



# **Department of Civil Aviation**

## **Standard Bidding Documents**

(Ref: G/SBD1/06-24)

### **Supply, Installation, Testing & Commissioning of Standalone Photovoltaic System Powering Split Type Air Conditioners and Associated Works for VSAT Stations at Agaléga & St Brandon**

**Procurement Reference No: CAV/QUO  
No. 5 of 2025 - 26**

Department of Civil Aviation  
Sir Seewoosagur Ramgoolam International Airport  
PLAINE MAGNIEN  
REPUBLIC OF MAURITIUS  
Tel: (230) 6032000  
Fax: (230) 6373164  
Email: [civil-aviation@govmu.org](mailto:civil-aviation@govmu.org)

# **SBD for Procurement of Goods**

## **Summary**

### **PART 1 – BIDDING PROCEDURES**

#### **Section I. Instructions to Bidders (ITB)**

This Section provides information to help Bidders prepare their bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of Contracts. Section I contains provisions that are to be used without modification.

#### **Section II. Bidding Data Sheet (BDS)**

This Section includes provisions that are specific to each procurement and that supplement Section I, Instructions to Bidders.

#### **Section III. Evaluation and Qualification Criteria**

This Section specifies the criteria to be used to determine the lowest evaluated bid, and the Bidder's qualification requirements to perform the contract.

#### **Section IV. Bidding Forms**

This Section includes the forms for the Bid Submission, Price Schedules, Bid Security, and the Manufacturer's Authorization to be submitted with the bid.

### **PART 2 – SUPPLY REQUIREMENTS**

#### **Section V. Schedule of Requirements**

This Section includes the List of Goods and Related Services, the Delivery and Completion Schedules, the Technical Specifications and the Drawings that describe the Goods and Related Services to be procured.

### **PART 3 – CONTRACT**

#### **Section VI. General Conditions of Contract (GCC)**

This Section includes the general clauses to be applied in all contracts. The text of the clauses in this Section shall not be modified.

**Section VII. Special Conditions of Contract (SCC)**

This Section includes clauses specific to each contract that modify or supplement Section VII, General Conditions of Contract.

**Section VIII: Contract Forms**

This Section includes the form for the Agreement which, once completed, incorporates corrections or modifications to the accepted bid that are permitted under the Instructions to Bidders, the General Conditions of Contract, and the Special Conditions of Contract.

When required, the forms for Performance Security and Advance Payment Security, shall be completed by the successful Bidder only after contract award.

**Attachment: Invitation for Bids**

An “Invitation for Bids” form is provided at the end of the Bidding Documents for information.

# Table of Contents

|                                                             |                                     |
|-------------------------------------------------------------|-------------------------------------|
| <b>PART 1 – Bidding Procedures</b> .....                    | <b>1</b>                            |
| Section I. Instructions to Bidders .....                    | 2                                   |
| Section II. Bidding Data Sheet (BDS) .....                  | 27                                  |
| Section III. Evaluation and Qualification Criteria .....    | 33                                  |
| Section IV. Bidding Forms .....                             | 36                                  |
| <b>PART 2 – Supply Requirements</b> .....                   | <b>51</b>                           |
| Section V. Schedule of Requirements .....                   | 52                                  |
| <b>PART 3 - Contract</b> .....                              | <b>100</b>                          |
| Section VI. General Conditions of Contract .....            | 101                                 |
| Section VII. Special Conditions of Contract.....            | 102                                 |
| Section VIII. Contract Forms.....                           | 104                                 |
| <b>1. Contract Agreement</b> .....                          | <b>105</b>                          |
| <b>2. Performance Security</b> .....                        | <b>107</b>                          |
| <b>3. Bank Guarantee for Advance Payment</b> .....          | <b>109</b>                          |
| Invitation for Bids (IFB) (for international bidding) ..... | <b>Error! Bookmark not defined.</b> |

## **PART 1 – Bidding Procedures**

# Section I. Instructions to Bidders

## Table of Contents

|                                                                                    |           |
|------------------------------------------------------------------------------------|-----------|
| <b>A. General.....</b>                                                             | <b>4</b>  |
| 1. Scope of Bid.....                                                               | 4         |
| 2. Source of Funds .....                                                           | 4         |
| 3. Public Entities Related to Bidding Documents and to Challenge and Appeal .....  | 4         |
| 4. Fraud and Corruption.....                                                       | 5         |
| 5. Eligible Bidders .....                                                          | 7         |
| 6. Eligible Goods and Related Services.....                                        | 9         |
| <b>B. Contents of Bidding Documents .....</b>                                      | <b>9</b>  |
| 7. Sections of Bidding Documents.....                                              | 9         |
| 8. Clarification of Bidding Documents .....                                        | 10        |
| 9. Amendment of Bidding Documents .....                                            | 10        |
| <b>C. Preparation of Bids .....</b>                                                | <b>10</b> |
| 10. Cost of Bidding .....                                                          | 10        |
| 11. Language of Bid.....                                                           | 10        |
| 12. Documents Comprising the Bid.....                                              | 11        |
| 13. Bid Submission Form and Price Schedules .....                                  | 11        |
| 14. Alternative Bids .....                                                         | 11        |
| 15. Bid Prices and Discounts .....                                                 | 11        |
| 16. Currencies of Bid .....                                                        | 13        |
| 17. Documents Establishing the Eligibility of the Bidder .....                     | 13        |
| 18. Documents Establishing the Eligibility of the Goods and Related Services ..... | 14        |
| 19. Documents Establishing the Conformity of the Goods and Related Services.....   | 14        |
| 20. Documents Establishing the Qualifications of the Bidder .....                  | 14        |
| 21. Period of Validity of Bids.....                                                | 15        |
| 22. Bid Security .....                                                             | 15        |
| 23. Format and Signing of Bid.....                                                 | 17        |
| <b>D. Submission and Opening of Bids.....</b>                                      | <b>17</b> |
| 24. Submission, Sealing and Marking of Bids.....                                   | 17        |
| 25. Deadline for Submission of Bids .....                                          | 18        |
| 26. Late Bids .....                                                                | 18        |
| 27. Withdrawal, Substitution, and Modification of Bids .....                       | 18        |
| 28. Bid Opening.....                                                               | 19        |
| <b>E. Evaluation and Comparison of Bids .....</b>                                  | <b>20</b> |
| 29. Confidentiality .....                                                          | 20        |

|                                   |                                                                          |           |
|-----------------------------------|--------------------------------------------------------------------------|-----------|
| 30.                               | Clarification of Bids.....                                               | 20        |
| 31.                               | Responsiveness of Bids.....                                              | 20        |
| 32.                               | Nonconformities, Errors, and Omissions.....                              | 21        |
| 33.                               | Preliminary Examination of Bids.....                                     | 22        |
| 34.                               | Examination of Terms and Conditions; Technical Evaluation .....          | 22        |
| 35.                               | Conversion to Single Currency .....                                      | 22        |
| 36.                               | Margin of Preference .....                                               | 22        |
| 37.                               | Evaluation of Bids.....                                                  | 22        |
| 38.                               | Comparison of Bids .....                                                 | 24        |
| 39.                               | Post-qualification of the Bidder .....                                   | 24        |
| 40.                               | Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids ..... | 24        |
| <b>F. Award of Contract .....</b> |                                                                          | <b>24</b> |
| 41.                               | Award Criteria .....                                                     | 24        |
| 42.                               | Purchaser's Right to Vary Quantities at Time of Award.....               | 24        |
| 43.                               | Notification of Award .....                                              | 25        |
| 44.                               | Signing of Contract .....                                                | 25        |
| 45.                               | Performance Security.....                                                | 25        |
| 46.                               | Debriefing .....                                                         | 26        |

## Section I. Instructions to Bidders

### A. General

- |                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Scope of Bid                                                             | <p>1.1 The Purchaser <b>indicated in the Bidding Data Sheet (BDS)</b>, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this procurement through Open Advertised Bidding (open for local and overseas suppliers) are <b>specified in the BDS</b>. The name, identification, and number of lots are <b>provided in the BDS</b>.</p> <p>1.2 Throughout these Bidding Documents:</p> <ul style="list-style-type: none"> <li>(a) the term “in writing” means communicated in written form (e.g. by mail, e-mail, fax,) with proof of receipt;</li> <li>(b) if the context so requires, “singular” means “plural” and vice versa; and</li> <li>(c) “day” means calendar day.</li> </ul>                                                                                                                                                                                         |
| 2. Source of Funds                                                          | <p>2.1 Unless otherwise stated in the <b>BDS</b>, this procurement shall be financed by the Public Body’s own budgetary allocation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3. Public Entities Related to Bidding Documents and to Challenge and Appeal | <p>3.1 The public entities related to these bidding documents are the Public Body, acting as procurement entity (Purchaser), the Procurement Policy Office, in charge of issuing standard bidding documents and responsible for any amendment these may require, the Central Procurement Board in charge of vetting Bidding document, receiving and evaluation of bids in respect of major contracts and the Independent Review Panel, set up under the Public Procurement Act 2006 (hereinafter referred to as the Act.)</p> <p>3.2 Sections 43, 44 and 45 of the Act provide for challenge and review mechanism. Unsatisfied bidders shall follow procedures prescribed in Regulations 48, 49 and 50 of the Public Procurement Regulations 2008 to challenge procurement proceedings and award of procurement contracts or to file application for review at the Independent Review Panel.</p> <p>3.3 Challenges and Applications for Review shall be forwarded to the addresses indicated <b>in the BDS</b>;</p> |

#### 4. Fraud and Corruption

4.1 It is the policy of the Government of the Republic of Mauritius to require Public Bodies, as well as bidders, suppliers, and contractors and their agents (whether declared or not), personnel, subcontractors, sub-consultants, service providers and suppliers, observe the highest standard of ethics during the procurement and execution of contracts. <sup>1</sup> In pursuance of this policy, the Government of the Republic of Mauritius:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- (i) “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party<sup>2</sup>;
- (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;<sup>3</sup>
- (iii) “collusive practice” is an arrangement between two or more parties<sup>4</sup> designed to achieve an improper purpose, including to influence improperly the actions of another party;
- (iv) “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party<sup>5</sup> or the property of the party to influence improperly the actions of a party;
- (v) “obstructive practice” is
  - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede the Purchaser’s investigation into allegations of a

<sup>1</sup> In this context, any action taken by a bidder, supplier, contractor, or any of its personnel, agents, sub-consultants, sub-contractors, service providers, suppliers and/or their employees to influence the procurement process or contract execution for undue advantage is improper.

<sup>2</sup> “Another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes Purchaser’s staff and employees of other organizations taking or reviewing procurement decisions.

<sup>3</sup> “Party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

<sup>4</sup> “Parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, noncompetitive levels.

<sup>5</sup> “Party” refers to a participant in the procurement process or contract execution.

corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or

- (bb) acts intended to materially impede the exercise of the Purchaser's inspection and audit rights provided for under sub-clause 4.2 below.
  - (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question; and
  - (c) will sanction a firm or an individual, at any time, in accordance with prevailing legislations, including by publicly declaring such firm or individual ineligible, for a stated period of time: (i) to be awarded a public contract; and (ii) to be a nominated<sup>b</sup> sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a public contract.
- 4.2 In further pursuance of this policy, Bidders shall permit the Purchaser to inspect any accounts and records and other documents relating to the Bid submission and contract performance, and to have them audited by auditors appointed by the Purchaser.
- 4.3 Furthermore, bidders shall be aware of the provision in Clauses 3.1 and 35.1 (a) of the General Conditions of Contract.
- 4.4 Bidders, suppliers and public officials shall also be aware of the provisions stated in sections 51 and 52 of the Public Procurement Act which can be consulted on the website of the Procurement Policy Office (PPO) : [ppo.govmu.org](http://ppo.govmu.org)
- 4.5 The Purchaser commits itself to take all measures necessary to prevent fraud and corruption and ensures that none of its staff, personally or through his/her close relatives or through a third party, will in connection with the bid for, or the execution of a

---

<sup>b</sup> A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which either has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that are accounted for in the evaluation of the bidder's pre-qualification application or the bid; or (ii) appointed by the Purchaser.

contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to. If the Purchaser obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of Mauritius or if there be a substantive suspicion in this regard, he will inform the relevant authority(ies) and in addition can initiate disciplinary actions. Furthermore, such bid shall be rejected.

**5. Eligible Bidders**

- 5.1 (a) Subject to ITB 5.4, A Bidder, and all parties constituting the Bidder, may have the nationality of any country. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including Related Services.
- (b) A Bidder may be a natural person, private entity, government-owned entity (subject to ITB 5.5) or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV:
- (i) all parties to the JV shall be jointly and severally liable; and
  - (ii) a JV shall nominate a Representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.
- 5.2 A Bidder shall not have conflict of interest. All bidders found to have conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:
- (a) have controlling shareholders in common; or
  - (b) receive or have received any direct or indirect subsidy from any of them; or
  - (c) have the same legal representative for purposes of this Bid; or
  - (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have

access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or

- (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or
- (f) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid.

- 5.3 (a) A Bidder that is under a declaration of ineligibility by the Government of Mauritius in accordance with applicable laws at the date of the deadline for bid submission or thereafter, shall be disqualified.

(b) Bids from suppliers appearing on the ineligibility lists of African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank Group and World Bank Group shall be rejected.

Links for checking the ineligibility lists are available on the PPO's website: *ppo.govmu.org*

- 5.4 A firm shall be excluded if by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, Mauritius prohibits any import of goods or contracting of Works or services from a country where it is based or any payment to persons or entities in that country.

- 5.5 Government-owned enterprises in the Republic of Mauritius shall be eligible only if they can establish that they:

- (i) are legally and financially autonomous;
- (ii) operate under commercial law, and
- (iii) are not a dependent agency of the Purchaser.

- 5.6 Bidders shall provide such evidence of their continued

eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

**6. Eligible Goods and Related Services**

- 6.1 All the Goods and Related Services to be supplied under the Contract may have their origin in any country subject to ITB 5.3 and 5.4.
- 6.2 For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, industrial plants and “related services” which include services such as insurance, installation, training, and initial maintenance.
- 6.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

## **B. Contents of Bidding Documents**

**7. Sections of Bidding Documents**

- 7.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITB Clause 9.

### **PART 1 Bidding Procedures**

- Section I. Instructions to Bidders (ITB)
- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms

### **PART 2 Supply Requirements**

- Section V. Schedule of Requirements

### **PART 3 Contract**

- Section VI. General Conditions of Contract (GCC)
- Section VII. Special Conditions of Contract (SCC)
- Section VIII. Contract Forms

- 7.2 The Invitation for Bids issued by the Purchaser is not part of the

### Bidding Documents.

- 7.3 The Purchaser is not responsible for the completeness of the Bidding Documents and their addendum, if they were not obtained directly from the Purchaser.
- 7.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

### 8. Clarification of Bidding Documents

- 8.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received 14 days prior to the deadline set for submission of bids. The Purchaser shall respond to such request at latest 7 days prior to the deadline for submission of bids and forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 9 and ITB Sub-Clause 25.2.

### 9. Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.
- 9.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents directly from the Purchaser.
- 9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 25.2

## C. Preparation of Bids

### 10. Cost of Bidding

- 10.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

### 11. Language of Bid

- 11.1 The Bid, as well as all correspondences and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English. Supporting documents and printed literature that are part of the Bid may be in another language provided they

are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, such translation shall govern.

- 11.2 Notwithstanding the above, documents in French submitted with the bid may be accepted without translation.

**12. Documents  
Comprising  
the Bid**

- 12.1 The Bid shall comprise the following:

- (a) the Bid Submission Form and the applicable Price Schedules, in accordance with ITB Clauses 13, 15, and 16;
- (b) the Bid Security or Bid-Securing Declaration, in accordance with ITB Clause 22, if required;
- (c) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause 23.2; **as specified in the BDS.**
- (d) documentary evidence in accordance with ITB Clause 17 establishing the Bidder's eligibility to bid;
- (e) documentary evidence in accordance with ITB Clause 18, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (f) documentary evidence in accordance with ITB Clauses 19 and 31, that the Goods and Related Services conform to the Bidding Documents;
- (g) documentary evidence in accordance with ITB Clause 20 establishing the Bidder's qualifications to perform the contract if its bid is accepted, and
- (h) any other document **required in the BDS.**

**13. Bid  
Submission  
Form and  
Price  
Schedules**

- 13.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alteration to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

- 13.2 The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms

**14. Alternative  
Bids**

- 14.1 Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

**15. Bid Prices**

- 15.1 The prices and discounts quoted by the Bidder in the Bid

**and  
Discounts**

Submission Form and in the Price Schedules, shall conform to the requirements specified below.

- 15.2 All lots and items must be listed and priced separately in the Price Schedules.
- 15.3 The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discount offered.
- 15.4 The Bidder shall quote any unconditional discount and indicate the method for their application in the Bid Submission Form.
- 15.5 The terms EXW, CIP, CIF and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, as specified in the **BDS**.
- 15.6 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered. In quoting prices, the Bidder shall be free to use transportation through the carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible country. Prices shall be entered in the following manner:
  - (a) For Goods offered from within Mauritius :
    - (i) the price of the goods quoted EXW (ex-works, ex-factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties already paid or payable on the components and raw material used in the manufacture or assembly of goods quoted ex works or ex-factory, or on the previously imported goods of foreign origin quoted ex-warehouse, ex-showroom, or off-the-shelf;
    - (ii) VAT payable on the Goods if the Contract is awarded to the Bidder; and
    - (iii) the total price for the item.
  - (b) For Goods offered from outside Mauritius :
    - (i) the price of the goods quoted CIF (named port of destination), or CIP (named place of destination), in the Mauritius, as specified in the **BDS**;
    - (ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the **BDS**;
    - (iii) the total price for the item.
  - (c) For Related Services whenever such Related Services are

specified in the Schedule of Requirements:

- (i) the local currency cost component of each item comprising the Related Services; and
- (ii) the foreign currency cost component of each item comprising the Related Services,

inclusive of custom duties and VAT, payable on the Related Services, if the Contract is awarded to the Bidder.

15.7 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account in respect of changes in production cost, unless otherwise specified in the **BDS**. A Bid submitted with an adjustable price quotation in this respect shall be treated as non-responsive and shall be rejected, pursuant to ITB Clause 31. However, if in accordance with the **BDS**, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

15.8 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the **BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction in accordance with ITB Sub-Clause 15.4 provided the bids for all lots are submitted and opened at the same time.

## 16. Currencies of Bid

16.1 The Bidder shall quote in Mauritian Rupees the portion of the bid price that corresponds to expenditures incurred in Mauritian Rupees, unless otherwise specified in the **BDS**.

16.2 The Bidder may express the bid price in the currency of any eligible country. If the Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but shall use no more than three currencies in addition to Mauritian Rupees.

16.3 Local Bidders shall quote only in Mauritian Rupees **as specified in the BDS**.

## 17. Documents Establishing the Eligibility of

17.1 To establish their eligibility in accordance with ITB Clause 5, Bidders shall complete the Bid Submission Form, included in Section IV: Bidding Forms.

**the Bidder**

- |                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>18. Documents Establishing the Eligibility of the Goods and Related Services</b></p> | <p>18.1 To establish the eligibility of the Goods and Related Services in accordance with ITB Clause 6, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p><b>19. Documents Establishing the Conformity of the Goods and Related Services</b></p>  | <p>19.1 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements.</p> <p>19.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.</p> <p>19.3 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period <b>specified in the BDS</b> following commencement of the use of the goods by the Purchaser.</p> <p>19.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.</p> |
| <p><b>20. Documents Establishing the Qualifications of the Bidder</b></p>                  | <p>20.1 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction that:</p> <p style="margin-left: 40px;">(a) if <b>required in the BDS</b>, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Section IV, Bidding Forms, to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Mauritius;

- (b) if **required in the BDS**, in case of a Bidder not doing business within Mauritius, the Bidder is or will be (if awarded the contract) represented by an Agent in Mauritius equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.

**21. Period of  
Validity of  
Bids**

- 21.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 21.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 22, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB Sub-Clause 21.3.
- 21.3 In the case of fixed price contracts, if the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be adjusted as specified in the request for extension. Bid evaluation shall be based on the Bid Price without taking into consideration the above correction.

**22. Bid Security**

- 22.1 The Bidder shall either furnish as part of its bid, a Bid Security or subscribe to a Bid Securing Declaration in the Bid Submission Form **as specified in the BDS**.
- 22.2 The Bid Securing Declaration shall be in the form of a signed subscription in the Bid Submission Form.
- 22.3 The Bid Security shall be in the amount **specified in the BDS** and denominated in Mauritian Rupees or a freely convertible

currency, and shall:

- (a) be in the form of a bank guarantee from a reputable overseas bank, or
- (b) be issued by a commercial bank or insurance company operating in Mauritius.
- (c) be substantially in accordance with the forms of Bid Security included in Section IV, Bidding Forms, or other form approved by the Purchaser prior to bid submission;
- (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 22.6 are invoked;
- (e) be submitted in its original form; copies will not be accepted;
- (f) remain valid for a period of 30 days beyond the validity period of the bids, as extended, if applicable, in accordance with ITB Clause 21.2;

22.4 Any bid not accompanied by an enforceable and substantially compliant Bid Security or not containing a subscription to a Bid Securing Declaration in the Bid Submission Form, if required, in accordance with ITB 22.1, shall be rejected by the Purchaser as nonresponsive.

22.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 45.

22.6 The Bid Security shall be forfeited or the Bid Securing Declaration executed:

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 21.2; or
- (b) if a Bidder refuses to accept a correction of an error appearing on the face of the Bid; or
- (c) if the successful Bidder fails to: sign the Contract in accordance with ITB 44; or furnish a performance security in accordance with ITB 45;

22.7 The Bid Security or Bid- Securing Declaration of a Joint Venture (JV) must be in the name of the JV that submits the bid. If the JV

has not been legally constituted at the time of bidding, the Bid Security or Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent mentioned in Section IV “Bidding Forms,” Bidder Information Form Item 7.

22.8 If a bid security is **not required in the BDS**, and

- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letter of Bid Form, except as provided in ITB 21.2;
- (b) if a Bidder refuses to accept a correction of an error appearing on the face of the Bid; or
- (c) if the successful Bidder fails to: sign the Contract in accordance with ITB 43; or furnish a performance security in accordance with ITB 44.

the bidder may be disqualified by the Government of Mauritius to be awarded a contract by any Public Body for a period of time.

**23. Format and Signing of Bid**

- 23.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 12 and clearly mark it “ORIGINAL.” In addition, the Bidder shall submit copies of the bid, in the number specified in the **BDS** and clearly mark them “COPY.” In the event of any discrepancy between the original and the copies, the original shall prevail.
- 23.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.
- 23.3 Any interlineation, erasure, or overwriting shall be valid only if it is signed or initialed by the person signing the Bid.

**D. Submission and Opening of Bids**

**24. Submission, Sealing and Marking of Bids**

- 24.1 Bidders may always submit their bids by mail or by hand. When so specified in the **BDS**, bidders shall have the option of submitting their bids electronically.
- (a) Bidders submitting bids by mail or by hand, shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB Clause 14, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB sub-Clauses 24.2 and 24.3.

- (b) Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the **BDS**.

24.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 25.1;
- (c) bear the specific identification of this bidding process indicated in ITB 1.1 and any additional identification marks as **specified in the BDS**, and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 28.1.

24.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

**25. Deadline for Submission of Bids**

- 25.1 Bids must be received by the Purchaser at the address and not later than the date and time **specified in the BDS**.
- 25.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 9, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

**26. Late Bids**

- 26.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 25. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

**27. Withdrawal, Substitution, and Modification of Bids**

- 27.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 24, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB Sub-Clause 23.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
  - (a) submitted in accordance with ITB Clauses 23 and 24 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” “SUBSTITUTION,” or

“MODIFICATION;” and

- (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 25.

27.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 27.1 shall be returned unopened to the Bidders.

27.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

**28. Bid Opening** 28.1 The Purchaser shall conduct the bid opening in the presence of the Bidders’ representatives who choose to attend at the address, date and time **specified in the BDS**. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB Sub-Clause 24.1 shall be as **specified in the BDS**.

28.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “SUBSTITUTION” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.

28.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder; the Bid Price(s), including any discounts and alternative bids and indicating whether there is a modification; the presence of a bid security or the subscription with respect to the Bid Securing Declaration in the Bid Submission Form, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at bid opening shall be considered for evaluation. No bid shall be rejected at bid opening except for late

bids, in accordance with ITB 26.1.

- 28.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts, and alternative offers if they were permitted; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a bidder's signature on the record shall not invalidate the contents and the effect of the record. A copy of the record shall be distributed, upon request, to all Bidders who submitted bids in time; and posted on line when electronic bidding is permitted.

### **E. Evaluation and Comparison of Bids**

- |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>29. Confidentiality</b>        | <p>29.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.</p> <p>29.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.</p> <p>29.3 Notwithstanding ITB Sub-Clause 29.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.</p> |
| <b>30. Clarification of Bids</b>  | <p>30.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 32.</p>                                                                               |
| <b>31. Responsiveness of Bids</b> | <p>31.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.</p> <p>31.2 A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

- (a) affects in a substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) limits in a substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (c) if rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

31.3 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

**32. Nonconformities, Errors, and Omissions**

32.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

32.2 Provided that a bid is substantially responsive, the Purchaser may request the Bidder to submit the necessary information or documentation, within a reasonable period of time, or to rectify nonmaterial nonconformities or omissions in the bid relating to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

32.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the

amount in figures shall prevail subject to (a) and (b) above.

- |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>33. Preliminary Examination of Bids</b>                           | <p>33.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 12 have been provided, and to determine the completeness of each document submitted.</p> <p>33.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.</p> <ul style="list-style-type: none"> <li>(a) Bid Submission Form, in accordance with ITB Sub-Clause 13.1;</li> <li>(b) Price Schedules, in accordance with ITB Sub-Clause 13.2;</li> <li>(c) Bid Security or Bid Securing Declaration, in accordance with ITB Clause 22, if applicable.</li> </ul>           |
| <b>34. Examination of Terms and Conditions; Technical Evaluation</b> | <p>34.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the GCC and the SCC have been accepted by the Bidder without any material deviation or reservation.</p> <p>34.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 19, to confirm that all requirements specified in Section V, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.</p> <p>34.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 31, it shall reject the Bid.</p> |
| <b>35. Conversion to Single Currency</b>                             | <p>35.1 For evaluation and comparison purposes, the Purchaser shall convert all bid prices expressed in amounts in various currencies into an amount in a single currency <b>specified in the BDS</b>, using the selling exchange rates established by <b>Central Bank of Mauritius</b> and on the date <b>specified in the BDS</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>36. Margin of Preference</b>                                      | <p>36.1 Margin of preference shall not be a factor in bid evaluation, unless otherwise <b>specified in the BDS</b>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>37. Evaluation of Bids</b>                                        | <p>37.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.</p> <p>37.2 To evaluate a Bid, the Purchaser shall use only the factors, methodologies and criteria defined in ITB Clause 37. No other</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

criteria or methodology shall be permitted.

37.3 To evaluate a Bid, the Purchaser shall consider the following:

- (a) evaluation to be done for Items or Lots, as **specified in the BDS**; and the Bid Price as quoted in accordance with clause 15;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 32.3;
- (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 15.4;
- (d) adjustments due to the application of the evaluation criteria **specified in the BDS** from amongst those set out in Section III, Evaluation and Qualification Criteria;
- (e) adjustments due to the application of a margin of preference, in accordance with ITB Clause 36 if applicable.

37.4 (a) The Purchaser's evaluation of a bid will take into account:

- (i) in the case of Goods offered from within Mauritius, all taxes but excluding VAT payable on the Goods if the Contract is awarded to the Bidder;
- (ii) in the case of Goods offered from outside Mauritius, customs duties applicable in and payable on the Goods if the Contract is awarded to the Bidder; and
- (iii) transport and other costs for the goods to reach its final destination.

(b) The Purchaser's evaluation of a bid will **not** take into account any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid.

37.5 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 15. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 37.3 (d).

37.6 If so **specified in the BDS**, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more

than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations, is specified in Section III, Evaluation and Qualification Criteria.

- |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>38. Comparison of Bids</b>                                                 | 38.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 37.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>39. Post-qualification of the Bidder</b>                                   | <p>39.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.</p> <p>39.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 20.</p> <p>39.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.</p> <p>39.4 Notwithstanding anything stated above, the Purchaser reserves the right to assess the Bidder's capabilities and capacity to execute the Contract satisfactorily before deciding on award.</p> |
| <b>40. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids</b> | 40.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## F. Award of Contract

- |                                                            |                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>41. Award Criteria</b>                                  | 41.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.                                                                                                 |
| <b>42. Purchaser's Right to Vary Quantities at Time of</b> | 42.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed the percentages <b>specified in the BDS</b> , and without any change in the unit prices or other terms and conditions of the bid and the Bidding |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Award</b>                     | Documents.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>43. Notification of Award</b> | <p>43.1 Prior to the expiration of the period of bid validity, the Purchaser shall, for contract amount above the prescribed threshold, notify the selected bidder of the proposed award and accordingly notify unsuccessful bidders. Subject to Challenge and Appeal the Purchaser shall notify the selected Bidder, in writing, by a Letter of Acceptance for award of contract. The Letter of Acceptance shall specify the sum that the Purchaser will pay the Supplier in consideration of the execution and completion of the Contract (hereinafter and in the Conditions of Contract and Contract Forms called “the Contract Price”). Within seven days from the issue of Letter of Acceptance, the Purchaser shall publish on the Public Procurement Portal (<a href="http://publicprocurement.govmu.org">publicprocurement.govmu.org</a>) and the Purchaser’s website, the results of the Bidding Process identifying the bid and lot numbers and the following information:</p> <ul style="list-style-type: none"> <li>(i) name of the successful Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded; and</li> <li>(ii) an executive summary of the Bid Evaluation Report</li> </ul> <p>43.2 Until a formal Contract is prepared and executed, the letter of Acceptance shall constitute a binding Contract.</p> |
| <b>44. Signing of Contract</b>   | <p>44.1 Promptly after issue of letter of acceptance, the Purchaser shall send the successful Bidder the Agreement and the Special Conditions of Contract.</p> <p>44.2 Within twenty-eight (28) days of receipt of the Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.</p> <p>44.3 Notwithstanding ITB 44.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to Mauritius, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided, however, that the Bidder can demonstrate to the satisfaction of the Purchaser that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.</p>                                                                                                                                                                                                                |
| <b>45. Performanc</b>            | <p>45.1 Within twenty eight (28) days of the receipt of letter of</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**e Security**

Acceptance from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section VIII Contract forms, or another Form acceptable to the Purchaser. The Purchaser shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 22.4.

- 45.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall lead to the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

**46. Debriefing**

- 46.1 The Purchaser shall promptly attend to all debriefing for the contract made in writing and within 30 days from the date of the publication of the award or date the unsuccessful bidders are informed about the award, whichever is the case by following regulation 9 of the Public Procurement Regulations 2008 as amended.

## Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

| ITB Clause Reference | A. General                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ITB 1.1              | The Purchaser is: <b>Department of Civil Aviation (DCA)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |
| ITB 1.1              | <p>The name and identification number of the Procurement:</p> <p><b>Supply, Installation, Testing &amp; Commissioning of Standalone Photovoltaic System Powering Split Type Air Conditioners and Associated Works for VSAT Stations at Agalega &amp; St Brandon</b></p> <p>The identification number of the procurement is: <b>CAV/QUO No. 5 of 2025 - 26</b></p> <p>The Invitation for Bids has been issued through an Open International bidding procedure.</p> |
| ITB 1.1              | The name of the Project is: Supply, Installation, Testing & Commissioning of Standalone Photovoltaic System Powering Split Type Air Conditioners and Associated Works for VSAT Stations at Agalega & St Brandon                                                                                                                                                                                                                                                   |
| ITB 2.1              | The Funding Agency is: Government of Mauritius                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ITB 3.3</b> | <p>(a) The address to file challenge in respect of this procurement is:</p> <p><b>Director of Civil Aviation</b><br/> <b>Department of Civil Aviation</b><br/> <b>Sir Seewosagur Ramgoolam International Airport</b><br/> <b>Plaine Magnien</b><br/> <b>Republic of Mauritius</b><br/> <b>Tel: +230 6032000</b><br/> <b>Fax: +230 6373164</b></p> <p>(b) The address to file application for review is:</p> <p><b>The Chairperson</b><br/> <b>Independent Review Panel,</b><br/> <b>5<sup>th</sup> Floor</b><br/> <b>Belmont House</b><br/> <b>Intendance Street</b><br/> <b>Port Louis</b><br/> <b>Tel : +2302602228</b><br/> <b>Fax No.</b><br/> <b>Email : <a href="mailto:irp@govmu.org">irp@govmu.org</a></b></p> |
| <b>ITB 5.3</b> | <p>A list of firms debarred from participating in Public Procurement in Mauritius is available at <a href="http://ppo.govmu.org">ppo.govmu.org</a></p> <p>A list of firms debarred by World Bank is available at <a href="http://www.worldbank.org/debarr">http://www.worldbank.org/debarr</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                | <b>B. Contents of Bidding Documents</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ITB 8.1</b> | <p>For <b><u>Clarification of bid purposes</u></b> only, the Purchaser's address is:</p> <p>Attention: <b>Director of Civil Aviation</b><br/> <b>Department of Civil Aviation</b><br/> <b>Sir Seewosagur Ramgoolam International Airport</b><br/> <b>Plaine Magnien</b><br/> <b>Country: Mauritius</b><br/> <b>Telephone: +230 6032000</b><br/> <b>Facsimile number: +230 6373164</b><br/> <b>Electronic mail address: <a href="mailto:civil-aviation@govmu.org">civil-aviation@govmu.org</a></b></p>                                                                                                                                                                                                                  |
| <b>ITB 8.1</b> | <p>Request for Clarification should reach the Department of Civil Aviation not later than 14 days, prior to the closing date for submission of bids.</p> <p>The purchaser will reply to request at least 7 days prior to the closing date for submission of bids</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                | <b>C. Preparation of Bids</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ITB 12.1 (c)</b>            | <p>(a) No written evidence is required.</p> <p>(b) In the case of Bids submitted by an existing or intended JV an undertaking signed by all parties (i) stating that all parties shall be jointly and severally liable, if so required in accordance with ITB 5.1, and (ii) nominating a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.”</p> <p><i>Note: The power of Attorney or other written authorization to sign may be for a determined period or limited to a specific purpose.</i></p> |
| <b>ITB 12.1 (h)</b>            | The Bidder shall submit the following additional documents in its bid: <i>as specified in Section V: Schedule of Requirements</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ITB 14.1</b>                | Alternative Bids <b><i>shall not be considered.</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ITB 15.5</b>                | The Incoterms edition is: Incoterms 2010.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ITB 15.6 (b) (i) , (ii)</b> | For Goods offered from outside Mauritius, the Bidder shall quote prices using the following Incoterms: Delivery Duty Paid (DDP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ITB 15.7</b>                | The prices quoted by the Bidder <b><i>shall not be adjustable.</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ITB 15.8</b>                | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ITB 16.1</b>                | The Bidder is required to quote in Mauritian Rupees the portion of the bid price that corresponds to expenditures incurred in that currency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ITB 16.3</b>                | Local bidders shall quote only in Mauritian Rupees on the basis of prices not adjustable to rate of exchange                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ITB 19.3</b>                | Period of time the Goods are expected to be functioning: as detailed in Section V: Schedule of Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ITB 20.1 (a)</b>            | <p>Manufacturer’s Authorization is required for the proposed:</p> <ul style="list-style-type: none"> <li>i. Air conditioner and</li> <li>ii. Different components of the Solar Power System.</li> </ul> <p>The Manufacturer’s Authorization can be attached along with the bid or shall be submitted upon request from the client after award of contract</p>                                                                                                                                                                                                                                                                                                                      |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ITB 20.1 (b)</b> | After sales service is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ITB 21.1</b>     | The bid validity period shall be <b>120 days</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ITB 22.1</b>     | The Bidder shall subscribe to a Bid Securing Declaration by signing the Bid Submission Form containing the provision with regard thereto.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ITB 22.3</b>     | The amount of the Bid Security : Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ITB 22.8</b>     | If the Bidder incurs any of the actions prescribed in subparagraphs (a) to (c) of this provision, the Bidder may be declared ineligible to be awarded contracts by the Government of Mauritius for a period of time (not exceeding 5 years) to be determined by the Procurement Policy Office.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ITB 23.1</b>     | In addition to the original of the bid, the number of copies is: <b>two copies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                     | <b>D. Submission and Opening of Bids</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ITB 24.1</b>     | Bidders <b>shall not</b> have the option of submitting their bids electronically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ITB 24.1 (b)</b> | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ITB 24.2 (c)</b> | <p>The inner and outer envelopes shall bear the following additional identification marks:</p> <p><b>CAV/QUO No. 5 of 2025 - 26</b></p> <p>Supply, Installation, Testing &amp; Commissioning of Standalone Photovoltaic System Powering Split Type Air Conditioners and Associated Works for VSAT Stations at Agalega &amp; St Brandon.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ITB 25.1</b>     | <p>For bid submission purposes, the Purchaser's address is:</p> <p><b>Director of Civil Aviation</b><br/> <b>Attn: The Chairperson Departmental Bid Committee</b><br/> <b>Department of Civil Aviation</b><br/> <b>Sir Seewoosagur Ramgoolam International Airport</b><br/> <b>Plaine Magnien</b></p> <p>Bids should be deposited in the Bid Box located at the <b>Permit Office, Department of Civil Aviation, Sir Seewoosagur Ramgoolam International Airport, Plaine Magnien, Republic of Mauritius not later than 20 November 2025 up to 11.00 hrs (local time) at latest</b>. Bids by post or hand delivered should reach the <b>Department of Civil Aviation, Sir Seewoosagur Ramgoolam International Airport, Plaine Magnien, Republic of Mauritius</b> by the same date and time at latest. Late submissions will be rejected</p> |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ITB 28.1</b>    | <p>The bid opening shall take place at:<br/>         Bid Box will be opened at: <b>11.05 hrs on 20 November 2025</b> at the following address:<br/>         The Permit Office<br/>         Department of Civil Aviation<br/>         Sir Seewoosagur Ramgoolam International Airport<br/>         Plaine Magnien</p> <p>Bids received will be opened at <b>11.15 hrs on 20 November 2025</b> at the following address:<br/>         Department of Civil Aviation, Headquarters<br/>         Sir Seewoosagur Ramgoolam International Airport<br/>         Plaine Magnien<br/>         Republic of Mauritius</p>                                                 |
| <b>ITB 27.1</b>    | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                    | <b>E. Evaluation and Comparison of Bids</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ITB 35.1</b>    | Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ITB 36.1</b>    | A margin of preference shall be applicable to local Small and Medium Enterprises as indicated in Section III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ITB 37.3(a)</b> | <p>Evaluation will be done for Lots</p> <p>“Bids will be evaluated by lot. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. An item not listed in the Price Schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the average price of the item quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison”.</p>                                                                                            |
| <b>ITB 37.3(d)</b> | <p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <ul style="list-style-type: none"> <li>(a) deviation in Delivery schedule: No</li> <li>(b) deviation in payment schedule: No</li> <li>(c) the availability in Mauritius of spare parts and after-sales services for the equipment offered : Yes, after-sales services shall be provided as and when required by the purchaser as long as the proposed system is in operation and spare parts shall be available for the time period as detailed at Section V: Schedule of Requirements .</li> </ul> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ITB 37.6</b> | Bidders shall not be allowed to quote separate prices for one or more lots.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                 | <b>F. Award of Contract</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ITB 42.1</b> | The maximum percentage by which quantities may be increased or decreased is 10 %.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                 | <ol style="list-style-type: none"> <li>1. In line with Government Decision, the Department of Civil Aviation shall, prior to award request the lowest substantially responsive bidder to submit a “<b><i>Tax Clearance Certificate</i></b>” from the MRA within a period of one week, confirming that the bidder has filed his tax returns and paid tax due.</li> <li>2. In case the successful bidder does not submit the “<b><i>Tax Clearance Certificate</i></b>”, the Department of Civil Aviation may consider the next lowest substantially responsive bidder to equally comply with paragraph 1 above.</li> </ol> <p>It is brought to the attention of the bidders that MRA has put in place a system for responsive bidders, on receipt of a letter from a Public Body requesting for a Tax Clearance Certificate, to apply for same electronically on MRA website <a href="http://www.mra.mu">www.mra.mu</a>. The bidder is requested to use the reference of the letter issued by the Public Body to access the system.</p> |

---

## Section III. Evaluation and Qualification Criteria

*This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser may use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.*

***[The Purchaser shall select the criteria deemed appropriate for the procurement process, insert the appropriate wording using the samples referred to in this section or other acceptable wording, and delete the text in italics]***

### Contents

1. Evaluation Criteria (ITB 37.3 (d))
2. Multiple Contracts (ITB 37.6)
3. Postqualification Requirements (ITB 39.2)
4. Domestic Preference (ITB 36.1)

## 1. Evaluation Criteria (ITB 37.3 (d))

The Purchaser's evaluation of a bid may take into account, in addition to the Bid Price quoted in accordance with ITB Clause 15.6, one or more of the following factors as specified in ITB Sub-Clause 37.3(d) and in BDS referring to ITB 37.3(d), using the following criteria and methodologies.

a. Compliance with all technical specifications detailed out in Section V of the bid document is mandatory.

b. Projected operating and maintenance costs.

An adjustment to take into account the operating and maintenance costs of the Goods will be added to the bid price, for evaluation purposes only, if specified in BDS Sub-Clause 37.3(d). The adjustment will be evaluated in accordance with the methodology specified in the BDS Sub-Clause 37.3(d).

Maintenance cost start at year 1 after one year defects liability period in year 0.

c. Performance Required.

Bidders and/or their subcontractors (if applicable) shall demonstrate that they have at least two years' experience in the installation and/or maintenance of:

(i) air conditioning units; and

(ii) solar power system

Bidders are required to submit signed documentary evidence such as testimonial from customers, reference sites to demonstrate that they have the required experience.

## 2. Multiple Contracts (ITB 37.6)

The Purchaser shall award multiple contracts to the Bidder that offers the lowest evaluated combination of bids (one contract per bid) and meets the post-qualification criteria (Section III, Sub-Section ITB 39.2 Post-Qualification Requirements)

The Purchaser shall:

(a) evaluate only lots or contracts that include at least the percentages of items per lot and quantity per item as specified in ITB Sub Clause 15.8

(b) take into account:

(iii) the lowest-evaluated bid for each lot and

(i) the price reduction per lot and the methodology for its application as offered by the Bidder in its bid.

### 3. Post-qualification Requirements (ITB 39.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 39.1, the Purchaser shall carry out the post-qualification of the Bidder in accordance with ITB Clause 39, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

(a) Financial Capability

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s): *The bidder shall submit its average annual turnover of the last three consecutive years (2022, 2023 and 2024).*

(b) Experience and Technical Capacity

Bidders and/or their subcontractors (if applicable) shall demonstrate that they have at least two years' experience in the installation and/or maintenance of:

- (i) air conditioning units; and
- (ii) solar power system

Bidders are required to submit signed documentary evidence such as testimonial from customers, reference sites to demonstrate that they have the required experience.

(c) The Bidder shall furnish documentary evidence to demonstrate that the Goods it offers meet the following usage requirement: *as detailed in Section V Schedule of Requirements.*

### 4. Margin of Preference (ITB 36.1) - Not Applicable

## Section IV. Bidding Forms

### Table of Forms

|                                                                                                                    |            |
|--------------------------------------------------------------------------------------------------------------------|------------|
| <b>Bidder Information Form .....</b>                                                                               | <b>370</b> |
| <b>Joint Venture Partner Information Form .....</b>                                                                | <b>381</b> |
| <b>Bid Submission Form .....</b>                                                                                   | <b>392</b> |
| <b>Price Schedule : Goods Manufactured outside Mauritius to be imported</b> Error! Bookmark not defined. <b>7</b>  |            |
| <b>Price Schedule: Goods Manufactured outside Mauritius already imported</b> Error! Bookmark not defined. <b>8</b> |            |
| <b>Price Schedule : Goods Manufactured in Mauritius .....</b> Error! Bookmark not defined. <b>9</b>                |            |
| <b>Price and Completion Schedule - Related Services .....</b> Error! Bookmark not defined. <b>0</b>                |            |
| <b>Bid Security (Bank Guarantee) .....</b> Error! Bookmark not defined. <b>1</b>                                   |            |
| <b>Manufacturer's Authorization .....</b>                                                                          | <b>472</b> |
| <b>Cost Structure for Value Added Calculation per Product.....</b>                                                 | <b>483</b> |

## Bidder Information Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

Date: *[insert date (as day, month and year) of Bid Submission]*  
Procurement No.: *[insert reference number of bidding process]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2. In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6. Bidder's Authorized Representative<br><br>Name: <i>[insert Authorized Representative's name]</i><br>Address: <i>[insert Authorized Representative's Address]</i><br>Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i><br>Email Address: <i>[insert Authorized Representative's email address]</i>                                                                                                                                                                                                                                                                              |
| 7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i><br><br><input type="checkbox"/> Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 5.1 and 5.2.<br><br><input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB Sub-Clause 5.1.<br><br><input type="checkbox"/> In case of government owned entity from Mauritius, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 5.5. |

## Joint Venture Partner Information Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated below].*

Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement No.: *[insert reference number of bidding process]*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2. JV's Party legal name: <i>[insert JV's Party legal name]</i>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3. JV's Party Country of Registration: <i>[insert JV's Party country of registration]</i>                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. JV's Party Year of Registration: <i>[insert JV's Party year of registration]</i>                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5. JV's Party Legal Address in Country of Registration: <i>[insert JV's Party legal address in country of registration]</i>                                                                                                                                                                                                                                                                                                                                                           |
| 6. JV's Party Authorized Representative<br><br>Name: <i>[insert name of JV's Party authorized representative]</i><br><br>Address: <i>[insert address of JV's Party authorized representative]</i><br><br>Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i><br><br>Email Address: <i>[insert email address of JV's Party authorized representative]</i>                                                                             |
| 7. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i><br><br><input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.<br><br><input type="checkbox"/> In case of government owned entity from Mauritius, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 5.5. |

## Bid Submission Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

Date: *[insert date (as day, month and year) of Bid Submission]*  
Procurement Ref. No.: *[insert reference number of bidding process]*  
Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: \_\_\_\_\_ *[insert the number and issuing date of each Addendum]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services \_\_\_\_\_ *[insert a brief description of the Goods and Related Services]*;
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: \_\_\_\_\_ *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies]*;
- (d) The discounts offered and the methodology for their application are:

**Discounts.** If our bid is accepted, the following discounts shall apply. \_\_\_\_\_ *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

**Methodology of Application of the Discounts.** The discounts shall be applied using the following method: \_\_\_\_\_ *[Specify in detail the method that shall be used to apply the discounts]*;

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 21.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 25.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we undertake to obtain a Performance Security in accordance with ITB Clause 45 and GCC Clause 18 for the due performance of the Contract;
- (g) We, including any subcontractors or suppliers for any part of the contract, have nationality from eligible countries \_\_\_\_\_ *[insert the nationality of the Bidder, including that of all parties that comprise the Bidder, if the Bidder is a JV, and the nationality each subcontractor and supplier]*

- (h) We have no conflict of interest in accordance with ITB Sub-Clause 5.2;
- (i) Our firm, its affiliates or subsidiaries—including any subcontractor or supplier for any part of the contract—have not been declared ineligible by an international financing agency such as the World Bank, African Development Bank or any other international agency or under the Laws of Mauritius or official regulations in accordance with ITB Sub-Clause 5.3;
- (j) I/We declare that I/We **“qualify/do not qualify”** for Margin of Preference as per Table below, and has submitted documentary evidence in this respect.

| Description of Bidder                                                                                             | Applicable Margin of preference | Bidder to tick as appropriate |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| Small and medium Enterprise bearing the ‘Made in Moris’ certification for the locally manufactured goods proposed | 40%                             |                               |
| Small and medium Enterprise proposing locally manufactured goods                                                  | 30%                             |                               |
| Local companies proposing locally manufactured goods                                                              | 20%                             |                               |

- (k) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid is payable and the amount and currency of each such commission or gratuity]*

| Name of Recipient | Address | Reason | Amount |
|-------------------|---------|--------|--------|
| _____             | _____   | _____  | _____  |
| _____             | _____   | _____  | _____  |
| _____             | _____   | _____  | _____  |
| _____             | _____   | _____  | _____  |

(If none has been paid or is to be paid, indicate “none.”)

- (l) We hereby confirm that we have read and understood the content of the Bid Securing Declaration attached herewith and subscribe fully to the terms and conditions contained therein, if required. We understand that non-compliance to the conditions mentioned may lead to disqualification.
- (m) We have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption as per the principles described hereunder, during the bidding process and contract execution:
- We shall not, directly or through any other person or firm, offer, promise or give to any of the Purchaser’s employees involved in the bidding process or the execution of

the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

- ii. We shall not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
- iii. We shall not use falsified documents, erroneous data or deliberately not disclose requested facts to obtain a benefit in a procurement proceeding.

We understand that transgression of the above is a serious offence and appropriate actions will be taken against such bidders.

- (n) We understand that this bid, together with your written acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (o) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: \_\_\_\_\_ *[insert signature of person whose name and capacity are shown]*

In the capacity of \_\_\_\_\_ *[insert legal capacity of person signing the Bid Submission Form]*

Name: \_\_\_\_\_ *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: \_\_\_\_\_ *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

***Appendix to Bid Submission Form***

## Bid Securing Declaration

By subscribing to the undertaking in respect of paragraph (1) of the Bid Submission Form:

I/We\* accept that I/we\* may be disqualified from bidding for any contract with any Public Body for the period of time that may be determined by the Procurement Policy Office under section 35 of the Public Procurement Act, if I am/we are\* in breach of any obligation under the bid conditions, because I/we\*:

- (a) have modified or withdrawn my/our\* Bid after the deadline for submission of bids during the period of bid validity specified by the Bidder in the Bid Submission Form; or
- (b) have refused to accept a correction of an error appearing on the face of the Bid; or
- (c) having been notified of the acceptance of our Bid by the *(insert name of public body)* during the period of bid validity, (i) have failed or refused to execute the Contract, if required, or (ii) have failed or refused to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We\* understand this Bid Securing Declaration shall cease to be valid (a) in case I/we am/are the successful bidder, upon our receipt of copies of the contract signed by you and the Performance Security issued to you by me/us ; or (b) if I am/we are\* not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our\* Bid.

In case of a Joint Venture, all the partners of the Joint Venture shall be jointly and severally liable.

## Statement of Compliance

We hereby certify that our offer complies with the requirements and technical specifications laid down in the bidding document.

|           |  |            |  |
|-----------|--|------------|--|
| Name:     |  | Signature: |  |
| Position: |  | Date:      |  |
|           |  | Company    |  |

## Price Schedule Forms

**Procurement Reference Number: CAV/QUO No. 5 of 2025 - 26**

| Item No    | Brief Description of Works                                                                                                                                                                                                                              | Qty | Unit of Measure | Unit Price (Rs) | Total Price (Rs) |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|-----------------|------------------|
| <b>1.0</b> | <b>Station at Agalega Island</b>                                                                                                                                                                                                                        |     |                 |                 |                  |
| 1.1        | Design and Built, Supply, Installation, testing and commissioning of standalone Solar Photovoltaic System complete with Lithium Ion Battery Pack offering 24 hours running autonomy for operating the two air conditioners (only one AC unit at a time) | 1   | Lot             |                 |                  |
| 1.2        | Supply and Installation of 24,000 BTU split type Air Conditioners (Qty-2) in the VSAT station to work alternately every twelve hours.<br>Undertake all civil, builders, electrical & allied works on site                                               | 1   | Lot             |                 |                  |
| 1.3        | Supply of materials and undertake all necessary civil works for closure of the four existing air vents (each for size: dimensions 60cmx60cm and depth of 20 cm) of the VSAT station.                                                                    | 1   | Lot             |                 |                  |
| 1.4        | Undertake all necessary civil works to create two openings, each of dimension 50cmx30cm, in the existing concrete wall separating the technical room and battery room of the VSAT station                                                               | 1   | Lot             |                 |                  |
| 1.5        | Testing and Commissioning of PV system and AC units                                                                                                                                                                                                     | 1   | Lot             |                 |                  |
| 1.6        | Provision of As-made drawings, Schematic Diagram, Test certificate, Warranty Certificates and all other relevant Technical Documents in hard & soft copy.                                                                                               | 4   | No.             |                 |                  |
| 1.7        | Provision for transportation of contractor's equipment, personnel, tools and materials, 2 DCA staff from/to Mauritius to/from Agalega including accommodation, foods and inland transport.                                                              | 1   | Lot             |                 |                  |
| <b>2.0</b> | <b>Station at St Brandon Island</b>                                                                                                                                                                                                                     |     |                 |                 |                  |
| 2.1        | Design and Built, Supply, Installation, testing and commissioning of standalone Solar Photovoltaic System complete with Lithium Ion Battery Pack offering 24 hours running autonomy for operating the two air conditioners (only one AC unit at a time) | 1   | Lot             |                 |                  |
| 2.2        | Supply and Installation of 24,000 BTU split type Air Conditioners (Qty-2) in the VSAT station to work alternately every twelve hours.<br>Undertake all civil, builders, electrical & allied works on site                                               | 1   | Lot             |                 |                  |

| Item No    | Brief Description of Works                                                                                                                                                                | Qty          | Unit of Measure | Unit Price (Rs) | Total Price (Rs) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-----------------|------------------|
| 2.3        | Supply of materials and undertake all necessary civil works for closure of the four existing air vents (each for size: dimensions 60cmx60cm and depth of 20 cm) of the VSAT station       | 1            | Lot             |                 |                  |
| 2.4        | Undertake all necessary civil works to create two openings, each of dimension 50cmx30cm, in the existing concrete wall separating the technical room and battery room of the VSAT station | 1            | Lot             |                 |                  |
| 2.5        | Testing and Commissioning of PV system and AC units                                                                                                                                       | 1            | Lot             |                 |                  |
| 2.6        | Provision of As-made drawings, Schematic Diagram, Test certificate, Warranty Certificates and all other relevant Technical Documents in hard & soft copy.                                 | 4            | No.             |                 |                  |
| 2.7        | Provision for transportation of contractor's personnel, materials, 2 DCA staff from/to Mauritius to/from St Brandon including accommodation, foods and inland transport.                  | 1            | Lot             |                 |                  |
| <b>3.0</b> | <b>Miscellaneous</b>                                                                                                                                                                      |              |                 |                 |                  |
| 3.1<br>(i) | Any other items not mentioned above but deemed necessary to complete the project. Please provide details.                                                                                 | 1            | Lot             |                 |                  |
| 3.2        | Provision of Training for operation, maintenance and troubleshooting of the proposed system                                                                                               | 10 personnel | No.             |                 |                  |
| <b>4.0</b> | <b>Contingency Sum – Rs</b>                                                                                                                                                               | Lot          |                 |                 | <b>500,000</b>   |
|            | <b>Sub Total - Rs</b>                                                                                                                                                                     |              |                 |                 |                  |
|            | <b>VAT @      % - Rs</b>                                                                                                                                                                  |              |                 |                 |                  |
|            | <b>Total Amount - Rs</b>                                                                                                                                                                  |              |                 |                 |                  |

**PRICE SCHEDULE FOR MANDATORY TEST GEARS/TOOLS**

| Item No.  | Critical parts, modules or cards of the system                                            | Qty     | Unit Cost | Cost inclusive of Taxes & Duties (DDP) |
|-----------|-------------------------------------------------------------------------------------------|---------|-----------|----------------------------------------|
| <b>A.</b> | <b>Solar Power System</b>                                                                 |         |           |                                        |
| 1.        | Infrared Thermometer                                                                      | 1       |           |                                        |
| 2.        | Pyranometer or Mobile Digital Solar Meter                                                 | 1       |           |                                        |
| 3.        | Digital Multimeter                                                                        | 1       |           |                                        |
| 4.        | Current Clamp Meter                                                                       | 1       |           |                                        |
| 5.        | Battery Tester                                                                            | 1       |           |                                        |
| 6.        | Earth Resistance Tester                                                                   | 1       |           |                                        |
| 7.        | Any other spares deemed necessary for maintenance of the Solar Power System and batteries | Specify |           |                                        |
| <b>B.</b> | <b>Air Conditioners</b>                                                                   |         |           |                                        |
| 1.        | Small to Medium Size Blower                                                               | 1       |           |                                        |
| 2.        | Temperature and Humidity Meter                                                            | 1       |           |                                        |
| 3.        | 3-Way Air Conditioning Diagnostic Charging Set with required accessories                  | 1       |           |                                        |
| 4.        | Adjustable Spanner Ratchet Type (8, 10 and 12 inches)                                     | 1       |           |                                        |
| 5.        | Copper Tube Cutter                                                                        | 1       |           |                                        |
| 6.        | Set of Flaring/ Swaging Tool                                                              | 1       |           |                                        |
| 8.        | Any other recommended spare                                                               | Specify |           |                                        |
|           |                                                                                           |         |           |                                        |

|                                                                                                                                                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Subtotal for Item A</b>                                                                                                                                                                                                                                    |  |
| <b>Subtotal for Item B</b>                                                                                                                                                                                                                                    |  |
| <b>Add VAT at 15%</b>                                                                                                                                                                                                                                         |  |
| <b>Total cost for spares</b>                                                                                                                                                                                                                                  |  |
| Note: The costs for the test gears will be used for evaluation purposes. The department reserves the right not to proceed with the procurement of all the test gears. The total cost for spares shall not be transferred to Bid Submission Form as bid price. |  |

## Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement Ref. No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

### WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

## ***COST STRUCTURE FOR VALUE ADDED CALCULATION PER PRODUCT***

| <b><u>COST STRUCTURE FOR VALUE ADDED CALCULATION PER PRODUCT</u></b> |       |       |
|----------------------------------------------------------------------|-------|-------|
|                                                                      | Rs    | Rs    |
| <b>Raw Materials, Accessories &amp; Components</b>                   |       |       |
| • Imported (CIF)                                                     | ..... | ..... |
| • Local                                                              | ..... | ..... |
| <b>Labour Cost</b>                                                   |       |       |
| • Direct Labour                                                      | ..... | ..... |
| <b>Direct Factory Expenses</b>                                       |       |       |
| • Operating Cost of Machine                                          | ..... | ..... |
| • Expenses related for finishing of goods                            | ..... | ..... |
| • Packaging costs                                                    |       |       |
| <b>Cost of Factory Overheads</b>                                     |       |       |
| • Electricity                                                        | ..... | ..... |
| • Rates & Insurance                                                  |       |       |
| • Telephone                                                          | ..... | ..... |
| • Rent                                                               | ..... | ..... |
| • Depreciation                                                       | ..... | ..... |
| • Interest on Loans                                                  | ..... | ..... |
| • Direct Consumables                                                 | ..... | ..... |
| • Indirect Labour Charges ( factory employees)                       |       |       |
| <b>Other (please specify)</b>                                        |       |       |
| • .....                                                              | ..... | ..... |
| • .....                                                              | ..... | ..... |
| • .....                                                              | ..... | ..... |
| <b>TOTAL COST</b>                                                    |       |       |

Local Value Added =  $\frac{\text{Total Cost} - \text{Cost of imported inputs}}{\text{Total Cost}} \times 100$

- The cost structure should be certified by a Certified Accountant

### Notes on Locally manufactured goods

#### Locally Manufactured Goods -Value-added criterion

The goods have been produced in Mauritius wholly or partially from imported materials (or materials of unknown origin) and the value added resulting from the process of production accounts for at least 25% of the ex-factory cost of the finished product.

#### Explanation:

The value added is the difference between the ex-factory cost of the finished product and the c.i.f. value of imported materials used in production.

Ex-factory cost means the value of the total inputs required to produce a given product. In applying this criterion, domestic material content may be either low or non-existent in the composition of the products.

#### Calculation of ex-factory cost:

The following costs, charges and expenses should be included:

(a) The cost of imported materials, as represented by their c.i.f. value accepted by the Customs authorities on clearance for home consumption, or on temporary admission at the time of last importation in Mauritius where they were used in a process of production, less the amount of any transport costs incurred in transit.

Provided that the cost of imported materials not imported by the manufacturer will be the delivery cost at the factory but excluding customs duties and other charges of equivalent effect thereon;

(b) The cost of **local materials**, as represented by their delivery price at the factory;

(c) The cost of **direct labour** as represented by the wages paid to the operatives responsible for the manufacture of the goods;

(d) The cost of direct factory expenses, as represented by:

- the operating cost of the machine being used to manufacture the goods;
- the expenses incurred in the cleaning, drying, polishing, pressing or any other process, as may be necessary for the finishing of the goods;
- the cost of putting up the goods in their retail packages and the cost of such packages but excluding any extra cost of packing the goods for transportation and the cost of any extra packages;
- the cost of special designs, drawings or layout; and the hire of tools, or equipment for the production of the goods.

(e) The cost of **factory overheads** as represented by:

- rent, rates and insurance charges directly attributed to the factory;
- indirect labour charges, including salaries paid to factory managers, wages paid to foremen, examiners and testers of the goods;
- power, light, water and other service charges directly attributed to the cost of manufacture of the goods;
- consumable stores, including minor tools, grease, oil and other incidental items and materials used in the manufacture of the goods;
- depreciation and maintenance of factory buildings, plant and machinery, tools and other items used in the manufacture of the goods

The following costs, charges and expenses **should be excluded**:

(a) **Administration expenses** as represented by:

- office expenses, office rent and salaries paid to accountants, clerks, managers and other executive personnel;
- directors' fees, other than salaries paid to directors who act in the capacity of factory managers;
- statistical and costing expenses in respect of the manufactured goods;
- investigation and experimental expenses.

(b) **Selling expenses**, as represented by:

- the cost of soliciting and securing orders, including such expenses as advertising charges and agents' or salesmen' commission or salaries;
- expenses incurred in the making of designs, estimates and tenders.

(c) **Distribution expenses**, represented by all the expenditure incurred after goods have left the factory, including;

- the cost of any materials and payments of wages incurred in the packaging of the goods for export;
- warehousing expenses incurred in the storage of the finished goods;
- the cost of transporting the goods to their destination.

(d) **Charges not directly attributed to the manufacture of the goods**:

- any customs duty and other charges of equivalent effect paid on the imported raw materials;
- any excise duty paid on raw materials produced in the country where the finished goods are manufactured;
- any other indirect taxes paid on the manufactured products;
- any royalties paid in respect of patents, special machinery or designs; and
- finance charges related to working capital.

## **PART 2 – Supply Requirements**

# Section V. Schedule of Requirements

## Contents

1. List of Goods and Delivery Schedule ..... 59

2. List of Related Services and Completion Schedule ..... 3

3. Technical Specifications ..... 71

8. Drawings ..... 98

9. Inspections and Tests ..... 99

## 1. List of Goods and Delivery Schedule

*[The Purchaser shall fill in this table, with the exception of the column “Bidder’s offered Delivery date” to be filled by the Bidder]*

| Line Item N° | Description of Goods                                                                                                                                                                                                                                    | Quantity | Physical unit | Final Destination (Project Site) as specified in BDS | Delivery (as per Incoterms) Date            |                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
|              |                                                                                                                                                                                                                                                         |          |               |                                                      | Delivery Date                               | Bidder's offered Delivery date [to be provided by the bidder] |
| 1.0          | VSAT Station at Agalega Island                                                                                                                                                                                                                          |          |               |                                                      |                                             |                                                               |
| 1.1          | Design and Built, Supply, Installation, testing and commissioning of standalone Solar Photovoltaic System complete with Lithium Ion Battery Pack offering 24 hours running autonomy for operating the two air conditioners (only one unit AC at a time) | 1        | Lot           | Agalega                                              | 24 weeks from date of signature of contract |                                                               |
| 1.2          | Supply and Installation of 24,000 BTU split type Air Conditioners (Qty-2) in the VSAT station to work alternately every twelve hours.<br>Undertake all civil, builders, electrical & allied works on site                                               | 1        | Lot           | Agalega                                              | 24 weeks from date of signature of contract |                                                               |
| 1.3          | Supply of materials and undertake all necessary civil works for closure of the four existing air vents (each for size: dimensions 60cmx60cm and depth of 20 cm) of the VSAT station                                                                     | 1        | Lot           | Agalega                                              | 24 weeks from date of signature of contract |                                                               |

|     |                                                                                                                                                                                           |   |     |                |                                             |  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|----------------|---------------------------------------------|--|
| 1.4 | Undertake all necessary civil works to create two openings, each of dimension 50cmx30cm, in the existing concrete wall separating the technical room and battery room of the VSAT station | 1 | Lot | <i>Agalega</i> | 24 weeks from date of signature of contract |  |
| 1.5 | Testing and Commissioning of PV system and AC units                                                                                                                                       | 1 | Lot | <i>Agalega</i> | 24 weeks from date of signature of contract |  |
| 1.6 | Provision of As-made drawings, Schematic Diagram, Test certificate, Warranty Certificates and all other relevant Technical Documents in hard & soft copy.                                 | 4 | No. | <i>Agalega</i> | 24 weeks from date of signature of contract |  |
| 1.7 | Provision for transportation of contractor's personnel, materials, 2 DCA staff from/to Mauritius to/from Agalega including accommodation, foods and inland transport.                     | 1 | Lot | <i>Agalega</i> | 24 weeks from date of signature of contract |  |

| 2.0 | VSAT Station at St Brandon Island                                                                                                                                                                                                                          |   |     |                   |                                             |  |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|-------------------|---------------------------------------------|--|
| 2.1 | Design and Built, Supply, Installation, testing and commissioning of standalone Solar Photovoltaic System complete with Lithium Ion Battery Pack offering 24 hours running autonomy to operate the split type Air Conditioner (only 1 unit AC at any time) | 1 | Lot | <i>St Brandon</i> | 24 weeks from date of signature of contract |  |
| 2.2 | Supply and Installation of 24,000 BTU split type Air Conditioners (Qty-2) in the VSAT station to work alternately every twelve hours.<br>Undertake all civil, builders, electrical & allied works on site                                                  | 1 | Lot | <i>St Brandon</i> | 24 weeks from date of signature of contract |  |
| 2.3 | Supply of materials and undertake all necessary civil works for closure of the four existing air vents (each for size: dimensions 60cmx60cm and depth of 20 cm) of the VSAT station                                                                        | 1 | Lot | <i>St Brandon</i> | 24 weeks from date of signature of contract |  |
| 2.4 | Undertake all necessary civil works to create two openings, each of dimension 50cmx30cm, in the existing concrete wall separating the technical room and battery room of the VSAT station                                                                  | 1 | Lot | <i>St Brandon</i> | 24 weeks from date of signature of contract |  |

|            |                                                                                                                                                                          |              |     |                                                                                                                      |                                             |  |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--|
| 2.5        | Testing and Commissioning of PV system and AC units                                                                                                                      | 1            | Lot | <i>St Brandon</i>                                                                                                    | 24 weeks from date of signature of contract |  |
| 2.6        | Provision of As-made drawings, Schematic Diagram, Test certificate, Warranty Certificates and all other relevant Technical Documents in hard & soft copy.                | 4            | No. | <i>St Brandon</i>                                                                                                    | 24 weeks from date of signature of contract |  |
| 2.7        | Provision for transportation of contractor's personnel, materials, 2 DCA staff from/to Mauritius to/from St Brandon including accommodation, foods and inland transport. | Lots         | Sum | <i>St Brandon</i>                                                                                                    | 24 weeks from date of signature of contract |  |
| 2.5        | Testing and Commissioning of PV system and AC units                                                                                                                      | 1            | Lot | <i>St Brandon</i>                                                                                                    | 24 weeks from date of signature of contract |  |
| <b>3.0</b> | <b>Miscellaneous</b>                                                                                                                                                     |              |     |                                                                                                                      |                                             |  |
| 3.1        | Provision of Training for operation, maintenance and troubleshooting of the proposed system                                                                              | 10 personnel | No. | Agalega, St Brandon and Area Control Centre, Department of Civil Aviation, SSR International Airport, Plaine Magnien | 24 weeks from date of signature of contract |  |
|            |                                                                                                                                                                          |              |     |                                                                                                                      |                                             |  |

## 2. List of Related Services and Completion Schedule

*[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates (as per Incoterms)]*

| Service | Description of Service                                                                                                                               | Warranty Period<br>(Year 0)    | 1 <sup>st</sup> Year<br>maintenance | 2 <sup>nd</sup> Year<br>maintenance | 3 <sup>rd</sup> Year<br>maintenance | 4 <sup>th</sup> Year<br>maintenance | 5 <sup>th</sup> Year<br>maintenance |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1.0     | Maintenance of the Photovoltaic System and Split Type AC Units including the batteries and associated equipment and accessories at AGALEGA Island    | Equipment shall be on Warranty |                                     |                                     |                                     |                                     |                                     |
| 2.0     | Maintenance of the Photovoltaic System and Split Type AC Units including the batteries and associated equipment and accessories at St Brandon Island | Equipment shall be on Warranty |                                     |                                     |                                     |                                     |                                     |
|         | <b>Cost inclusive of all taxes and duties<br/>(Currency to be specified by bidder)</b>                                                               |                                |                                     |                                     |                                     |                                     |                                     |
|         | <b>Total Price for Five Year Maintenance<br/>Contract inclusive of all taxes and duties)</b>                                                         |                                |                                     |                                     |                                     |                                     |                                     |
|         |                                                                                                                                                      |                                |                                     |                                     |                                     |                                     |                                     |
|         |                                                                                                                                                      |                                |                                     |                                     |                                     |                                     |                                     |

Note: (i) Bidder shall take into account that the maintenance contract costs will be considered for evaluation purposes.

(ii) The maintenance contract conditions/services are detailed in Section V: Schedule of Requirements and will be required onsite at Agalega and St Brandon.



### 3. Technical Specifications

#### **DESIGN, BUILT, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF STANDALONE PHOTOVOLTAIC SYSTEM POWERING SPLIT TYPE AIR CONDITIONERS AND ASSOCIATED WORKS FOR VSAT STATIONS AT AGALEGA & ST BRANDON**

##### **1 Introduction**

The Department of Civil Aviation of Mauritius operates Very Small Aperture Terminal (VSAT) earth stations and Very High Frequency (VHF) equipment at Agalega and St Brandon for the provision of air navigation services in the Mauritius Flight Information Region (FIR). At both Agalega and St Brandon, the VSAT and VHF equipment are housed in a 28 square meters (7.0 m x 4.0 m x H: 3.5 m) shelter. The VSAT and VHF equipment are powered by a standalone solar power system. It has however been observed that the temperatures at Agalega and St Brandon are quite high during the last few years, which are impacting the performance of our equipment onsite. We therefore have the requirement to install air conditioning units in the shelters of Agalega and St Brandon, which have to be powered by a separate standalone photovoltaic (PV) system. The PV system is to operate in standalone mode with battery pack charged from the solar array and the Air Conditioning equipment supplied from inverter connected to the battery pack offering at least 24 hours continuous running autonomy. The installation must meet the requirements of the prevailing BS/IEE norms.

The scope of works shall include, but shall not be limited to the system design, engineering (for civil, mechanical, communication, electrical/electronic, and electromechanical), procuring, manufacturing, shop testing, supplying, transporting to site, installation, testing and commissioning and undertaking the maintenance of the Standalone Ground Mounted Solar Photovoltaic (PV) system including battery pack and the air conditioning equipment.

The Photovoltaic (PV) systems shall be mounted on concrete bases to be casted on the ground (sand) around the VSAT Stations at both Agalega and St Brandon. Alternative proposal for supporting the PV systems may also be considered such as pre-fabricated slabs to be brought on site, etc.

The bidder shall provide all necessary logistics including construction & handling equipment, supervision for works, skilled labor, transport, insurance, etc. for the works.

The bidder must take all required precautions so as not to cause any damage to our existing equipment and infrastructure onsite of the VSAT stations of Agalega and St Brandon.

##### **1.1 Current Infrastructure**

The setup of the VSAT station including the shelter of the equipment is similar for both Agalega and St Brandon. The shelter is separated by a wall into two partitions with one partition (technical room) housing the VHF and VSAT equipment in a rack while the second

(battery room) housing the batteries of the existing solar power system as shown in Drawing No.1.

## 2 Scope of Works

---

The scope of works shall include, but shall not be limited to, the system design, engineering, procuring, manufacturing, shop testing, supplying, transporting to site (at Agalega Island and at St Brandon Island), erecting, testing and commissioning, warranting, insuring and maintenance for the following:

- (i) Design, Supply and built two (2) Nos. standalone PV systems each consisting of the solar PV modules, charge controllers, battery packs, inverters, combiner boxes, protection devices, distribution boards complete with protective switchgears, switches, all supporting structures, monitoring system and any other equipment / materials deemed necessary for successful operation of the standalone PV System. The capacity of each PV system shall allow the smooth operation of a (one number) 24,000 BTU/hr split type Air Conditioner at a time. Each battery pack shall be sized to cater for a continuous running autonomy of at least 24 hours. Charge controller to be sized accordingly for the proposed battery pack and the Inverter to be suitably rated for the proposed split type Air Conditioner DC inverter type.
- (ii) Undertake all AC and DC cable interconnection works complete with conduit and cable ways and enclosed in concrete ducts with cover underground or PVC sleeves with concrete surround.
- (iii) Supply, Installation, Testing & Commissioning of two (2) Nos. 24,000 BTU wall mounted split type Air Conditioners with DC inverter in the VSAT Station at Agalega Island and another two (2) Nos 24,000 BTU wall mounted split type Air Conditioners with DC inverter in the VSAT Station at St Brandon Island. Note that the 2 Air Conditioners shall be Timer control to operate automatically one at a time and to alternate every twelve hours on a 24 hour basis. (AC1 12:00 hrs to 24:00 hrs & AC2 24:00 to 12:00 hrs).
- (iv) Supply of materials and undertaking of all required civil works for the closure of the existing four air vents (each 60 cm × 60 cm × 20 cm) at each VSAT stations;
- (v) Supply of materials and undertaking all necessary civil works to create two openings, each of dimension 50 cm × 30 cm × 20 cm, in the existing concrete wall separating the technical room and battery room at each VSAT stations;
- (vi) Shipment to/from Agalega and St Brandon of all the required materials/tools for the implementation of the abovementioned works including inland transport in Agalega and St Brandon;
- (vii) Provision for transportation of contractor's personnel, 2 DCA staff to/from Agalega and St Brandon including accommodation, food and inland transportation;
- (viii) Provision of training for the operation and maintenance of the solar power system as well as the Air Conditioning Units;

- (ix) To undertake all Electrical and control/automation works for the project.
- (x) To undertake a maintenance contract for the cleaning, servicing, inspection, repairs, among others of the PV systems (including panels, cables, charge controller, inverter, battery pack, switchgears), the split type Air conditioners and all items in the project during the defects liability period and also to undertake a FIVE (5) years post warranty maintenance contract for the project. A minimum of two site visits per year shall be done at the two islands. The visits need to be scheduled after coordination with the department.
- (xi) Any items not mentioned above but deemed necessary to make a complete and fully operational automated air conditioning system energised by a standalone solar PV system.

## **2.1 General**

The Contractor shall provide all required services, materials and logistics for the successful completion of the Project which include amongst others, procurement of solar PV panels, charge controllers, battery packs, inverter(s), combiner boxes, cables, supporting structures, distribution boards, protective devices, switches, air conditioner units and other equipment, site preparation works, installation of all equipment, bulk material and commodities supply and site finishing work. The Contractor shall also include supervision, construction, start-up and commissioning, as well as testing of the Works.

The Contractor shall carry out all other surveys and investigations he deems necessary for the design, installation and completion of the works.

The Contractor shall take into consideration the extreme saline conditions at Agalega and St Brandon and proposed outdoor equipment that are suitable for use/installation in high saline environment.

### **2.1.1 Language**

English Language is the only acceptable language to be used in all documents in the bidding document and in all correspondence between the Bidder and the Employer. Technical and Commercial pamphlets shall be in English.

### **2.1.2 Units of Measurement**

SI units will be the only acceptable ones in all correspondences, technical schedules and drawings.

### **2.1.3 Transport and Handling**

The selected Supplier/Installer shall make his own arrangements for, and bear all expenses in connection with the importation and transport to each site and materials needed for the purpose of the contract including installation, testing and commissioning.

The contractor shall make the following arrangements:

- (i) Shipment and delivery of the proposed system including associated equipment and materials;
- (ii) Installation, testing and commissioning of the proposed system;
- (iii) Inland transport of materials and personnel at Agalega/St Brandon for carrying out the required works onsite; and
- (iv) Transportation, food arrangements and accommodation of his personnel at Agalega and St Brandon.

**The costs involved for the above items (i), (ii), (iii) & (iv) for the trip to Agalega and St Brandon shall be borne by the supplier.**

You may wish to note that arrangements are in place to visit the station of St Brandon and Agalega twice yearly for maintenance purposes by our personnel which includes technicians and electrician. Trips to St Brandon are organized with the Raphael St Brandon Sportfishing Ltd while for Agalega, arrangements are made with the Outer Islands Development Corporation (OIDC). Trips to Agalega are normally scheduled during the months of March, June, September and November/December by the OIDC while trips to St Brandon are carried out upon request to Raphael St Brandon Sportfishing Ltd. The contractor has to make necessary arrangements to ensure that the works are carried out during the scheduled trips by the OIDC and Raphael St Brandon Sportfishing Ltd for the timely completion of the project.

The department will provide administrative support wherever possible and applicable to ensure the timely completion of the project. No claim for extra expenses under the contract will be entertained on the ground that insufficient information was given in the Tender Document regarding access to the different sites.

#### **2.1.4 Manuals and Handing Over of all Materials**

Upon commissioning of the installation of the Air Conditioner Units and the solar PV Systems, the Contractor shall hand over all materials, which include software, passwords, codes, USB keys, manuals, web link and others relating to the said installation. Any failure in handing over the related materials shall be sufficient for forfeiting Performance Security provided by the bidder to the Employer.

Contractor shall submit installation guides, Instruction manuals, Training manuals, manual on management and coordination of warranty claims and operation & maintenance manuals (properly bind and labelled accordingly for all design, monitoring, operation, maintenance, spare parts and code books for all civil, electrical, electronic, mechanical and electromechanical works for the Solar PV system) at least 1 month before expected completion date for approval of Employer and finalized.

Three prints of all manuals and an electronic copy (on a 32 GB penstick) containing all submissions due under this Contract shall be submitted by the Contractor before completion of the project and all 'as-built' Electrical, Mechanical and Civil drawings and for the whole solar PV system shall be provided within one (1) week after commissioning of the Solar PV system. All documents shall be submitted in pdf and Word format while drawings shall be submitted both in pdf and also imperatively in AutoCAD format.

The Supplier/Installer further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier/Installer or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Mauritius, as per the Conditions of Contract.

#### **2.1.5 Subcontractor's List**

The bidder should submit a list of all subcontractors to be involved in the project, if any.

#### **2.1.6 Program of Works**

The Bidder shall submit a detailed Programme of Works for the entire project in line with the requirements of the client within 21 days from the date of the Letter of Acceptance for approval of the Employer.

#### **2.1.7 Completion Period**

The completion period for the Contract shall be within 24 weeks from date of signature of contract. Deviation in the completion period shall only be considered if such deviation is reasonable and justified.

The Project is deemed to be completed only if the solar PV System pass the 7 days start up test, the latter can withstand the load demand of the air conditioning unit and all remedial works have been carried out satisfactorily.

#### **2.1.8 Safety and Site Exigencies**

The successful bidder must ensure that safety norms in accordance with the Occupational Health and Safety Act be adhered to, while working on Employer's premises and that he and his representatives wear the appropriate personal protective equipment.

The Contractor shall respect security arrangements in force and shall seek necessary permission and security pass for yard access, if any, for execution of the work. The site shall be kept tidy and no materials/refuse shall be kept which may cause interruptions.

In case, the Employer's officer finds that the Contractor is not working in a safely manner, the Employer reserves the right to instruct the Contractor to stop work until remedial actions are taken.

Before start of works, the Contractor's team leader and workers shall be made aware of the dangers that may exist in respect of live parts and for working at high altitude of at least 10 m high roof and they shall abide by all instructions given.

The equipment onsite at the stations shall be protected against any damage. In case of damage, the contractor shall bear the related costs.

#### **2.1.9 Engineering Studies**

The design of the standalone solar PV system and selection of each components of the PV system shall be performed by the Contractor, including cable sizing in accordance with IEC 60287, design of mounting structure and optimal design to cater for the continuous running of a 24,000 BTU air conditioner unit for at least 24 hours by means of Lithium Ion batteries. Alternative running autonomy (less than 24 hrs) of the system may be acceptable exceptionally in the event that the physical site constraints does not allow the installation of

the total number of PV panels required to achieve the required autonomy. Mounting structure drawings with structural calculations shall be reviewed and certified by a Registered Civil Engineer to withstand cyclonic gusts at 250 km/hr.

### 2.1.10 Standards

The installations shall be carried out to good standards of workmanship and all equipment, materials and fittings shall be new and according to specifications. Where no details have been provided, products shall be manufactured to the British Standards applicable to the particular product.

Where the installation method of a particular material or equipment is recommended by the manufacturer, the contractor shall submit this information to the Engineer before the start of the works. The contractor shall also ascertain that the procedures laid down are properly followed.

## 2.2 Climate and site Location

The contractor shall ensure that the choice of materials of PV system and all equipment provided for the project are adequate to Agalega and St Brandon environmental conditions described below:

### Environmental conditions

Global Horizontal Irradiation average: 1800 kWh/m<sup>2</sup>/year

Direct Normal Irradiation average: 1600 kWh/m<sup>2</sup>/year

### Extreme UV radiation

**Cyclonic Wind: 280 km/h (3800 Pa)**

Extreme temperature: T<sub>min</sub> = 5 °C / T<sub>max</sub> = 45 °C

**Annual rainfall index:** between 900 mm/year and 1500 mm/ year

**Humidity:** Humidity levels reach higher than 90%

Tropical climate and **Saline environment in coastal region**

Seismic activity: low

Lightning density: 30 (number of thunderclaps per year hitting an area)

The PV modules shall be ground mounted on reinforced concrete slabs around the VSAT Station or otherwise. The roof of the building will not be used.

## 2.3 Low Voltage AC system nominal operating Parameters

The PV Low Voltage system shall have the following design parameters.

Table 1

| Description                   | Range                |
|-------------------------------|----------------------|
| Voltage (1 Phase)             | 230 V ± 6 %          |
| Short circuit Characteristics | (1sec)18 kA, (50 Hz) |
| Nominal frequency             | 50 Hz                |
| Statutory frequency deviation | 50 Hz ± 1.5 %        |
| Operating frequency range     | 47 Hz – 52 Hz        |

The LV shall be a TT system configuration. The LV (AC) Protective devices shall comply with above requirements. All cables (DC&AC) outdoor shall be enclosed in either 110 mm diameter PVC sleeves laid underground or inside concrete ducts to be casted on site and same have concrete covers to allow ease of verification during inspection & maintenance.

### **3 Technical Specifications**

---

#### **3.1 Types of Installation**

The installation shall be in trunking inside the buildings and all exposed outdoor wiring shall be wall mounted in pvc conduit or laid underground in conduit or concrete ducting with cover. The trunking and conduits shall be fireproof, flameproof, resistant to ultra violet (UV) rays and shall satisfy the relevant British Standards. Trunking and conduits of adequate dimensions shall be used to satisfy cable space factors. Conduits shall be clipped on wall by Inox clamps or Inox straps.

#### **3.2 Stand Alone Solar PV System**

The PV system shall be ground mounted on reinforced concrete slabs, or otherwise and shall consist of high efficiency mono-crystalline photovoltaic modules as direct current (DC) generators, supplying Charge Controllers charging the Lithium Ion battery pack. The battery pack shall be connected to the Inverter panel supply alternating current (AC) to meet the load requirements of the proposed wall mounted split type 24,000 BTU Air Conditioners. The Contractor shall be responsible for the complete design, installation, testing and commissioning of the standalone solar PV systems, the battery packs, the electrical connections and the air conditioner units.

The specific design of the PV system will depend on the charge controller, inverter specifications, the running autonomy and type of battery and the chosen system architecture. It is expected that, apart from manual calculations, the Bidder shall employ simulation software to perform detailed optimization of the layout, design and selection of components for the proposed standalone PV system. The optimization should include, among other parameters, selection of optimal tilt angle based on the location, three-dimensional (3-D) representation of the plant and any shading obstacles to determine shading losses etc. A design report for the PV system shall be submitted to the Employer, within 1 week from Letter of Acceptance.

Sufficient area shall be available from the wall and in between the rows of panels to allow servicing of the system and to avoid the shading of a row by an adjacent row.

Each piece of equipment shall be properly packed and protected for shipment. All control panels, instruments etc. shall be packed in polyethylene sheeting sealed at the joints and enclosure provided internally with an appropriate desiccator.

Drawings 2 and 3 illustrates the areas that can be used for installation of the solar PV system for Agalega and St Brandon respectively. It should be noted that there are existing PV modules on existing PV mounting structures (shaded in blue) as demonstrated in the drawings.

### 3.3 Solar Photovoltaic (PV) Modules

The solar PV modules shall have the following specifications:

- Solar PV module conversion efficiency shall be equal to or greater than 17% under Standard Test Conditions (STC) and AM 1.5 radiations.
- PV cells shall be of the high efficiency mono-crystalline type with by-pass diodes.
- The PV modules shall be highly resistant to water, abrasion, hail impact and other environmental factors of Agalega & St Brandon Islands and also to ultraviolet exposure.
- The frame of the PV modules shall be of lightweight anodized aluminium with appropriate high-quality edge sealant around the laminate which is resistant to saline environment.
- The glass shall be made of toughened high transmission glass of appropriate thickness.
- Among others, the PV modules shall be designed and manufactured to comply with the following European or equivalent international standards:
  - IEC 61215 - Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
  - IEC 61730 - Photovoltaic (PV) module safety qualification
- The PV modules shall be designed to last over twenty (20) years of operation, in tropical climates, with a warranty not less than 10 years to be submitted by the Bidder.
- The Bidder shall provide details on the degradation of the rated capacity of PV panel over its expected lifespan.

The terminal box on the module shall be to at least IP66 and shall have provision for opening and replacing of the cable. A strip containing the following details should be laminated inside the module so as to be clearly visible from the front side:

- Name of the Manufacturer or distinctive Logo
- Model or Type No.
- Serial No.
- Year of Manufacture

The PV modules shall be fixed at the appropriate angle of tilt, positioned with respect to the direction of the sun so as to optimize performance.

### 3.4 Solar Array Foundation and Module Support Structure

Solar array support structure shall be designed to meet the structural requirements of the PV array and also to withstand cyclonic gusts of speed 250 km/h. It shall accommodate the appropriate tilt angle and be adaptable for the site conditions. The support structures for the PV modules shall be ground mounted on reinforced concrete slabs which has to be casted on site around the VSAT Stations, or otherwise. On no occasion, the rooftop of the VSAT Stations shall be used for the installation of the support structures and no material shall be stacked directly on the existing roof water proofing. The existing roof water proofing shall be protected with an appropriate layer prior to the start of the work and this protection shall be maintained until its completion, if need be. All connections of the support structure and PVC conduit used to run the electric cables shall be carried out either in PVC sleeves or in ducting complete with concrete cover both laid underground. The Contractor shall make good of any

damages caused to any part of the site during execution of the works to the satisfaction of the Client.

The frame of the module support structure shall be made of extruded aluminium. The support structure shall allow inspection and servicing of the array. All nuts and bolts shall be of aluminium. The support structure shall be manufactured from steel/inox which is to be to applicable International Standards (ISO/EN/BS).

The support structure shall be designed and installed to provide a minimum expected lifetime of twenty (20) years. The structures shall be designed for simple mechanical on site installation.

The frame structure should have provision to adjust its angle of inclination to the horizontal so that it can be installed at the optimum tilt angle. The design shall be modular and shall be of demountable type.

All solar panel must be accessible from the top for cleaning and from the bottom for access to the module combiner box.

After award of contract, the Bidder shall submit detail design calculations certifying that the complete PV solar system's installation shall withstand cyclonic gusts of speed 250 km/hr. The calculations shall be certified or signed by a Registered Professional Engineer (Civil/structural). The Bidder shall have to ensure that the installation is able to withstand the weight of the PV system and maximum wind forces.

To ensure equipotential bonding between the mounting structure and the solar panel, it is recommended that claw clamps be provided and used.

The existing PV mounting structures for the solar power system at Agalega and St Brandon are identical and at a height of about 2.2 m from ground level as shown in Drawing 4. You may wish to note that the VSAT stations of Agalega and St Brandon are surrounded by a perimeter fence of about 2.44m.

The existing pedestals at the VSAT stations of Agalega and St Brandon can be used by the contractor subject that the latter complies with the warranty period specified in the bidding document for the support structures. At Agalega VSAT station, there are 8 pedestals already casted in concrete bases that can be used as depicted in red in Drawing 2.

For St Brandon VSAT station, the 8 pedestals (shown in red) supporting the 2 PV mounting structures (shown in grey) can be used; however the existing PV modules and PV mounting structure of the 8 pedestals have to be dismounted. Photos of the existing pedestals are shown in Drawing 5.

The contractor may carry out a site visit in order to inspect the existing support structures and to get fully acquainted with the nature of site and extent of work involved prior to submission of the design report. All the costs and arrangements involved for carrying out the site visit shall be borne and done by the contractor. The department will provide administrative support if and where applicable.

### **3.5 Solar Array**

The cables from the array strings to the Charge Controller shall be provided with DC fuse or DC breaker and Surge protection. Fuses/DC breakers shall have a voltage rating and current

rating as required. The fuse/DC breaker shall have DIN rail mountable fuse holders and shall be housed in thermoplastic IP 65 enclosures.

### **3.6 Charge Controller**

The Charge Controller shall prevent battery over charging and manage the battery life. The rating shall be selected to match the PV array and the battery pack capacity, among others. It will be to at least IP 65 and equipped with facility to allow remote monitoring. The controller will have ultra-fast Maximum Power Point Tracking (MPPT) for efficient energy conversion and the unit shall have short circuit protection. Note that the charge controller may be an integral part of the Inverter.

### **3.7 Battery Pack**

The battery pack shall comprise of Lithium Ion batteries which will be supplied by the Charge Controller. The battery pack has to be mounted on racks/support structures housed in appropriate cubicle in concrete or otherwise. The batteries shall be resistant to harsh saline environment & be able to work over a large temperature range for the tropical climate. The type of Lithium Ion battery, the voltage rating, the capacity (Ampere hour) and the number of batteries shall be selected based on the PV array and on the required 24 hours continuous running autonomy of the Air Conditioner Unit. Note that alternative running autonomy of the air conditioner (less than 24 hrs) may be exceptionally considered in the event of physical site constraint not allowing the full number of PV panels on the site. If such is the case, the bidder shall provide full justification with substantive proofs. Cable wires and terminal connection leads for the battery pack shall be provided. The battery shall be to IP65. Provision of mounting rack/supports and undertaking a proper shelter housing for the pack shall form part of this contract.

### **3.8 Inverter**

The inverter module shall convert the DC power from the Lithium Ion battery pack into AC power and adjust the voltage and frequency levels to suit the requirement of the Air Conditioner Unit. The inverter output shall be sized to match the load demand of the split type air conditioners.

The inverters proposed shall have the following general characteristics:

- Suitable for Standalone PV system with Lithium Ion battery pack
- 1-phase type and rated to power the Split type Air Conditioner Unit
- Maximum Power Point Tracking (MPPT) function to optimize power generation
- The Minimum rating of the inverter shall be designed by the bidder to meet the PV system capacity while achieving optimum system efficiency and to meet the load requirement.
- The inverter shall have anti-islanding features.

The inverters shall meet the following operating specifications and shall fulfill all the requirements of the load as follows: -

| <b>1.Electrical</b>          |                                                                |
|------------------------------|----------------------------------------------------------------|
| Nominal Frequency            | 50 Hz                                                          |
| Operational Frequency        | At least range of 47 – 52 Hz                                   |
| Nominal AC voltage           | 230V Single Phase                                              |
| Voltage variation range      | 230 V $\pm$ 6%                                                 |
| Power factor                 | 0.95 leading/lagging                                           |
| Radio Frequency Interference | Designed to minimize both conducted and radiated RFI emissions |
| Earthing System              | Suitable for operation on TT system.                           |
| Inverter efficiency          | $\geq$ 95%                                                     |
| <b>2. Environment</b>        |                                                                |
| Ambient temperature range    | 0 to 50 °C                                                     |
| Ambient humidity range       | 0 to 95% non-condensing                                        |
| Protection Degree            | IP 65 or better for outdoor mounting                           |
|                              |                                                                |

**Note that it shall be the responsibility of the bidder to choose the best location inside the building or otherwise for housing the Inverter and to ensure optimum operating environment for the Equipment.**

**Note:** The Bidder can also bid for battery and power modules integrating charge controller function, inverter function and power storage in same equipment acceptable for this contract.

### 3.9 Real Time Monitoring System

- The proposed system should allow for monitoring of the PV system by connecting a laptop locally to the system. The key performance data shall be viewed from the monitoring system.
- The real-time remote monitoring system shall have the following features:
  - Accurate monitoring of all key performance data of the PV system;
  - Status and Alarm monitoring for all installations shall be provided
  - Watch output in a real-time graph;
  - Record, store and transfer data, which is compatible with Microsoft Office software applications, on the system's performances;
  - Large, easy-to-read LED/LCD display;
  - Sleek design for installation in the main electrical enclosure;
  - Wall and DIN rail mounted;
  - Software or portal license to be included up to lifetime of the kit
  - Data collection and storage

### **3.10 Cable, Fuses, Circuit Breakers, Connectors, Combiner Boxes, Distribution Boards, Earthing System**

The Bidder shall be responsible to devise and implement appropriate protection systems for the complete PV system. In this respect, the Bidder shall provide circuit breakers and any other type of protective devices deemed required, depending on the level of protection, following calculations required to guarantee the Safe operation of the PV System and prevent damage to the system & equipment during fault conditions.

#### **Cables**

Cables specifically designed for solar PV installations shall be used. When sizing the cables, the following criteria shall be considered:

- **Cable voltage rating**

The voltage limits of the cable to which the PV string or cable will be connected must be considered. Calculations of the maximum open circuit voltage of the modules, adjusted for the site minimum design temperature in Mauritius, shall be used for this calculation.

- **Current carrying capacity of the cable**

The cable must be sized in accordance with the maximum current. Proper de-rating of the cable is required depending on the location of the cable, method of laying, number of cores and temperature.

- **Minimisation of cable losses**

The voltage drop for the whole system shall be less than 3 percent and the cable losses to be less than 1 percent.

Cables such as module cables and string cables shall be properly routed and secured to the mounting structure, either using dedicated hot dip galvanized type covered cable trays or rigid galvanized steel conduit complete with fittings. Cables shall be protected from direct sunshine, standing water and abrasion by the sharp edges of support structures. They should be kept as short as possible.

The module DC cables shall:

- Be specified for a wide temperature range (e.g., 0 to 125°C).
- Be resistant to ultraviolet (UV) radiation and weather
- Be single core and double insulated.
- Have mechanical resistance to animals/rodents, compression, tension and bending.
- Be run in rigid galvanised steel conduit (No drilling of the rooftop for fixing the galvanized steel conduit shall be allowed).
- Be protected from sharp support structure edges with anti-abrasion pads. Use cable connectors that adhere to international protection rating IP67.

All AC cables shall be steel wire armoured and shall be in complete uncut lengths without joints.

#### **Cable Trays complete with covers**

Cable trays complete with covers shall be supplied and installed for laying cables wherever appropriate. The cable trays shall:

- Be constructed from heavy-duty galvanized steel and be resistant to saline environment from a reputable manufacturer
  - Be of perforated type,
  - Be of adequate size to support the cables without undue bunching
  - For vertical runs, spacers between cable trays and wall shall be provided at regular intervals
  - For horizontal installation, fixing shall be such that sagging will not be more than 2 mm. All supports shall be vertically plumbed.
  - Cable tray shall be properly earthed at regular intervals.
- All supports, accessories, derivations, tees, bends, reducers shall be factory-manufactured and of galvanized steel. Cables shall be tied individually by UV resistant ties.

### **Galvanised Steel Conduits**

Galvanised Steel conduits shall be supplied and installed for DC cables The Galvanised steel conduits shall:

- Be of heavy-duty galvanized steel type resistant to saline environment.
- Be of adequate size to support the cables without undue bunching and allow free movement within conduits.
- For vertical runs, spacers between conduit and wall shall be provided at regular intervals
- For horizontal installation, fixing shall be such that sagging will not be more than 2 mm.
- For outdoor installation, the conduits shall be securely fixed so as not to be blown away by cyclonic gusts of speed 250 km/hr.

All supports, accessories, derivations, tees, bends, reducers shall be factory-manufactured and of galvanized steel. Cables shall be tied individually by UV resistant ties.

### **Concrete Ducting with cover**

Cables shall be laid in concrete ducting to be casted underground for laying of DC cables for the PV arrays in view of ease for inspection. The duct shall be of suitable size and these shall be covered by concrete cover slabs for safe and secured wiring of the PV system.

### **AC LV Distribution Boards**

An AC LV distribution board (named SDB AC on schematic diagram) shall be mounted close to the inverter, with appropriate protective devices. The protective devices shall be AC miniature circuit breaker, residual current device 30 mA, Timer, Contactors and AC Surge protection device.

All Distribution boards shall be class II, rated 1 kV ac or 2 kV dc and shall be of the weatherproof enclosure type to IP65, and shall be arranged so that the door or cover can be locked in the closed position. A lock and 3 keys shall be provided for each distribution board.

The arrangement of incoming and outgoing ways shall be made in a logical consistent manner taking into consideration speed and safety during installation, operation and maintenance.

Cable glands and conduit entries shall be provided as required by the design of the system. Sufficient space shall be provided in the low voltage AC switchboard to cater for the cables to bend and spread from the cable gland plate or bar to the terminals in a logical consistent manner without crossing of cores of a cable or of adjacent cables. Moreover, adequate space shall be provided to facilitate the removal of any cable termination without the need to remove any other termination.

**The low voltage ac switchboard shall also incorporate On/Off status indicators on the front panel for all circuits.**

Copper busbars and copper cables of appropriate cross section shall be provided for earthing and bonding.

### **LV Circuit Breakers**

All circuit breakers shall be of high-speed fault limiting thermal magnetic type of IEC 60898.

### **LV Isolators**

Isolators shall be of visible lockable type and sized to carry the maximum current carrying capacity of its systems.

### **Metering**

The energy from the PV system shall be metered by a Production Meter, installed by the bidder. It shall be located near to the Inverter panel. The Contractor shall ensure that all necessary cabling work is done from the PV system up to the Air Conditioner Units through the Production Meter.

### **DC Connectors**

Plug cable connectors which can be touched without risk of shock shall be used. The connectors current and voltage ratings should be at least equal to those of the circuits they are installed on. Connectors shall carry appropriate safety signs that warn against disconnection under load.

### **DC Combiner Boxes**

The Combiner Boxes can be used at the point where the individual strings forming part of a PV array are marshalled and connected in parallel before leaving for the Charge Controller/Inverter through the main DC cable and shall have fuse protection or DC breaker for the outgoing DC cables to the Inverter.

The Combiner Boxes shall be made of material able to withstand abnormal heat and fire up to 960 °C and rated insulation 1000 Vac; 1500 Vdc. All wires/cables must be terminated through cable lugs.

The combiner boxes shall be such that input & output termination can be made through suitable cable glands. The Combiner Boxes shall contain copper bus bars/terminal blocks housed in with suitable termination threads conforming to IP65 standard. They shall also have provisions for earthing. The combiner boxes shall be placed at a height for ease of accessibility.

Each Combiner Box shall have high quality suitable capacity Surge Protective Devices (SPDs), suitable Reverse Blocking Diodes (if applicable), and protected by a set of fuses or DC Breakers. Fuses shall have blown fuse indication. The DC breakers shall be suitably rated for the cable, PV panel and inverter.

For protection, maintenance work and inspections, each individual string shall have a string fuse and a disconnect (load break switch) on both the positive and negative string terminals or DC breaker. Care must be taken to avoid undesired nuisance tripping.

Since the module side of the DC PV system remains alive during the day, a clear visible warning sign that warns against disconnection under load, should be provided to inform anyone working on the combiner box.

Suitable markings shall be provided on the bus bar and cables for easy identification.

**String fuses or Circuit Breakers**

String fuses and circuit breakers shall be used for over-current and Short Circuit protection and shall be:

- Rated for DC operation
- Equipped to all arrays
- Rated to avoid nuisance tripping and taking into account the current and voltage ratings of the equipment to be protected.

**DC disconnects/load-break switches**

The DC disconnects/load-break switches shall be provided in the PV array combiner boxes and shall be:

- Double-pole to isolate both the positive and negative PV array cables
- Rated for DC operation.
- Capable of breaking at full load
- Rated for the system voltage and maximum current expected.
- Equipped with safety signs

**Earthing System**

The Earthing system of the solar PV system shall be designed to encompass the following:

- Array frame earthing,
- System earthing (DC conductor earthing),
- Charge Controller Earthing
- Battery Frame Earthing
- Inverter earthing,
- Surge protection
- Mounting supporting structure of the PV system
- Distribution boards
- Any other exposed metallic structure
- Cable trays and conduits
- Cable Sheath
- Air Conditioner Units

A continuous earth path is to be maintained throughout the complete PV system. Copper tapes shall be used to form the Earthing system. The Earth resistance of the installation shall not exceed 5 ohms and the earth loop impedance shall be to BS standards.

Earthing points complete with visible lockable Earthing switches shall be provided in distribution boards for Earthing the PV systems during maintenance and repairs.

**Earthing and Bonding**

The Contractor shall ensure that all electrical equipment that shall be supplied under this contract, shall be bonded to the earth bars of the main earthing system, by means of PVC insulated copper conductor.

Conductor cross sectional areas, but in no case shall they be less than that required for the maximum fault current for 1 second. The protective earthing conductor shall be a combination of green-and-yellow colour as per MS63.

The sectional area and contact of the bond shall be sufficient to carry normal currents and also the maximum fault current without undue heating of the bond.

### Protection functions

The following protection functions shall be provided:

- Adequate protection is to be incorporated under no load conditions, e.g. when the system is switched ON
- Circuit breakers should be provided to protect against short circuit conditions.
- All required over current protection should be included in the system and should be accessible for maintenance. Earth leakage protection shall also be provided.

### Surge Protection

The inverter/charge controller shall be fully protected against voltage surges. In any case, the inverter system shall also be well protected against variations in the supply voltage. The type of surge protection supplied shall be as recommended by the Inverter/charge controller manufacturer. The PV system shall include surge suppression devices on both the AC and DC side.

## 3.11 Design Documentation

The design documentation shall include but shall not be limited to:

- Design report that shall include information on site location, site characteristics, solar resource, all design work and summary of site investigation/survey.
- Datasheets of modules, charge controllers, Lithium Ion Batteries, inverters, array mounting system, and other system components, or acceptable alternatives such as power modules, battery modules among others.
- Wiring diagram including, as minimum, the information listed in Table 2 below.
- Layout drawing showing the rows spacing and clearance from VSAT stations.
- Mounting structure drawings with structural calculations reviewed and certified by a Registered Professional Engineer.
- Enclosure and battery set arrangement and connection wiring details.
- All electrical calculations to justify choice of materials and equipment for the installations. The Employer reserves the right to request for any additional electrical calculations.
- 

**Table 2: Annotated Wiring Diagram Requirements**

| Section           | Required Details                                                                                                                                                                                                                |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Array             | <ul style="list-style-type: none"> <li>• Module type(s)</li> <li>• Total number of modules.</li> <li>• Number of strings.</li> <li>• Modules per string</li> </ul>                                                              |
| Charge Controller | <ul style="list-style-type: none"> <li>• Type(s) and Capacities</li> <li>• Total number of controllers</li> </ul>                                                                                                               |
| Battery pack      | <ul style="list-style-type: none"> <li>• Type of Lithium Ion Battery</li> <li>• Voltage &amp; Ampere Hour of each battery</li> <li>• Total number of batteries in the pack</li> <li>• Battery Mounting &amp; Wirings</li> </ul> |
| Inverters         | <ul style="list-style-type: none"> <li>• Type(s) and capacities</li> <li>• Total number of inverters</li> </ul>                                                                                                                 |

|                                       |                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PV String information                 | <ul style="list-style-type: none"> <li>• String cable specifications – size and type</li> <li>• String over-current protective device specifications – type and voltage/current ratings</li> </ul>                                                                                                                                |
| Array electrical details              | <ul style="list-style-type: none"> <li>• Array main cable specifications – size and type</li> <li>• Array combiner box locations (where applicable).</li> <li>• DC isolator type, location and rating (voltage/current)</li> <li>• Array over-current protective devices – type, location and rating (voltage/current)</li> </ul> |
| Earthing and protection devices       | <ul style="list-style-type: none"> <li>• Details of all earth/bonding conductors – size and connection points. This includes details of array frame equipotential bonding cable (where fitted).</li> <li>• Details of any surge protection device installed (both AC and DC) to include location, type and rating.</li> </ul>     |
| AC System                             | <ul style="list-style-type: none"> <li>• AC isolator location, type and rating.</li> <li>• AC over current protective device location, type and rating.</li> <li>• Residual current device location, type and rating (where fitted).</li> </ul>                                                                                   |
| Data viewing and communication system | <ul style="list-style-type: none"> <li>• Details of the communication protocol</li> <li>• Wiring requirements</li> </ul>                                                                                                                                                                                                          |

The commissioning is deemed to be completed when the Contractor have submitted three (3) copies of operation, maintenance manuals and documents as specified above, properly binded and labelled accordingly for all design, monitoring, operation, maintenance, spare parts and code books for all civil, electrical, electronic, mechanical and electromechanical works for the Solar PV system and Air Conditioning Works. These documents shall also be submitted on soft copy in office, pdf, excel and Autocad format for all layout drawings / schematic diagrams.

## 3.12 Split Type Air Conditioners

### 3.12.1 Scope of Works for Air Conditioners:

1. Supply, Install, Test and Commissioning of new SPLIT type Air Conditioning Unit(s) with new copper tubing and trunking, drain pipes, wall mounted brackets, among others for the VSAT Stations at Agalega Island and at St Brandon Island.
2. Supply of all electrical materials, undertake new Installation works, Test and Commissioning of all necessary Electrical installation works associated with the installation of the above mention new AC(s).
3. To conduct a major general servicing/maintenance of both the indoor and outdoor units of the air conditioners during the warranty period.
4. To undertake post warranty maintenance of the Air Conditioners for a period of Five Years.

### 3.12.2 Technical Specifications for Air Conditioners:

The air conditioning units shall be as follows:

| <i>Item</i> | <i>Location</i>            | <i>Type</i>          | <i>Quantity</i>                                                                   | <i>Capacity ( Btu/hr)</i> |
|-------------|----------------------------|----------------------|-----------------------------------------------------------------------------------|---------------------------|
| AC1, AC2    | VSAT station at Agalega    | Split Unit Wall Type | 2 units Timer control to alternate working operation automatically every 12 hours | 24,000 each               |
| AC1, AC2    | VSAT station at St Brandon | Split Unit Wall Type | 2 units Timer control to alternate working operation automatically every 12 hours | 24,000 each               |

**Table 1: Details of air conditioners**

### 3.12.3 Noise Level

The Noise level of the air conditioning equipment measured at 1 m from unit on high-speed setting shall be as per table below.

| <i>Cooling Capacity (Btu/hr)</i> | <i>Type</i>                 | <i>Maximum Noise Level (dBA)</i> |
|----------------------------------|-----------------------------|----------------------------------|
| 24,000                           | Split wall/ Ceiling mounted | 55                               |

**Table 2 Noise Level Specification**

### 3.12.4 Specification for Split Type Air Conditioners

| <i>Description</i>   | <i>Feature</i>    | <i>Specified</i>                                   |
|----------------------|-------------------|----------------------------------------------------|
| <b>Indoor Unit:</b>  | Mounting          | Wall mounted as specified                          |
|                      | Mode of Operation | Fan / Cool / Dehumidify                            |
|                      | Noise Level       | As per Table 2                                     |
|                      | Air Outflow       | Horizontal                                         |
|                      | Air Deflection    | Orientable                                         |
|                      | Fan Speed         | Variable: 3 speed and Automatic mode               |
|                      | On-Unit Control   | One Touch & Auto Start upon power restoration      |
|                      | On-Unit Display   | Mode of Operation, Temperature                     |
|                      | Remote Control    | Wireless with LCD Display                          |
|                      | Filter            | Washable                                           |
| <b>Outdoor Unit:</b> | Compressor Type   | Rotary Dc inverter Technology                      |
|                      | Warranty          | 1 year                                             |
|                      | Condenser Fins    | Gold Fins Protected against corrosion or otherwise |

| <i>Description</i>       | <i>Feature</i>        | <i>Specified</i>                                                                |
|--------------------------|-----------------------|---------------------------------------------------------------------------------|
|                          | Casing                | Suitable for use in tropical climate                                            |
|                          | Mounting Brackets     | Hot dip galvanized                                                              |
|                          | Refrigerant Isolation | Valve                                                                           |
|                          | Refrigerant Type      | R410A/R32 environment friendly or Other CFC free and Ozone Friendly refrigerant |
|                          | Mounting              | Wall mounted on galvanised metal brackets                                       |
| <b>Power Requirement</b> | Phase                 | Single                                                                          |
|                          | Voltage               | 220-240 V 50 Hz                                                                 |
|                          | EER/ SEER             | $\geq 3 / \geq 6$                                                               |

**Table 3A Specification of Split Type Units****3.12.5 Notes on AC Installation:**

1. The position of the indoor/outdoor units may be subject to changes, if any, and this shall be considered by the bidder. Note that no variation will be accepted upon this item after award of this contract. The contractor has to liaise with the DCA before execution of work to finalise and confirm the exact position of the Air conditioning units.
2. Copies of leaflet containing technical data shall be attached to the bid offer as proof of compliance with specification.
3. Make and country of origin of the Air-Conditioner shall be specified in addition to the country of assembly.
4. Testing and commissioning shall be carried out by the contractor in the presence of two representatives from the client, one week after completion of installation works. The equipment has to operational for a minimum of one week (test run period) before the testing and commissioning exercise.

**3.12.6 Equipment Installation**

1. The Contractor shall have to undertake all the required electrical installations from the Air conditioners to the control switches. The electrical wiring and control wiring from the indoor unit to the outdoor unit shall be enclosed within a separate white trunking of suitable dimensions and securely fixed to the wall. The Contractor is expected to execute a very good trunking work by making use of any trunking accessories such as internal angle, end cap, junction and others.
2. All the refrigerant pipes (which be vapour sealed) shall be thermally insulated inside and outside the building and shall be enclosed within white trunkings of suitable dimension and the said trunkings shall be securely fixed to the wall. The Contractor shall be expected to execute a very good trunking work by making use of all required accompanying accessories. That is interior angle, exterior angle, end cap, joint, etc...
3. The Air-Conditioner shall be provided with suitable drainpipes, with sufficient slope for perfect drain. The drainpipes shall be leak proof and be securely fixed as and where required

on the wall inside and outside the building the drainpipes shall be brought to 200 mm from ground level or connected to the service drain of the building.

4. The Air-Conditioner shall be equipped with wireless remote control by means of which the Air-Conditioners may be switched on and off, the temperature and fan speed may be controlled and from which one may read the room, office temperature via a LCD display.
5. The Air-Conditioner shall be equipped with appropriate valves along the refrigerant pipes so as to allow isolating and separating the indoor unit from the outdoor unit without any loss of refrigerant.

### **3.12.7 Civil and Associated Works**

1. The installation of the Air-Conditioners necessitates civil works including painting and masonry works (drilling of a hole in order to pass the pipes) and/or modification of window panes/frames/metal work which shall be undertaken by the bidder. Any opening shall be properly sealed in order to avoid leakage or loss of cool air. All broken surfaces for installation of air conditioner must be made good by the Contractor including paint and decorative works.
2. Any supports, mounting brackets, etc. shall be supplied and installed by the Contractor. The outdoor unit of the Air-Conditioner shall be fixed on a reinforced concrete slab base if the unit is to be mounted on the roof. If the unit is to be mounted on wall, mounting brackets (to be hot dipped galvanised) shall be used.
3. All necessary plumbing works shall be included in the bid offer, and shall be undertaken by the Contractor.
4. Any support, ladder, scaffolding, tools, logistics and equipment required for installation must be provided by the Contractor. The contractor has to carry out masonry and associated civil works for:
  - i. Closure of the four existing openings (air vents) of dimensions 60cmx60cm and depth of 20 cm at both VSAT stations at Agalega and St Brandon; and
  - ii. two new openings, each of dimension 50 cm × 30 cm × 20 cm, in the existing concrete wall separating the technical room and battery room at both the VSAT stations of Agalega and St Brandon for circulation of air in the battery room. The first opening should be made at a height of approximately 1.25 metres above the ground level and the second opening at a height of approximately 2.0 metres above the ground level.

The bidder must take into consideration that the shelter houses communication equipment used for provision of air navigation services on behalf of the Republic of Mauritius and hence all precautionary measures must be taken during the civil works not to cause damage to the equipment, batteries and other systems/equipment housed in the shelter at the VSAT stations of Agalega and St Brandon. In case of damage to the equipment, the successful bidder/contractor shall refund the loss caused.

### **3.12.8 Specifications for Electrical Installation required for the air conditioners at the two VSAT Stations at Agalega and at St Brandon**

New Electrical installations have to be provided for all the Air Conditioning Equipment. This contract includes the supply, complete installation, and commissioning of 3 core copper cables enclosed in trunking, double pole switches, switchgears (MCB + RCD 2P 30 mA + 2P

Contactors, 24 Hour Timer), and distribution board inclusive of all civil works and according to SDB AC panel to the DP switches and to the AC units c/w wiring enclosed in trunkings. The Air Conditioner units shall be timer controlled to alternate their operation automatically at every twelve hours. In the event of failure of an AC unit, the second unit shall take over the operation continuously.

### **3.12.9 Tests on Air Conditioner Units after Completion**

The contractor shall ensure that each part of the installation is intrinsically safe and properly isolated. On completion of the installations, the bidder shall carry out tests in the presence of the client representatives.

The following tests shall be performed:

- |                    |                  |
|--------------------|------------------|
| ♦ Leak detection   | Ducting work     |
| ♦ Pressure test    | Noise level      |
| ♦ Temperature test | Humidity test    |
| ♦ Air balancing    | Amperage reading |

Arrangements for testing equipment shall be the responsibility of the contractor. Test and measuring equipment used shall be of good quality.

### **3.12.10 Warranty for Air Conditioner Units**

The contractor shall guarantee all work for a period of twelve months as from the date of successful commissioning.

During the maintenance period the contractor shall at his own expenses,

- ♦ Make good of all defects that arise, replace any parts that fail and show signs of weakness or undue wear in consequence of faulty design, workmanship or materials and other defects not related to normal wear
- ♦ Attend with diligence to any such defects that arise; to the satisfaction of the client.
- ♦ The warranty period shall be effective only as from the date of successful commissioning of the Air Conditioner

Free servicing on a semesterly basis shall be provided during the one-year guarantee period. Repair works to the equipment during one-year Guarantee/Maintenance period shall be completely free of charge and shall include spare parts, labour, gas charging, tools, transport, and any other items required. Semesterly servicing report must be submitted to the client.

## **3.13 Design Life**

A design life of twenty (20) years is required for the PV system and around eight (8) years for the Air Conditioner System. This does not necessarily mean that the works will no longer be fit for their purpose at the end of that period, or that they will continue to be serviceable for that length of time without adequate and regular inspection and maintenance.

### 3.14 Drawing Standard and Level of Details

All drawings prepared by the Contractor shall be in accordance with BS 308 and BS 1192 or other approved standards and the following procedures:

All drawings shall be to scale and fully detailed with a preferred maximum drawing size of A1. All critical/ important dimensions shall be given and the material of which each part is to be constructed shall be indicated.

All drawings shall bear a title block.

The Contractor shall devise and use a drawing numbering scheme which shall be specific to the project, and which shall cover all Contractor and subcontractor drawings.

All symbols used on all drawings, diagrams, etc., shall be detailed in an accompanying legend and shall be in accordance with an agreed International Standard.

The Contractor shall be responsible for any discrepancies, errors or omissions in the drawings and other particulars supplied by him.

Drawings and data sheets prepared by the Contractor shall include complete construction and installation details.

All drawings and documents prepared exclusively for the project shall become the property of the Employer.

Final drawing prints shall be size A1 or smaller. The drawings shall be readable. Copies of the final drawings shall be supplied as follows: -

- a) 3 x prints of each drawing on A1 format.
- b) 3 Soft Copies on 3 Nos. 32 GB pensticks on both autocad and pdf format.

### 3.15 Testing, Commissioning and Reliability Test of Electrical Plant and Other Equipment

- (i) Upon completion of the installation or part of the installation, the Contractor shall carry out and be responsible for testing and commissioning of all PV system, equipment and integral system in stages if required, to ensure that it is in proper working and capable of performing all of its functions to meet the Air Conditioner Loading and the running autonomy.
- (ii) Any equipment damaged during commissioning shall be replaced by new ones by the Contractor at its own expense and the plant, equipment or system concerned shall be retested and commissioned. No instruction or action of the Employer shall relieve the contractor of this responsibility.
- (iii) Following the successful commissioning of the PV kit, the Bidder shall notify its readiness to perform the startup & reliability testing of the solar PV installation.
- (iv) During the test period, the Solar PV kit shall be operated and maintained by the Employer under the supervision of the Contractor. This shall constitute a testing & training period to demonstrate whether the Sites conform to the requirements of this Contract. The test period shall consist of a startup and a reliability test as described below:
  - A start up and reliability period of at least 7 days (from commissioning date) with an outage of up to 24 hours (the cumulated hours of outages shall not exceed 24 hours) for the PV kit shall be allowed to cover for minor faults. If this outage period is exceeded, the test period shall be restarted.

- If the number of fault occurrences in that period exceeds 1 for the installation, the following shall be applicable:
  - Should any failure or interruption occur in any portion of the PV solar kit due to or arising from faulty design, materials, workmanship or to omissions or to incorrect erection sufficient to prevent safe and full commercial use of the PV installation, the reliability test shall be considered void, and the startup and reliability test periods shall re-commence after the Bidder has remedied the cause of defect.
- (v) A comprehensive test report on tests performed on the PV system and all the commissioning records shall be made available to the Employer when handing over the system. At the minimum, the following tests shall be performed:
- Insulation resistance test
  - Earth continuity check
  - Earth loop impedance
  - Earth resistance
  - Operation of protective devices
  - Polarity check
  - Open circuit voltage test
  - Short circuit current test
  - Peak power measurement of strings
- (vi) The Taking-Over Certificates shall be issued after satisfactory completion of all tests above. The issuing of any such certificate, however, shall not relieve the Contractor of any of his responsibilities in respect of any of the remedies provided under this contract in the event of the guarantees failing to be proved.

### 3.16 International Warranties and guarantees

Bidders shall ensure to have effectively secured all warranties provided by products and components manufacturers. The back-to-back warranties shall be transferred to the Employer at no cost immediately upon commissioning of each installation. Any failure in the provision, exercise and transfer of warranties shall be sufficient for forfeiting Performance Security provided by the Bidder to the Employer.

International warranties and guarantees shall be properly described in the Bid. The Employer, if required, shall request clarification on this item prior to the award of the Contract.

PV panels shall be guaranteed for at least 10 years.

### 3.17 Components Guarantees

The table below summarizes minimum guarantees for the main components:

**Table 4**

| Guarantees          | Minimum Requirements |
|---------------------|----------------------|
| PV panels           | Ten (10) years       |
| Mounting Structure  | Five (5) years       |
| Charge Controller   | Five (5) years       |
| Lithium Ion Battery | Eight (8) years      |

|                                                   |                |
|---------------------------------------------------|----------------|
| String Inverter                                   | Five (5) years |
| DC and AC components, cables, conduits and clamps | One (1) year   |
| Electrical protections and earthing system        | One (1) year   |

All warranties and guarantees shall start from completion date of the Contract.

The Supplier/Installer further warrants that the installations shall be free from defects arising from any act or omission of the Supplier/Installer or arising from design, materials, and workmanship, under normal use in the weather conditions prevailing in the Republic of Mauritius, as per the Conditions of Contract.

### 3.18 Labelling

All component of the system should be properly tagged and labelled to ensure easy operation and maintenance of the PV installation.

Up-to-date information must be fixed (on an A4 Fiberglass Board) at the inverter panel and shall include the following:

A fully descriptive electrical schematic diagram, within the PV setup, visible to Users.

Installer's details, beneficiary's details and that the system is owned by DCA and maintained by Bidder.

Safety procedures before electrical work is performed.

Maintenance plan for installation

Warning Notice that:

- "CONDUCTORS MAY REMAIN LIVE WHEN ISOLATOR IS OPEN"

Highlighting the risk of electrical shock shall be conspicuously displayed at the installation.

### 3.19 Training

**3.19.1** The bidder must include in the offer for provision of hands on and theoretical training to at least 10 technical staff who will maintain and repair the proposed system after the warranty period. Training shall also be provided to our officers for the proper usage of the supplied test gears/tools if same are procured under this contract.

**3.19.2** The training should be both theoretical and practical and should cover detailed fault finding procedures, repairs, maintenance and calibration for the equipment. The duration of the training should be clearly specified. The proposed training programme/syllabus shall be submitted with the bid.

**3.19.3** The training session should be carried out by a fully qualified engineer. Course notes (handouts) and documentation shall be provided during the training.

**3.19.4** Course notes and documentation shall be provided in both hard and soft copies. All courses shall use the English Language, involve theoretical and practical training on the equipment, demonstrate simulation of faults where possible, use documentation tailored to the proposed system to be installed at Agalega and St Brandon.

- 3.19.5** At the completion of each course, each trainee shall have:-
- (a) a full set of course notes in English (hard and soft copies);
  - (b) an overview of the complete system;
  - (c) a sound understanding of the system operation and functionality;
  - (d) knowledge of the functional design of the sub systems down to board level including alerts and fault indications within the system;
  - (e) proficiency in the operation of the system;
  - (f) different types of faults and remedial actions to be taken to resolve same;
  - (g) a detailed knowledge of any configurable parameters;
  - (h) detailed knowledge of how to perform preventative and corrective maintenance including:-
    - (i) checking performance parameters
    - (ii) interpreting fault conditions
    - (iii) selecting and applying maintenance aids such as fault finding procedures, test programs, monitoring, test equipment;
    - (iv) carrying out adjustments
    - (v) performing normal restoration of service.

At the end of the training, each participant shall be supplied with a Certificate of completion to certify that they have attended the course.

### **3.20 Maintenance of the Proposed System**

The bidder shall accompany the bid with a comprehensive technical document comprising of specifications, scope of services/works, checklists, Intervention Schedules for the proper maintenance and servicing of the proposed Photovoltaic System and allied installations/services and the Air Conditioner Units for the client during the defects liability period and after that **for a period of five (5) years post warranty**. A minimum of two visits per year shall be included. The bidder and eventual maintenance contractor shall have to include in the bid offer to undertake both the monitoring and the maintenance of the solar PV system and associated works including air conditioning system of the VSAT Station, cleaning of the PV panels, among others. The offer shall comprise labour, parts, consumables, cleaning agents, transport to site and other associated charges.

The client shall be submitted Technical & Monitoring Reports for the PV plant after each maintenance visit. Claim for the maintenance of the PV system during the post warranty period shall be entertained on a yearly basis or otherwise as may be agreed between Client and Maintenance Contractor.

### **3.21 Maintenance of the Air Conditioning Equipment**

### 3.21.1 Scope of Works

The scope of works comprises of the bi-annual maintenance and servicing of air conditioners and associated items, to be installed on site. Manufacturer's recommendations shall also be adhered to for all works to be carried out.

Moreover, inspection of defects, reporting, and all minor repair works also forms part of the scope of work of this Contract and shall be carried out by the Successful Bidder. During the Contract Period, corrective action shall be taken for any minor fault or defects which arise in the operation of the equipment.

On award of the Contract, the Contractor shall carry out a major maintenance and servicing (General Maintenance) and recommend any repairs required for faulty air conditioners. The Contractor shall subsequently carry out another servicing six-month after the first servicing.

The same sequence shall be repeated for maintenance and servicing in the following year

All works shall normally carried out during office hours or as otherwise agreed with Client Ministry.

The Contractor will be required to attend breakdowns, after notification.

### 3.21.2 Equipment: List of Air conditioners for servicing

| S.N | LOCATION                          | AC Annotation | CAPACITY | TYPE                                | QTY |
|-----|-----------------------------------|---------------|----------|-------------------------------------|-----|
| 1   | VSAT station at Agalega Island    | AC1           | 24,000   | Wall mounted Split Type DC Inverter | 1   |
| 2   | VSAT station at Agalega Island    | AC2           | 24,000   | Wall mounted Split Type DC Inverter | 1   |
| 3   | VSAT station at St Brandon Island | AC1           | 24,000   | Wall mounted Split Type DC Inverter | 1   |
| 4   | VSAT station at St Brandon Island | AC2           | 24,000   | Wall mounted Split Type DC Inverter | 1   |

### 3.21.3 Scope of works for General maintenance (1st servicing at the start of Post Warranty maintenance contract)

- Cleaning of air filters and grilles, and replace by new air filters as necessary
- Cleaning of drain pan and drain pipe
- Check drain pipe by pouring water into drain
- Thorough cleaning of evaporator and condenser coils with recommended chemicals
- For Window type air conditioners, it is imperative to remove the whole unit completely and carry out complete overhauling of the equipment
- Wash condenser and evaporator with pressure washer / use blower for indoor units of split type air conditioners
- Cleaning of blower wheel and blower casing

- Thorough cleaning of all parts of the unit
- Checking and recording of air exhaust temperature
- Brush and clean all rusty parts and apply rust protective primer and repaint where necessary including drain base
- Tightening / replacing of loose bolts and nuts on the units if necessary
- Checking and/or re-adjusting fan motor alignment
- Oiling and greasing of fans motor
- Testing/replacing of capacitors for fan motors and compressors
- Cleaning or renewing of contactors and relays
- Checking/Tightening of electrical terminals
- Test insulation of all motors
- Voltage and amperage recordings
- Check power supply when unit is operating
- High and low pressure recordings
- Check for refrigerant leaks and repair as required
- Re-adjusting refrigerant gas charge if necessary
- Checking overall performance of the units
- Check for abnormal noise and take remedial action
- Test and fine tune for optimum performance

#### **3.21.4 2nd Servicing (six-months after 1st servicing)**

- Clean/changing of air filters
- Clean drain pans and pipe
- Check all electrical connections and tighten where required.
- Check for abnormal noise and take remedial action
- Clean all part of unit and casings removing dust particles
- Voltage and amperage recordings
- Recording of high and low pressures
- Re-adjusting refrigerant gas charge if necessary, topping up of refrigerant as required
- Checking/recording of air exhaust temperature
- Checking overall performance of the unit

- Brush and clean all rusty parts and apply rust protective primer and repaint where necessary including drain base

### 5.22 General Notes

The price quoted shall include the following:

- i. All materials such as Electronic Cards, Refrigerants, copper tubings, Armaflex insulators, filters, lubricants, paint, anti-corrosion primer etc., required for the successful servicing and maintenance throughout the contract period.
- ii. Maintenance & Servicing works. A bi-annual maintenance and servicing will be carried out starting with the General maintenance first.
- iii. All Minor & major repair works inclusive of replacement faulty parts and consumables required. The Contractor should estimate an approximate number of times he will be called for minor works and materials he foresees will be required.
- iv. All Transport and labour charges for all servicing, maintenance and minor repair works including all interventions.
- v. Provision for scaffolding, tools, all logistics, and equipment for the maintenance and repair works.
  - Minor repairs for the purpose of this Contract is as follows:-
    - (i) Gas charging, topping up refrigerant
    - (ii) Repair of leaks and insulation (Armaflex)
    - (iii) Replacement of fuse
    - (iv) Replacement of electronic control card
    - (v) Replacement of capacitor
    - (vi) Replacement of overload relay
    - (vii) Replacement of ball bearing
    - (viii) Repair/replacement of piping
    - (ix) Repair fault/ broken drain pipes
  - For major repair works, a quotation must be submitted to the Client for approval. Upon approval, the work will be carried out to the satisfaction of the client. The quotation shall also include spare parts, transport and labour charges.
  - Major repairs for the purpose of this Contract is as follows:-
    - (i) Replacement of compressor,
    - (ii) Replacement of evaporator or condenser fan
  - The works shall be effected during normal working hours and the successful Bidder may be requested to attend to emergency interventions. The phone number of a contact person shall be given on award of the contract.
  - Breakdowns/faults shall be attended at the soonest possible upon notification.
  - All correspondences, claims and quotations shall be addressed to the Client.

- The successful Bidder shall submit a program of works for the Maintenance & Servicing of the Air Conditioner Units after the successful completion of Testing & Commissioning exercise.
- Payments for the maintenance contract of AC will be made on a yearly basis. Each invoice submitted must include a copy of all Technical Intervention Reports.

### 3.23 NOTES

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Site Visit</b>                        | Contractor can visit the site before bidding and ascertain the nature of the works, local conditions, site restriction, working space available, means of access, limitation and restrictions to access, risk of damage to adjacent properties, roads, etc.<br>All the costs and arrangements involved for carrying out the site visit shall be borne and done by the contractor. The department will provide administrative support if and where applicable. |
| <b>2. Area to be occupied by Contractor</b> | The area of the site which may be occupied by the Contractor for his use as storage shall be defined on the site by the Department Civil Aviation.                                                                                                                                                                                                                                                                                                            |
| <b>3. Removal of Debris</b>                 | The Contractor shall, upon completion of the works, at his own expense remove and clear away all plant, rubbish and unused materials and shall leave the whole of the site in a clean and tidy state to the satisfaction of the Client. He shall also remove all rubbish and dirt from the site as it accumulates.                                                                                                                                            |

## 4 SPECIFICATION & COMPLIANCE SHEET

---

Procurement Reference Number:      CAV QUO No. 05 of 2025 - 26

- G. [Bidders should complete columns C and D with the specification of the goods offered. Also state “comply” or “not comply” and give details of any non-compliance/deviation to the specification required. Attach detailed technical literature if required. Authorise the specification offered in the signature block below]***

| Item No. | Technical Specification Required                    | Compliance of Specification Offered | Details of Non-Compliance/ Deviation (if applicable) |
|----------|-----------------------------------------------------|-------------------------------------|------------------------------------------------------|
| A        | B                                                   | C                                   | D                                                    |
| 2        | Scope of Works                                      |                                     |                                                      |
| 2.1      | General                                             |                                     |                                                      |
| 2.1.1    | Language                                            |                                     |                                                      |
| 2.1.2    | Units of Measurement                                |                                     |                                                      |
| 2.1.3    | Transport and Handling                              |                                     |                                                      |
| 2.1.4    | Manuals and Handing Over of all Materials           |                                     |                                                      |
| 2.1.5    | Subcontractor's List                                |                                     |                                                      |
| 2.1.6    | Program of Works                                    |                                     |                                                      |
| 2.1.7    | Completion Period                                   |                                     |                                                      |
| 2.1.8    | Safety and Site Exigencies                          |                                     |                                                      |
| 2.1.9    | Engineering Studies                                 |                                     |                                                      |
| 2.1.10   | Standards                                           |                                     |                                                      |
| 2.2      | Climate and Site Location                           |                                     |                                                      |
| 2.3      | Low Voltage AC system nominal operating Parameters  |                                     |                                                      |
| 3        | Technical Specifications                            |                                     |                                                      |
| 3.1      | Types of Installation                               |                                     |                                                      |
| 3.2      | Stand Alone Solar PV System                         |                                     |                                                      |
| 3.3      | Solar Photovoltaic (PV) Modules                     |                                     |                                                      |
| 3.4      | Solar Array Foundation and Module Support Structure |                                     |                                                      |
| 3.5      | Solar Array                                         |                                     |                                                      |
| 3.6      | Charge Controller                                   |                                     |                                                      |
| 3.7      | Battery Pack                                        |                                     |                                                      |

|         |                                                                                                            |  |  |
|---------|------------------------------------------------------------------------------------------------------------|--|--|
| 3.8     | Inverter                                                                                                   |  |  |
| 3.9     | Real Time Monitoring System                                                                                |  |  |
| 3.10    | Cable, Fuses, Circuit Breakers, Connectors, Combiner Boxes, Distribution Boards, Earthing System           |  |  |
| 3.11    | Design Documentation                                                                                       |  |  |
| 3.12    | Split Type Air Conditioners                                                                                |  |  |
| 3.12.1  | Scope of Works for Air Conditioners                                                                        |  |  |
| 3.12.2  | Technical Specifications for Air Conditioners                                                              |  |  |
| 3.12.3  | Noise Level                                                                                                |  |  |
| 3.12.4  | Specification for Split Type Air Conditioners                                                              |  |  |
| 3.12.5  | Notes of AC Installation                                                                                   |  |  |
| 3.12.6  | Equipment Installation                                                                                     |  |  |
| 3.12.7  | Civil and Associated Works                                                                                 |  |  |
| 3.12.8  | Specifications for Electrical Installation required for the two VSAT Stations at Agalega and at St Brandon |  |  |
| 3.12.9  | Tests on Air Conditioner Units after Completion                                                            |  |  |
| 3.12.10 | Warranty for Air Conditioner Units                                                                         |  |  |
| 3.13    | Design Life                                                                                                |  |  |
| 3.14    | Drawing Standard and Level of Details                                                                      |  |  |
| 3.15    | Testing, Commissioning and Reliability Test of Electrical Plant and Other Equipment                        |  |  |
| 3.16    | International Warranties and guarantees                                                                    |  |  |
| 3.17    | Components Guarantees                                                                                      |  |  |
| 3.18    | Labelling                                                                                                  |  |  |
| 3.19    | Training                                                                                                   |  |  |
| 3.20    | Maintenance of the Proposed System                                                                         |  |  |
| 3.21    | Maintenance of the Air Conditioning Equipment                                                              |  |  |
| 3.22    | General Notes                                                                                              |  |  |

**Specification & Compliance Sheet Authorised By:**

|                                  |  |            |  |
|----------------------------------|--|------------|--|
| Name:                            |  | Signature: |  |
| Position:                        |  | Date:      |  |
| Authorised for and on behalf of: |  | Company    |  |

| <b>Component Guarantee</b> |                                                                                                                      |                                      |                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------|
| <b>SN</b>                  | <b>Component</b>                                                                                                     | <b>Minimum Warranty Requirements</b> | <b>Comply/Not comply</b> |
| 1.                         | PV panels                                                                                                            | Ten (10) years                       |                          |
| 2.                         | Mounting Structure                                                                                                   | Five (5) years                       |                          |
| 3.                         | Inverter                                                                                                             | Five (5) years                       |                          |
| 4.                         | Charge Controller                                                                                                    | Five (5) years                       |                          |
| 5.                         | Lithium Ion Battery pack                                                                                             | Eight (8) years                      |                          |
| 6.                         | DC and AC components, cables, conduits and clamps                                                                    | One (1) year                         |                          |
| 7.                         | Electrical protections and earthing system                                                                           | One (1) year                         |                          |
| 10.                        | Split Type Air Conditioner Unit with DC Inverter                                                                     | One (1) year                         |                          |
| 11.                        | Undertake a five years post warranty maintenance contract for the PV system, Battery Pack and Air Conditioning Units | Five (5) years                       |                          |

### Specifications and Compliance Sheet Authorized By:

|                                  |       |            |  |
|----------------------------------|-------|------------|--|
| Name:                            |       | Signature: |  |
| Position:                        | _____ | Date:      |  |
| Authorised for and on behalf of: |       | Company    |  |

## 5 SCHEDULE OF MATERIALS

Procurement Reference Number: \_\_\_\_\_

| Technical Specification Required |                                                                          | Make | Model | Country of Origin |
|----------------------------------|--------------------------------------------------------------------------|------|-------|-------------------|
| A                                | B                                                                        | C    | D     | E                 |
| 1.                               | PV Support Structures                                                    |      |       |                   |
| 2.                               | PV Modules                                                               |      |       |                   |
| 3.                               | DC cables                                                                |      |       |                   |
| 4.                               | DC Combiner box                                                          |      |       |                   |
| 5.                               | DC Connectors                                                            |      |       |                   |
| 6.                               | DC Disconnect/ load-break switches                                       |      |       |                   |
| 7.                               | LV Isolators                                                             |      |       |                   |
| 8.                               | Charge Controller                                                        |      |       |                   |
| 9.                               | Lithium Ion Battery pack                                                 |      |       |                   |
| 10.                              | Inverter                                                                 |      |       |                   |
| 11.                              | AC Cables                                                                |      |       |                   |
| 12.                              | Distribution boards complete with protective switchgears and accessories |      |       |                   |
| 13.                              | Miniature Circuit Breakers MCB                                           |      |       |                   |
| 14.                              | Residual Current Device RCD                                              |      |       |                   |
| 15.                              | Cable tray                                                               |      |       |                   |
| 16.                              | Galvanized steel conduit and associated accessories                      |      |       |                   |
| 17.                              | Real time monitoring system                                              |      |       |                   |
| 18.                              | Earthing system                                                          |      |       |                   |
| 19.                              | Production Meter                                                         |      |       |                   |

Schedule of Material Authorised By:

|       |  |            |  |
|-------|--|------------|--|
| Name: |  | Signature: |  |
|-------|--|------------|--|

|                                  |       |         |  |
|----------------------------------|-------|---------|--|
| Position:                        | <hr/> | Date:   |  |
| Authorised for and on behalf of: |       | Company |  |

## 6 Details on split type air conditioners

The bidder shall give below details on the air conditioners quoted for.

| <i>Description</i>                               | <i>Specified</i>                                                 | <i>Proposed</i> |
|--------------------------------------------------|------------------------------------------------------------------|-----------------|
| Capacity                                         | <b>24,000Btu/hr</b>                                              |                 |
| Type                                             | Split type                                                       |                 |
| Mounting                                         | Wall mounted                                                     |                 |
| Make of unit                                     | XXXXXXXXXX                                                       |                 |
| Model number of unit                             | XXXXXXXXXX                                                       |                 |
| Country of origin of unit                        | XXXXXXXXXX                                                       |                 |
| Guarantee on compressor                          | 1 Year                                                           |                 |
| Guarantee on electronic card                     | 1 Year                                                           |                 |
| Guarantee on spare parts                         | 1 Year                                                           |                 |
| Noise level at 1 m from unit @ Highest Fan Speed | As per Table 2                                                   |                 |
| Compressor type                                  | Rotary DC Inverter                                               |                 |
| Condenser fins                                   | Gold Fins Protected against corrosion or otherwise<br>To specify |                 |
| Brackets                                         | <b>Hot dip galvanised</b>                                        |                 |
| Phase/Voltage/ Current (Running)                 | 1Ø/220-240V–50Hz                                                 |                 |
| Refrigerant                                      | R410A/R32                                                        |                 |
| EER/ SEER                                        | ≥3/ ≥6                                                           |                 |

## 7.0 TERMS OF PAYMENT

7.1 DCA shall pay the contractor in accordance with the Payment Schedule (Clause 4.2) and Payment Schedule Milestone (Clause 4.3) upon receipt of an invoice from the successful contractor.

### 7.2 Payment Schedule

| Payment No. | Payment Schedule                                                                 | % Amount of Contract |
|-------------|----------------------------------------------------------------------------------|----------------------|
| 1           | Award of Contract                                                                | 10 %                 |
| 2           | Delivery, installation and commissioning of proposed system onsite at Agalega    | 40 %                 |
| 3           | Delivery, installation and commissioning of proposed system onsite at St Brandon | 40 %                 |
| 4           | Retention Fee                                                                    | 10 %                 |

### 7.3 Payment Schedule Milestone

| Payment No. | Project Milestone                                                                | Payment Period   |
|-------------|----------------------------------------------------------------------------------|------------------|
| 1           | Award of Contract                                                                | $T_0$            |
| 2           | Delivery, installation and commissioning of proposed system onsite at Agalega    | $T_0 + 24$ weeks |
| 3           | Delivery, installation and commissioning of proposed system onsite at St Brandon | $T_0 + 24$ weeks |
| 4           | Retention Fee                                                                    | $T_0 + 76$ weeks |

### 7.4 Advance Payment - 10%

An advance payment of 10% of the Total Contract Price shall be effected against submission of a bank guarantee equivalent to 10% of the contract price after the award of Contract.

### 7.5 Second Payment – 40%

40% of the Total Contract Price shall be paid against invoice after delivery, installation and commissioning of proposed system at VSAT Station of Agalega.

### 7.6 Third Payment – 40%

40% of the Total Contract Price shall be paid against invoice after delivery, installation and commissioning of proposed system at VSAT Station of St Brandon.

### 7.7 Fourth and Final Payment

Retention fee of 10% shall be paid against invoice after one year and attending to any remedial actions.

**7.8** Interest may be charged by the contractor for any late payment. The rate of interest applicable will be Legal Rate.

**7.9** The contractor shall submit to the client a Performance Security equivalent to 10% of total Contract Price and Bank Guarantee before the advance payment is made.

**7.10 Payment will be effected only if:**

- i. the payment schedule milestones have been met;
- ii. the works have been completed to the satisfaction of DCA; and
- iii. the original invoice representing the correct milestone is submitted.

## 8. Drawings

These Bidding Documents include *[insert “the following” or “no”]* drawings.

*[If documents shall be included, insert the following List of Drawings]*

| <b>List of Drawings</b> |                                 |                |
|-------------------------|---------------------------------|----------------|
| <b>Drawing Nr.</b>      | <b>Drawing Name</b>             | <b>Purpose</b> |
| 1                       | Layout of VSAT Station Building |                |
| 2                       | VSAT Station Agalega            |                |
| 3                       | VSAT Station St Brandon         |                |
| 4                       | Existing PV Mounting Structure  |                |
| 5                       | Pictures of Pedestals           |                |

## **9. Inspections and Tests**

The following inspections and tests shall be performed as detailed at Paragraphs 2.17, 3.12 and 3.15.

## **PART 3 - Contract**

## **Section VI. General Conditions of Contract**

The General Conditions of Contract (GCC) applicable for this procurement is available on the web site of the Procurement Policy Office [ppo.govmu.org](http://ppo.govmu.org) under (Ref: G/RFQ-GCC4/11-21)

## Section VII. Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

*[The Purchaser shall select/insert the appropriate wording using the samples below or other acceptable wording, and delete the text in italics]*

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GCC 1.1(h)</b>  | The Purchaser is: <b><i>Department of Civil Aviation</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>GCC 1.1 (m)</b> | The Project Sites are located at <b><i>Agalega and St Brandon.</i></b>                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>GCC 4.2 (a)</b> | The meaning of the trade terms shall be as prescribed by Incoterms.                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>GCC 4.2 (b)</b> | The version edition of Incoterms shall be Incoterms 2010.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>GCC 8.1</b>     | For <b><u>notices</u></b> , the Purchaser's address shall be:<br><br>The Director of Civil Aviation<br>Department of Civil Aviation<br>Sir Seewoosagur Ramgoolam International Airport<br>Plaine Magnien<br>Mauritius<br><br>Telephone: (230) 603 2000<br>Facsimile number: (230) 637 3164<br>Electronic mail address: civil-aviation@govmu.org                                                                                                                                  |
| <b>GCC 10.2</b>    | The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows:<br>In the case of a dispute between the Purchaser and a Supplier who is a national of Mauritius, the dispute shall be referred to adjudication or arbitration in accordance with the laws of Mauritius.                                                                                                                                                                      |
| <b>GCC 13.1</b>    | Details of Shipping and other Documents to be furnished by Suppliers are:<br>(i) One original invoice<br>(ii) Delivery Note;<br>(iii) Supplier's Warranty certificate covering all items supplied; and<br>(iv) Testing and Commissioning Certificate.                                                                                                                                                                                                                            |
| <b>GCC 15.1</b>    | The prices charged for the Goods supplied and the related Services performed shall not be adjustable.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>GCC 16.1</b>    | The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:<br>The Contract Price of Goods received shall be paid within twenty-one (21) working days of receipt of the Goods upon submission of an invoice (showing Purchaser's name; the Procurement Reference number, description of payment and total amount, signed in original, stamped or sealed with the company stamp/seal) supported by the Acceptance Certificate issued |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      | <p>by the Purchaser or commissioning certificate.</p> <p>In case the Supplier is a Small and Medium Enterprise, the Purchaser undertakes to effect payment after supply of the goods items to the satisfaction of the Purchaser within 14 days from date of invoice, and subject to the Supplier submitting all required documents.</p>                                                                 |
| <b>GCC 16.4 (b)</b>                  | Local Suppliers shall be paid in Mauritian Rupees only. The prices shall not be adjustable to fluctuation in the rate of exchange.                                                                                                                                                                                                                                                                      |
| <b>GCC 16.5</b>                      | <p>Interest shall be payable immediately after the due date for payment.</p> <p>The interest rate shall be the legal rate.</p>                                                                                                                                                                                                                                                                          |
| <b>GCC 18.1</b>                      | <p>A Performance Security <i>“shall” be required</i></p> <p><i>The amount of the Performance Security shall be: 10 % of the contract price.</i></p>                                                                                                                                                                                                                                                     |
| <b>GCC 18.3</b>                      | If required, the Performance Security shall be denominated in <i>Mauritian Rupees</i>                                                                                                                                                                                                                                                                                                                   |
| <b>GCC 18.4</b>                      | Discharge of the Performance Security shall take place: <i>as indicated in sub clause GCC 18.4</i>                                                                                                                                                                                                                                                                                                      |
| <b>GCC 24.1</b>                      | The insurance coverage shall be as specified in the Incoterms.                                                                                                                                                                                                                                                                                                                                          |
| <b>GCC 25.1</b>                      | <p>Responsibility for transportation of the Goods shall be as specified in the Incoterms.</p> <p><i>The Supplier is required under the Contract to transport the Goods to Agalega and St Brandon (project sites) and make necessary arrangements for the travel insurance and storage of same on the project sites. The related costs shall be included in the Contract Price.</i></p>                  |
| <b>GCC 26.1</b>                      | The inspections and tests shall be: <i>as detailed in Section V: Schedule of Requirements</i>                                                                                                                                                                                                                                                                                                           |
| <b>GCC 26.2</b>                      | The Inspections and tests shall be conducted at: <i>Agalega and St Brandon</i>                                                                                                                                                                                                                                                                                                                          |
| <b>GCC 27.1</b>                      | The maximum amount of liquidated damages shall be: 10 %                                                                                                                                                                                                                                                                                                                                                 |
| <b>GCC 28.3</b>                      | The period of validity of the Warranty shall be: <i>as specified in Section V: Schedule of Requirements.</i>                                                                                                                                                                                                                                                                                            |
| <b>GCC 28.5</b>                      | The period for repair or replacement during the warranty period shall be: 10 days. Given that Agalega and St Brandon are remote sites, in the event of fault or repair/replacement to be carried out, the bidder shall provide a solution within one week after reporting of same. However the replacement/repair by the supplied onsite in Agalega or St Brandon shall not exceed 6 weeks time period. |
| <b>Taxes and Duties</b>              | As regards VAT, if the supplier fails to quote separately for VAT in the Price Schedule of tender as instructed, his tendered price shall be deemed to be inclusive of VAT and no adjustment will be made to his price in respect thereof.                                                                                                                                                              |
| <b>Tax Deduction at Source (TDS)</b> | <p>TDS will be applicable as per Fifth Schedule of the Income Tax Act.</p> <p>Bidders may consult the Mauritius Revenue Authority (MRA) on Website: <a href="http://www.mra.mu">www.mra.mu</a></p>                                                                                                                                                                                                      |

## **Section VIII. Contract Forms**

### **Table of Forms**

|                                                    |             |
|----------------------------------------------------|-------------|
| <b>1. Contract Agreement .....</b>                 | <b>1054</b> |
| <b>2. Performance Security .....</b>               | <b>1076</b> |
| <b>3. Bank Guarantee for Advance Payment .....</b> | <b>1097</b> |

# 1. Contract Agreement

*[The successful Bidder shall fill in this form in accordance with the instructions indicated]*

THIS CONTRACT AGREEMENT is made

the [ insert: **number** ] day of [ insert: **month** ], [ insert: **year** ].

BETWEEN

- (1) [ insert complete name of Purchaser ], a [ insert description of type of legal entity, for example, an agency of the Ministry of .... of the Government of { Mauritius }, or company incorporated under the laws of {Mauritius} ] and having its principal place of business at [ insert address of Purchaser ] (hereinafter called “the Purchaser”), and
- (2) [ insert name of Supplier ], a company incorporated under the laws of [ insert: country of Supplier ] and having its principal place of business at [ insert: address of Supplier ] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and related services, viz., [insert brief description of Goods and Services] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency(ies) ] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
  - (a) This Contract Agreement
  - (b) Special Conditions of Contract
  - (c) General Conditions of Contract
  - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
  - (e) The Supplier’s Bid and original Price Schedules
  - (f) The Purchaser’s Notification of Award
  - (g) [Add here any other document(s)]

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Mauritius on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*  
in the capacity of *[ insert title or other appropriate designation ]*  
in the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*  
in the capacity of *[ insert title or other appropriate designation ]*  
in the presence of *[ insert identification of official witness]*

## 2. Performance Security

*[The bank/Insurance company, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]*

Date: *[insert date (as day, month, and year) of Bid Submission]*  
Procurement Reference No. and title: *[insert no. and title of bidding process]*

Bank/Insurance company's Branch or Office: *[insert complete name of Guarantor]*

**Beneficiary:** *[insert complete name of Purchaser]*

**PERFORMANCE GUARANTEE No.:** *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)<sup>6</sup> in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,<sup>7</sup> and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

---

<sup>6</sup> The Bank/Insurance company shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

<sup>7</sup> Dates established in accordance with Clause 18.4 of the General Conditions of Contract ("GCC"), taking into account any warranty obligations of the Supplier under Clause 16.2 of the GCC intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank/Insurance company. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

*[signatures of authorized representatives of the bank/Insurance company and the Supplier]*

### 3. Bank/Insurance Guarantee for Advance Payment

*[The bank/Insurance company, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]*

Date: *[insert date (as day, month, and year) of Bid Submission]*  
Procurement No. and title: *[insert number and title of bidding process]*

*[bank's letterhead]*

**Beneficiary:** *[insert legal name and address of Purchaser]*

**ADVANCE PAYMENT GUARANTEE No.:** *[insert Advance Payment Guarantee no.]*

We, *[insert legal name and address of bank/Insurance company]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered into contract with you - Contract No. *[insert number]* dated *[insert date of Agreement]* - for the supply of *[insert types of Goods to be delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance is to be made against an advance payment guarantee.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)<sup>8</sup> in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date<sup>9</sup>]*.

<sup>8</sup> The bank/Insurance company shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.

<sup>9</sup> Insert the Delivery date stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank/Insurance company. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months][one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."

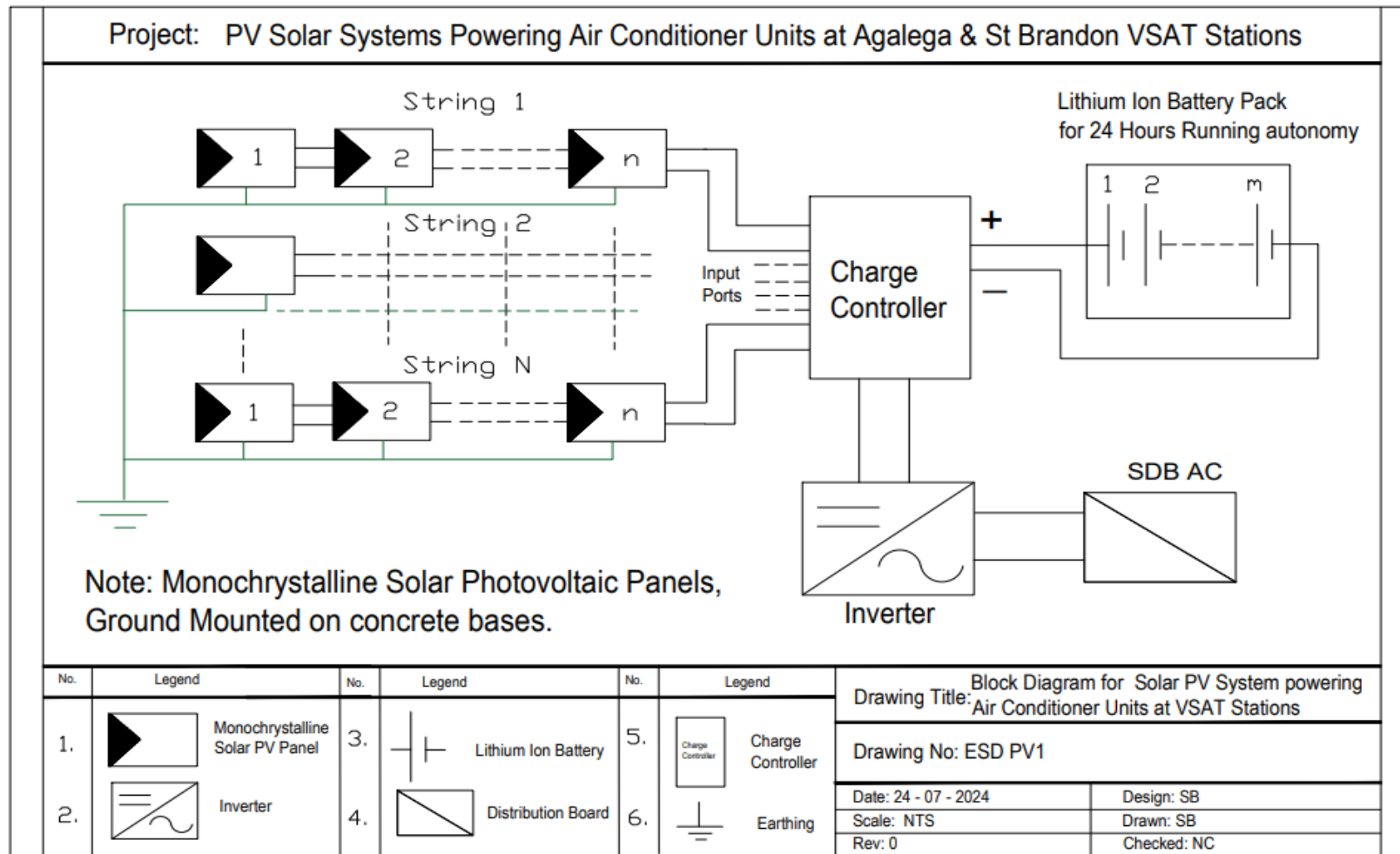
This Guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

---

*[signature(s) of authorized representative(s) of the bank/Insurance company]*

## ANNEX A

## TYPICAL BLOCK DIAGRAM OF PROPOSED STANDALONE SOLAR PV SYSTEM AT AGALEGA &amp; ST BRANDON STATIONS



**ANNEX B****TYPICAL SCHEMATIC LAYOUT**