

IRRIGATION AUTHORITY



BIDDING DOCUMENT FOR

- (i) Supply, Installation, Testing and Commissioning of One Centrifugal Surface Pumpset**
- (ii) Supply of a Spare Borehole Pumpset**

Procurement Reference No: OMD/PUMPSET/77/25

Irrigation Authority

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March 26

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Section 1: Section 1 - Instructions to Bidders

A. GENERAL

1. Introduction

The Irrigation Authority also referred as the Employer, invites eligible local contractors to submit their bid for the works described in detail hereunder. Any resulting contract shall be subject to the terms and conditions referred to in this document.

The Works consist mainly of the:

- a) **Supply, installation, testing and commissioning of one Centrifugal Surface Pumpset at Plaisance Pumping Station.**
- b) **Supply of a spare Borehole Pumpset.**

Participation is limited to citizens of Mauritius or entities incorporated in Mauritius. Joint Ventures should be among entities incorporated in Mauritius.

- 1.1 Clarifications, if any, should be addressed to:

***The General Manager
5th Floor, Fon Sing Building
12 Edith Cavell Street,
Port Louis
Tel: +230 210 6596
Fax: +230 212 7652
Email : irrig@irrig.org***

- 1.2 The Employer will respond in writing to any request for clarification, provided that such request is received 14 days prior to the deadline for submission of bids. The Employer shall respond to such request at latest 7 days prior to the deadline set for submission of bids
- 1.3 Bidders are advised to carefully read the complete Bidding document, including the Particular Conditions of Contract in Section IV, before preparing their bids. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

2. Validity of Bids

The bid validity period shall be **90 days** from the date of bid submission deadline.

3. Work Completion Period

The Intended Completion period is **150 calendar days** from the start date of works.

4. Site Visit

Bidders or their designated representatives are invited to attend a pre-bid meeting/site visit scheduled for **Friday 03 April 2026** at the Irrigation Authority Pumping Stations at Plaisance. Site visits will be done at Plaisance Pumping station.

The meeting point shall be on the Parking of King Savers Hyper Market at Beau-Vallon at **10.hr30**.
(Contact Number – 5776 7855)

The purpose of the pre-bid meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage by the Bidders.

5. Sealing and Marking of Bids

Bids should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to the Irrigation Authority with the Bidder's name at the back of the envelope.

6. Submission of Bids

Bids should be deposited in the Bid Box located at the Office of the Irrigation Authority, 5th Floor, Fon Sing Building, 12, Edith Cavell Street, Port Louis, Tel: +230- 2106596, Fax: +230- 212 7652 not later than **15hrs00 on Tuesday 28 April 2026**.

Bids by post or hand delivered should reach the above-mentioned address by the same date and time at latest. Late bids will be rejected. Bids received by e-mail will not be considered.

7. Bid Opening

Bids will be opened at the Office of the Irrigation Authority, 5th Floor, Fon Sing Building, 12, Edith Cavell Street, Port Louis on **Tuesday 28 April 2026 at 15hr15**. Bidders or their representatives may attend the Bid Opening if they choose to do so.

8. Evaluation of Bids

The Irrigation Authority shall have the right to request for clarification during evaluation. Offers that are substantially responsive shall be compared on the basis of evaluated cost to determine the lowest evaluated bid.

9. Eligibility Criteria

To be eligible to participate in this bidding exercise, Bidder should:

- (a) have the legal capacity to enter into a contract to execute the works;
- (b) be duly registered with the CIA under the grades that would allow him to perform the value of works for which he is submitting his bid. (Note 1)

- (c) not be insolvent, in receivership, bankrupt, subject to legal proceedings for any of these circumstances or in the process of being wound up;
- (d) not have had your business activities suspended;
- (e) not be 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 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;
- (f) not have a conflict of interest in relation to this procurement requirement; and
- (g) have a Business Registration Card.
- (h) For contract above Rs 1 Million, the enterprise should have an annual turnover of Construction, Mechanical or Electrical Works not less than 75% of the bid price in any one year of the last 3 years.
- (i) Where applicable, be duly registered with SME Mauritius under Micro or Small Enterprise.

Note 1 Sub-contractors undertaking works are also subject to registration with CIA as applicable to Contractors.

10. Qualification and Experience Criteria

Bidders should have the following minimum qualifications and experience:

- (a) valid registration certificates with the CIA under the grade that will enable the contractor to perform the works quoted for, under the following class(es): Civil Engineering Construction works or Building Construction works or Mechanical, Electrical and Plumbing Works (MEP Works).
- (b) experience in one work for the supply and installation of surface pumpset in a Pumping Station for the last 10 years, of value not less than **MUR 0.4 Million**;
- (c) Qualification and experience of Key personnel required for the Contract shall be:
 - (i) One Contract Manager (part time), holding at least a Degree in Mechanical or Electromechanical Engineering or Building Services Engineering works from a recognised institution. He shall have at least 5-year experience in Mechanical or Electromechanical engineering works or Building Services Engineering works and shall be registered with the Council of Registered Professional Engineer of Mauritius.
 - (ii) Site agent (full-time) holding at least a Diploma in Mechanical or Electromechanical engineering works or Building Services Engineering works from a recognized institution. He shall have at least 3-year experience in Mechanical or Electromechanical engineering works or Building Services Engineering works.
 - (iii) One foreman having at least 3 years of experience in pipe laying works, plumbing works and installation of water works.

- (iv) At least one qualified and experienced electrician having a minimum 3 years of experience related to installation of Electric Pumpset and electrical control panel.
- (d) minimum amount of liquid assets and/or credit facilities net of other contractual commitments of the Bidder of **MUR 1.5 Million**.

11. Content of Bid

The Bid shall comprise the following:

- (a) duly filled Bid Submission Form;
- (b) duly filled Priced Bill of Quantities/Activity Schedule;
- (c) duly filled Qualification Information Form and attachments required
- (d) duly filled Key Financial Information Form along with certified copies of Financial Statements or Audited Accounts as filed at the Registrar of Companies before the deadline set for submission of bids
- (e) Valid Registration certificates with the CIA, as applicable
- (f) Signed C.V of Contract Manager;
- (g) Documentary evidence of liquid assets and/or credit facilities (Note 1);
- (h) Any other documents deemed necessary as per the requirements of this bidding document

Note 1

Bidders to demonstrate access to, or availability of, financial resources such as liquid assets, lines of credit, and other financial means, other than any contractual advance payments to meet the overall cash flow requirements for the contract and its current commitments. Documentary evidence may comprise but not limited to Bank certificate, Certificate from Auditors, Certificate from a Professional Accountant registered with MIPA, Certificate from Insurance companies.

12. Joint Venture

Bids submitted by a joint venture of two or more firms as partners shall comply with the following requirements:

- i. the Bid shall include all the information required as per the Qualification Information form for each joint venture partner;
- ii. the Bid shall be signed so as to be legally binding on all partners;
- iii. the Bid shall include a copy of the agreement entered into by the joint venture partners defining the division of assignments to each partner and establishing that all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms; **alternatively**, a Letter of Intent to execute a joint venture agreement in the event of a

successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement;

- iv. one of the partners shall be nominated as being in charge, authorized to incur liabilities, and receive instructions for and on behalf of any and all partners of the joint venture; and
- v. the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.

13. Prices and Currency of Payment

Bidders should quote for the whole works. Prices for the execution of works shall be quoted and fixed in Mauritian Rupees. Items for which no rate or price is entered by Bidders, shall not be paid for by the Irrigation Authority when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

Bids shall cover all costs of labour, materials, equipment, overheads, profits and all associated costs for performing the works, and shall include all duties. The whole cost of performing the works shall be included in the items stated, and the cost of any incidental works shall be deemed to be included in the prices quoted.

Bidders are required to submit their bid prices **exclusive of VAT**.

14. Bid Securing Declaration

Bidders are required to subscribe to a Bid Securing Declaration in the Bid Submission Form.

15. Margin of Preference

Not applicable

15 A. Evaluation of Bids

If the lowest evaluated bid is seriously unbalanced or front loaded or if any item in the Bill of Quantities or Price Activity Schedule is front loaded or contains an erroneous amount in the opinion of the *Employer*, the *Employer* may require the Bidder to produce detailed price analysis for any or all items of the bid *to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After analysis of the prices the Employer may reject the bid or require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.*

16. Award of Contract

The Employer shall award the Contract to the lowest evaluated substantially responsive bidder.

The contract may be awarded at a negotiated price following negotiation in the following circumstances:

- (i) there is a tie in the lowest evaluated price by 2 or more bidders;
- (ii) the lowest evaluated price substantially exceeds the estimated cost.

Invitation for negotiation, where the lowest evaluated price substantially exceeds of the estimated cost, shall be limited to bidders whose evaluated prices are not more that 25% above the estimated cost.

Where there is a tie in the lowest evaluated price by 2 or more bidders, on completion of negotiations, the bidders shall be invited to submit their best and final offer.

Prior to award, the selected bidder will be required to submit a Certificate of Credit Worthiness from the Mauritius Credit Information Bureau (MCIB) in case the bid amount exceeds Rs 10 Million.

Award of contract shall be by issue of a Letter of Acceptance in accordance with terms and conditions contained in Section IV: General Conditions of Contract and Particular Conditions of Contract.

17. Performance Security and signing of contract

Within twenty-eight (28) days of the receipt of the Letter of Acceptance from the Employer, the successful Bidder shall furnish a Performance Security, in the amount equal to 10% of the Bid price (exclusive of VAT), in accordance with the conditions of contract, using for that purpose the Performance Security Form included in Section V Contract Forms.

The Contract Agreement shall be signed within 28 days after the successful bidder receives the Letter of Acceptance unless the parties agree otherwise.

Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the contract within the required time may constitute sufficient grounds for the annulment of the award.

18. Notification of Award and Debriefing

Prior to the expiration of the period of bid validity, the Employer shall, for contract amount above Rs 15 million, notify the selected bidder of the proposed award and accordingly notify unsuccessful bidders. Subject to Challenge and Appeal, the Employer shall notify the selected Bidder, in writing, by a Letter of Acceptance for award of contract. Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.

The Irrigation Authority shall after award of contract, exceeding Rs 1 million and up to Rs 15 million, promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount.

Furthermore, the Irrigation Authority shall attend to all requests for debriefing for contract exceeding Rs 1 million, made in writing within 30 days the unsuccessful bidders are informed of the award.

19. Advance Payment

The Irrigation Authority shall provide an Advance Payment on the Contract Price as stipulated in the General Conditions of Contract. The Advance Payment shall be guaranteed by an Advance Payment Security as per the format contained in Section V.

The Advance Payment shall be limited to **10%** percent of the Contract Price, less any provisional and contingencies sums.

20. Integrity Clause

The Irrigation Authority commits itself to take all measures necessary to prevent 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 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.

21. Rights of Public Body

The Irrigation Authority reserves the right to accept or reject any bid or to cancel the bidding process and reject all bids at any time prior to contract award without incurring any liability to the Irrigation Authority.

22. Challenge and Appeal

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.

(a) The address, Tel. & Fax No. & Email address to file Challenges in respect of this procurement is:

**The General Manager
5th Floor, Fon Sing Building
12 Edith Cavell Street,
Port Louis
Tel: +230 2106596
Fax: +230 212 7652
Email : irrig@irrig.org**

(b) The address to file Application for Review is:

**The Chairperson
Independent Review Panel,
5th Floor,
Belmont House**

Intendence Street
Port Louis
Tel : +230 2602228
Email: irp@govmu.org

Section 2: Section 2 - Bidding Forms

Note: Bidders are required to fill all the forms in this section and submit as part of their bid. Non-submission of any form may lead to rejection of the bid

Bid Submission Form

Date: _____

Bid's Reference No.: _____

Procurement Reference No.:.....

To: The Officer-In-Charge (Projects)
Irrigation Authority
5th, Floor, Fon Sing Building
12, Edith Cavell Street
Port Louis

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:
_____;
- (c) The total price of our Bid excluding VAT is: _____(MUR):
- (d) Our bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) We hereby confirm that we have read and understood the content of the Bid Securing Declaration attached hereto 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.
- (f) If our bid is accepted, we commit to obtain a Performance Security in accordance with the Bidding Document;
- (g) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 8;
- (h) We are not participating, as a Bidder in more than one bid in this bidding process;
- (i) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible under the laws of Mauritius;

(j) 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:

- i. We shall not, directly or through any other person or firm, offer, promise or give to any of the Public Body’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.

(k) 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;

(l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive; and

(m) If awarded the contract, the person named below shall act as Contractor’s Representative:

Name: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign
the Bid for and on
behalf of: _____

Date: _____

Seal of Company _____

Bid Securing Declaration

By subscribing to the undertaking in 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 Letter of Bid; 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 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.

Qualification Information

[The information to be filled in by bidders in the following pages shall be used for purposes of post-qualification or for verification of prequalification as provided for in ITB Clause 6. This information shall not be incorporated in the Contract. Attach additional pages as necessary. Pertinent sections of attached documents should be translated into English. If used for prequalification verification, the Bidder should fill in updated information only.]

Individual Bidders or Individual Members of Joint Ventures

1.1 Constitution or legal status of Bidder: *[attach copy]*

Place of registration: *[insert]*

Principal place of business: *[insert]*

1.2 Bidder shall provide *[insert number]* of works of a nature and amount similar to the Works performed as Contractor over the last 5 years.

Project/Contract name and country	Name of client and contact person	Type of work performed and year of completion	Value of contract (national currency)
(a)			
(b)			

1.3 Proposed subcontracts and firms involved. Refer to General Conditions of Contract Clause 7.

Sections of the Works	Value of subcontract	Subcontractor (name and address)	Experience in similar work
(a)			
(b)			

[Bidders have to ascertain that sub-contractors executing works are duly registered with the CIA in accordance with CIDB Act 2008.]

1.4 Name, address, and telephone, telex, and facsimile numbers of banks that may provide references if contacted by the Public Body.

2. Additional Requirements

2.1 Bidders should provide any additional information Requirements requested in the Bidding Document.

Financial Resources

Form FIN 3.3

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in Section III (Evaluation and Qualification Criteria).

Source of financing	Amount (MUR equivalent)
1.	
2.	
3.	
4.	

BID CHECKLIST**Procurement Reference No: OMD/PUMPSET/77/25**

S.N	Description	Attached (please tick if submitted)
1	Bid Submission form	
2	Priced Bill of quantities	
3	Specifications and Compliance sheet	
4	Bid Securing declaration	
5	Qualification Information	
6	Key Financial Information Form	
7	Financial Resources	
8	Programme of Works and weekly input of labour, plant and resources	
9	Origin of goods	
10	Proposed Methodology for effecting the works	

Bill of Quantities¹

Abbreviations:

B/F	:	brought forward
C/F	:	carried forward
Galv.	:	galvanised
c/w	:	complete with
prov.	:	provisional
PCV	:	pressure control valve
PRV	:	pressure relief valve
NRV	:	non-return valve
IA	:	Irrigation Authority
DN	:	Nominal Diameter
PN	:	Nominal Pressure
m	:	metre
mm	:	millimetre
Kg	:	kilogram
F/PE	:	flanged and plain end
D/F	:	double flanged
G. S	:	galvanised steel
E/O	:	Extra over

¹ In lump sum contracts, the "Bill of Quantities" is prepared for information; it is not contractual. The contractual document prepared by the Bidder shall be a "Schedule of Activities."

Preamble

1. General

- 1.1 The Conditions of Contract together with the Specifications and Drawings are to be read in conjunction with the Bill of Quantities and in so far as they have any bearing must be referred to for details of the description, quality, test and strength of materials to be used and the workmanship, conditions, obligations, liabilities and instructions generally which have to be complied with in carrying out the Contract.

The cost of complying with all the conditions, obligations and liabilities described in the Conditions of Contract and Specifications and carrying out the work as shown on the Drawings will be deemed to be spread over and included in the prices stated in the Bill of Quantities unless expressly the subject of a specific item.

- 1.2 Each item shall be priced and extended to the "Amount" column by the Contractor with the exception of the items for which a rate only is required or which already have Provisional Sums affixed thereto. Unless otherwise stated, all items shall be fully inclusive of all that is necessary to fulfil the liabilities, obligations and risks either expressly stated or implied arising out of the Contract and shall be deemed to include all of the following:

- i. Labour and all associated costs.
- ii. Materials, goods, plant and all associated costs.
- iii. Contractor's Equipment.
- iv. Temporary Works.
- v. Superintendence of the Works.
- vi. Establishment charges, overheads and profit.

If any item in the Bill of Quantities is not priced, the cost of the work for such item shall be deemed to be spread over and included in the rates and prices for other items of work. The Bill of Quantities has been divided into sections for convenience of measurement and pricing.

- 1.3 The rates and prices inserted by the Contractor are to be the full and inclusive value of the work described. They must include all plant, tools, materials, transport of men and materials, insurance and labour of every description. They must also take into account the conditions referred to in the General Conditions of Contract and other documents on which the tender is based, and include the time lost due to weather, payment of guaranteed minimum and holidays with pay. The cost of any travelling time, subsistence and incentives such as overtime, etc. must be included in the rates and prices. Where any special risks, liabilities and obligations mentioned above or otherwise, cannot be dealt with in the rates, then the price thereof is to be separately stated in an item or items provided for the purpose or added by the Contractor.
- 1.4 The cost of all temporary works required for the construction of the Works shall be deemed to be included in the Contractor's rates and prices listed in the BOQ. Other than the items

- provided in the BOQ, no additional payment or any claims for the cost of temporary works shall be allowed.
- 1.5 The rates and prices in the Bill of Quantities shall be deemed to include all obligations for the location, procurement and maintenance of adequate water and power supplies and shall be deemed to include for all costs in association therewith, unless expressly the subject of specific items.
 - 1.6 The quantities of work and material in the Bill of Quantities are not to be considered as limiting or extending the amount of work to be done and material to be supplied by the Contractor. The quantities of the Bill of Quantities are an estimate of the amount of work, but the work will be measured on completion and the Contractor will be paid on the actual measurement of work agreed by the Engineer.
 - 1.7 Descriptions given are brief references only and the Contractor is referred to the respective Clauses of the Conditions of Contract and the Specifications and to the Drawings for the full descriptions and instructions. The Clauses of the Conditions of Contract and of the Specifications will be equally binding as if they had been fully repeated in the Bill of Quantities and the Contractor must allow for this in his prices. Furthermore, the Clause numbers quoted herein are for reference only and are not guaranteed as comprising the whole of the relevant descriptions or instructions.
 - 1.8 Where alternatives are proposed for materials, plant or methods of construction, the original items scheduled in the Bill of Quantities shall be priced as described and the alternatives shall be priced separately.
 - 1.9 Where Specifications clauses or drawings are expressly stated in item descriptions, these items shall be deemed to include for all relevant items referred to in such clauses or on such drawings as well as all other relevant items specified in or reasonably implied in the Contract.
 - 1.10 "Ditto" shall mean the whole of the preceding description except as qualified in the description in which it occurs. Where it occurs in descriptions of succeeding items it shall mean the same as in the first description of the series in which it occurs except as qualified in the description concerned. Where it occurs in brackets it shall mean the whole of the preceding description which is contained within the appropriate brackets.
 - 1.11 The units of measurement described in the Bill of Quantities are metric units.
 - 1.12 All rates and sums of money quoted in the Bill of Quantities shall be in Mauritian Rupees.
 - 1.13 Arithmetic errors (if any) will be corrected by the Bid Evaluation Committee and such corrections shall be final and binding. Where a discrepancy exists between the unit rates in the "Rate" column and the extended total price in the "Amount" column, the unit rate shall be taken as correct and the amount adjusted accordingly.
 - 1.14 The Contractor shall be deemed to have visited the Site before preparing his Tender and to have examined for himself the conditions under which the work will proceed and all other matters affecting the carrying out of the Works and the costs thereof.

- 1.15 "Instructed", "directed" or "approved" shall mean the instruction, direction or approval of the Engineer in writing.
- 1.16 The Contractor shall not be automatically entitled to receive payment for any item for work that has not been carried out or on any items that are not used. Payment will be made only on the basis of re-measurement of work actually done.
- 1.17 The rate for the construction of temporary access roads through and around the site shall include for all costs incurred by the Contractor for providing and maintaining such access and for reinstatement of the area to its original condition.

2. Dayworks

- 2.1 The rates and the valuation of works ordered by the Engineer to be executed on a daywork basis shall be made in accordance with the following: -

Plant

- 2.2 Rates shall be inserted against all items of plant listed and the amount extended to the 'Amount' column.
- 2.3 Plant Daywork hire rates shall include all operating and maintenance costs including fuel, oil, grease, spare parts, repairs, insurance and all other costs whatsoever together with operators, superintendence, any extra costs of overtime, overhead charges, P&G and profit. The rates shall also include for travelling time and costs for the plant operators, etc., to and from and about the site.
- 2.4 Idle time where due solely to the nature of dayworks or authorised methods of procedure will be paid for at one half of the rates entered herein.
- 2.5 Hire rates shall be paid only for the time during which the plant is actually working on daywork as authorised by the Engineer. Plant hire rates shall not be paid for periods of breakdown, inefficiency or unsuitability of the plant.

Labour

- 2.6 Rates shall be inserted against all categories of labour listed and the amount extended to the 'Amount' column.
- 2.7 The Labour Daywork rates shall include the net hourly rate paid to the worker plus special allowances to such labour in respect of subsistence, bonuses, overtime, feeding, housing, gratuity, holidays, transport to or from the Site or any cost of overhead charges in respect of recruitment, camp administration, welfare, medical treatment, supervision, insurances, profit and any other costs or allowances.
- 2.8 The cost of supervisors, foremen and working gangers employed in a supervisory capacity only shall be included in the daywork rates and shall not be paid for separately. The rates shall cover for the supply, transport about the Site, use, maintenance and renewal of all hand tools and equipment available on site and used on Dayworks, such as wheelbarrows, spades, picks,

crowbars, hammers, ropes, chains, hooks, blocks, pulleys, scaffolding, timber putlogs, running planks, ladders, hand operated jacks, handpumps, lamps, timber runways or platforms, tarpaulins and all other like hand tools and general equipment not specifically referred to under the listed plant hire for Dayworks.

- 2.9 Where the Engineer orders work to be carried out on a Daywork basis outside the Site, necessary travelling time between site and such places of work shall be allowed as hours worked.
- 2.10 The cost of plant operators is included in the daywork plant hire rates and are not paid separately under labour dayworks.
- 2.11 The total amount from the extension of all labour items is a Provisional Sum.

Materials

- 2.12 Rates shall be inserted against all items for materials listed and the amount extended to the 'Amount' column.
- 2.13 The rates inserted are to include all loading, transport, unloading, storage, double handling, insurance, superintendence, overheads and profit.
- 2.14 The materials shall in all instances conform to the qualities and descriptions stated in the Specifications.

3. Provisional Sums

- 3.1 No item for which a Provisional Sum is inserted shall be purchased by the Contractor until the Project Manager has given written instructions to this effect and it shall be the duty of the Contractor to make an application to the Project Manager sufficiently in advance of the progress of the work for instructions with regard to each such items. The Contractor shall obtain competitive quotations and samples if required and shall submit these to the Project Manager for approval.
- 3.2 The Contractor shall produce to the Project Manager the receipted accounts for all articles purchased under Provisional. No payment to the Contractor shall be made in respect of the items until the said receipts have been presented to the Project Manager.
- 3.3 The Contractor shall enter the percentage mark up of corresponding items described as Provisional Sum.
- 3.4 Provisional sums inserted in the Bill of Quantities in respect of materials to be specially imported for the Contract by the Contractor shall be deemed to include insurance, freight, dock and all other charges. In the case of imported materials obtained through a manufacturer's agent in Mauritius the sum shall be deemed to include the agent's fees and charges.
- 3.5 The Bill of Quantities include items in respect of the Provisional Sums for materials and sub-contracts given in the form of a percentage of the sums to be expended to cover the

Contractor's profit and overheads, including but not limited to the costs of obtaining quotations for, and the placing of orders or awarding sub-contracts, and all expenses in connection with administering such orders or sub-contract and financing cost for payment of these sums until recovery from Interim Certificates.

- 3.6 Items described as Provisional Sum or Prov. Sum or Provisional in the column of Description or Unit of the Bill of Quantities shall be subject for approval from the Project Manager prior of executing the items of work. Such items may be used in whole or in part, or not at all as instructed by the Project Manager

4. Method Related Charges

- 4.1 In order that the Contractor may cover his costs in executing the whole of the Works in conformity with the contract documents, where those costs are not properly attributable to the quantity of permanent works to be executed, he may cover such costs in the Bills of Quantities as method related charges.

A Bidder may insert in the Bills of Quantities and in the space provided, such items for Method Related Charges as he may decide to cover items of work relating to his intended method of executing the works, the costs of which are not to be considered as proportional to the quantities, rates and prices for the other items.

Each item for a Method Related Charge inserted by the Tenderer shall be fully described so as to define precisely the extent of work covered and to identify the constructional resources (plant, equipment etc.) to be used and the particular items of permanent or temporary works to which the items relate.

Bill No. 1: General and Preliminary

Item No.	Description	Unit of Measure	Quantity	Rate (MUR)	Total Price (MUR)
1.1	<i>Method Related Charges</i> Mobilisation and demobilisation of plant and equipment for the whole duration of the work on site.	Sum	1		
1.2	Insurance.	Sum	1		
1.3	Guarantees.	Sum	1		
1.4	Supply of Progress Photographs	No.	30		
1.5	Supply of Operation and Maintenance manual.	Sum	1		
1.6	On-site training on operation and maintenance of Centrifugal Surface pump at Plaisance Pumping Station to Engineers, Divisional Irrigation Officer, Irrigation Officers and all the Pump Operators concerned prior to commissioning.	Sum	1		
	Sub Total to be transferred to Bill No. 1 of Summary of Price				

Bill No. 2: Supply, Installation, Testing and Commissioning of Centrifugal Surface pumpset to replace Pump No. 1 at Plaisance Pumping Station

Item	Description	Unit	Qty	Rate (MUR)	Amount (MUR)
2.0	Supply, Installation, Testing and Commissioning of Centrifugal Surface pumpset to replace Pump No. 1 at Plaisance Pumping Station				
2.1	Disconnect all electrical connections from the main electrical Control Panel to the pumpset which needs to be replaced.	Sum	1		
2.2	Disconnect pumpset No. 1 from the existing inlet and outlet pipeworks.	Sum	1		
2.3	Dismantle the old pumpset No. 1 and deliver same including all the unserviceable items to our store at Plaine des Papayes from the Plaisance pumping Station.	Sum.	1		
2.4	Perform electrical check and testing to the existing control panel, capacitor bank, lightning protection, power surge protection, dry running protection system, earthing system before connecting to the new pumpset. Report on the rehabilitation work which needs to be done, if any.	Sum.	1		
2.5	Supply, install, test and commission of 1 No. electric vertical type centrifugal surface pumpset of duty point 324 m ³ /hr at a total manometric head of 112 m, and of power rating 180 Kw or better, complete with electric motor as specified to replace Pump No. 1 at Plaisance Pumping Station. Bidder to include for all the transition pieces, pipe modification works, manometers, fittings and accessories.	No.	1		
	TOTAL C/F				

Item	Description	Unit	Qty	Rate (MUR)	Amount (MUR)
Total B/F					
2.6	All associated civil and metal fabrication works to be undertaken during the installation of pump, such as refurbishment and casting of concrete support block, demolition of thrust block and upgrading work on the floor of the pump room to accommodate the new pumpset.	Sum	1		
2.7	Supply the following spare parts as specified for the pumpset: (i) Impeller (ii) Soft Packing (iii) Gasket Kit and O-Rings (iv) Neck Ring (if applicable) (v) Bearing (DE/NDE) for Pump (vi) Bearing (DE/NDE) for Motor	No. Roll Set. No. Set. Set.	1 1 2 1 2 2		
2.8	Remove the existing defective foot-valve and supply and install a new one of PN 16 rating and of dia. 250mm to replace the existing old one. (Installation to include all the necessary modification, welding and metal fabrication works)	Lot.	1		
2.9	Supply a new Foot valve PN 16 and DN 250 as spare.	No.	1		
2.10	Provision for replacement of existing defective gate valve, non-return, bellow-couplings, flanged adaptors, etc..	Prov. Sum			150,000
Sub Total to be transferred to Bill No. 2 of Summary of Price					

Bill No. 3: Supply of borehole pumpset for Palma BH 436 Pumping Station

Item No.	Description	Unit of Measure	Quantity	Rate (MUR)	Total Price (MUR)
3.0	SUPPLY OF BOREHOLE PUMPSET FOR PALMA BH 436 PUMPING STATION				
3.1	<p>Supply and delivery of a new borehole Pumpset as per specifications to be kept as spare pump for Palma BH 436 Pumping Station.</p> <p>Duty point: 245 m³/h at 105m, and power rating 92 Kw or better.</p> <p>Delivery should be done at IA's store at Plaines de Papayes.</p> <p>(Pump to be supplied complete with unjointed 55m long electrical cable and 3 Nos water level electrodes complete with 3 core, 55m long (1.5 mm²/core) appropriate electrical cable)</p> <p>Water Level Electrodes should be suitable for installation in borehole for dry running protection. (Probes to be of such size that it can pass through a 25mm diameter PVC sleeve)</p>	Sum	1		
	Sub Total to be transferred to Bill No. 3 of Summary of Price				

- (i) **Supply, Installation, Testing and Commissioning of One Centrifugal Surface Pumpset**
- (ii) **Supply of a Spare Borehole Pumpset**

PROCUREMENT REFERENCE NO: OMD/PUMPSET/77/25

SUMMARY OF PRICE

BILL NO.	DESCRIPTION	AMOUNT (MUR)
1	GENERAL AND PRELIMINARY	
2	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF CENTRIFUGAL SURFACE PUMPSET TO REPLACE PUMP NO. 1 AT PLAISANCE PUMPING STATION.	
3	SUPPLY OF BOREHOLE PUMPSET FOR PALMA BH 436 PUMPING STATION	
SUB- TOTAL		
ADD 15% VAT		
ADD CONTINGENCY		200,000.00
GRAND TOTAL, MUR (INCLUDING VAT AND CONTINGENCY)		

Priced Activity Schedule Authorised By:

NAME:

POSITION:

SIGNATURE:

DATE:

NAME OF COMPANY:

ADDRESS OF COMPANY:
.....

COMPANY SEAL:

Section 3: Section 3 - Employer's Requirements

A. SCOPE OF WORKS, SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

3.1 General description

3.1.1 Plaisance Small Scale Irrigation Project

The Plaisance (N) SSIP was implemented in the year 1982 and is situated on state lands found in the north of Plaisance Airport. The project area is 65 ha whereby irrigation facility is being provided to some 130 planters over an area of 56.5 ha and the rest is being occupied by FAREI (1.3ha) and MOAIFS (7.2ha).

The 130 planters are regrouped under the Plaisance (N) Water Users Multipurpose Cooperative Society, which is responsible for the day to day running of the project.

The project is served with irrigation via two electric pumpset, operating on a duty and standby mode, installed in a pumping station located on the bank of River La Chaux.

The irrigation system is a low-pressure sprinkler and three hours of irrigation are being provided to the beneficiaries on a daily basis from Monday to Saturday.

The two pumpset are of the vertical type and the make and duty points are as stated below:

- (i) Pump No.1 - Make: Kirloskar, Duty Point: 324 m³/hr @ 112m head, 180 kW - (installed in 2014)
- (ii) Pump No.2 - Make: Kirloskar, Duty Point: 324 m³/hr @ 107 head, 160 kW - (installed in 2005)

Pump No. 1 shall be replaced under this procurement exercise, as it has experienced severe mechanical damage at the level of the impeller and suction casing.

3.1.2 Palma Small Scale Irrigation Project

The Palma SSIP constitutes of a total area of about 63 Hectares of private land irrigated using a low pressure semi solid set sprinkler system. The infield laterals are laid along the ground surface and connected to the hydrant unit.

Water is pumped from 3 boreholes, namely Palma borehole BH 433, BH 436 and BH 1234 respectively using submersible pumpsets.

The three boreholes are situated at a distance of about 650m to each other.

The purpose of this procurement is to procure a submersible pump to be kept as standby for Palma borehole BH 436.

The pumpset characteristic for borehole BH 436 is 245 m³/h at 105m.

3.2 Scope of Works

The works under this procurement exercise shall consist of, inter alia:

- (i) Disconnection of the electrical cables to Pumpset No. 1 at Plaisance Pumping Station from the main supply.
- (ii) Dismantling of the existing old pumpset No. 1 at Plaisance Pumping Station.
- (iii) Delivery of all dismantled and unserviceable parts to our store yard at Plaine des Papayes.
- (iv) Supply, install, test and commissioning of a new centrifugal surface pumpset (vertical type) of duty point 324 m³/hr @112m head, 180 kW or better at Plaisance Pumping Station.
- (v) Supply, install, test and commissioning of a new foot-valve DN 250 in the inlet sump.
- (vi) Supply and delivery of a new foot-valve DN 250 to be kept as spare.
- (vii) Supply of a new borehole pumpset of duty point 245 m³/h at 105m, 92 kW or better to be kept as spare.
- (viii) Submit 2 set hard copies and 1 set soft copy of O&M manuals.
- (ix) Provide training on operation and maintenance of the surface centrifugal pumpset.

The intended completion period shall be **One Hundred and Fifty (150) calendar days** from the Start Date.

The whole of the works shall be carried out in strict accordance with the Drawings, Scope of Works, Statement of requirement; and Conditions of Contract.

3.3 Specifications

3.3.1 Specification for Centrifugal Surface Pumpset at Plaisance Pumping Station

The pumpset to be supplied, installed, tested and commissioned shall have a best operating duty point of 324 m³/hr @112m head, with 180 kW power rating or better (Vertical type)

The pumpset shall draw in water from the sump constructed on the bank of the rivers through a suction pipe arrangement connected to a foot-valve and strainer assembly.

The pumpset shall be installed inside an existing pumping station.

The diameter of the existing suction pipe and the delivery pipes are as follows:

S.n	Pump	Pumping Station	Suction Pipe Dia. (mm)	Delivery Pipe Dia. (mm)
1	Pump No. 1	Plaisance	250	200

General Description of Surface Pumpset

The Bidder shall propose pumpset which is suitable for operation with the existing suction and outlet pipes arrangement.

The pumpset shall consist separately of 1 No. pump and 1 No. electric motor mounted on a common base-plate fitted with anti-vibration pad and their shafts connected together by a flexible coupling, so as to ensure that no vibration is transmitted from either unit to the other. This flexible coupling as well as the shafts of the pump and motor shall be covered with a proper shaft guard to ensure protection to pump operators and to other maintenance personnel.

The pumpset shall be fitted with renewable **neck ring** and with soft packing.

The pumpset shall be centrifugal and shall be of the single stage split casing type with flanged inlet and outlet so as to match the existing pipes and fitting arrangement on sites. The pumpset to be supplied for the Plaisance Pumping Station shall be of the **Vertical** type.

The pump shall have high reliability and be quiet while in operation. Inlet/outlet ports of pumps shall be compatible with the existing diameter of suction and delivery pipes respectively. The whole unit shall be self-priming and priming maintained after pump shut down. Appropriate bellow couplings and anti-vibration pads shall be provided in the installation.

The impeller shall be hydraulically thrust compensated and dynamically balanced. The impeller material for each pumpset shall be made **from stainless steel AISI 316 or of higher grade**.

The pump shaft shall be of **high tensile steel or a suitable stainless-steel grade**. The diameter shall be such as to keep distortion within acceptable limits.

The base plate assembly of the motor-pump unit shall be rigid and, if of welded construction, shall be stress-relieved. Substantial lugs fitted with jacking screws shall be provided for adjusting the alignment of the motor, shaft and pump assembly.

The pump casing shall be constructed of close-grained cast iron, with ribbing as necessary to ensure adequate strength and rigidity. **Tests performed on each pump at manufacturing and assembly**

stage shall include pressure testing of the casing up to 1.5 times the closed valve pressure developed by the pump for a minimum period of five (5) minutes.

The pump shall be designed to facilitate maintenance and hand holes shall be provided where appropriate to allow **inspection of all internal parts**. It shall be possible to inspect bearings and seals without dismantling of the pump.

The bearing housing shall be manufactured from close-grained iron and lubrication of bearings shall be done with either oil or grease. **Bearings shall be of anti-friction type designed for at least 62,000 hours of operation.**

Where bearing lubrication is done by oil, appropriate means for filling and draining the oil shall be provided with a suitable means of level measurement.

Where bearing lubrication is done by grease, the filling shall be done through steel grease nipples and same shall be covered with a plastic/rubber cap.

A combined vacuum/pressure gauge shall be fitted to the suction port of the pump and a pressure gauge on the delivery port. The gauges shall be of glycerine type and shall be calibrated in bars.

In order to avoid priming and cavitation problems, the NPSH (required) of the pump should be such that it is less than or equal to the NPSH (available) on site. The NPSH of the pumpset shall be chosen accordingly.

Performance and Characteristics Curves

The characteristic curves of the pump together with the NPSH curve, power curve and efficiency curve shall be provided by the Bidder at the time of Bidding, with a clear indication of duty range and the various conditions of operation. The pump efficiency at duty point shall be as close as possible to the best efficiency point (BEP) for the pump as indicated by the manufacturer. The following curves as a function of discharge shall be submitted and shall extend from zero flow to **130 % of duty flow**:

- a) Delivery Head,
- b) Efficiency, and
- c) Power input

The pump shall have head-delivery curves which rise continuously and monotonously to shut off. The pump shall be capable of operating under closed-valve conditions in the delivery mains for a minimum duration of five (5) minutes. **A flat pump curve would be preferred.**

Dry running of pumpset shall be controlled by means of appropriate water level electrodes or level float switches of the non-mercury type, installed in the river.

Performance Tests of Pump

Guaranteed efficiency is required at the duty point. The combined Pump and Motor efficiencies shall be achieved through performance tests in conformity with **BS EN ISO 9906:2012**. **At Evaluation Stage**, consideration will be given to the **energy consumption by the electrical motor of the pump at required head** in the analysis of the offers.

3.3.1.1 Electric Motors

The electrical motor shall comply in all respect with the relevant parts of **BS EN 60034-1:2010**, **BS EN 60034-30-1:2014** or latest equivalent ISO Standard. The electrical motor shall be of **IE3 (High efficiency) class or higher**. The test methods and results of the efficiency values as defined in BS EN 60034-30-1: 2014 shall be **submitted at the bidding stage**.

The motor shall be fed by a **three-phase power supply of 400 V / 50 Hz**.

The motor shall be totally enclosed, air cooled, squirrel-cage type designed for **Auto-transformer/Star-Delta starting/VSD/soft-starter**. It shall be designed for 24 hours operation with frequent starts (min. 8 starts per hour) required when the pump is in normal operation.

The electrical insulation shall be to **BS EN 60085:2008, Class F** or latest equivalent standard. **The Bidder shall also submit full details of the methods being proposed to ensure adequate cooling of the motors at all times.**

The motor shall be fitted with locating type bearings and/or heavy-duty type thrust bearings at the non-drive end and roller type bearings at the drive end according to the type of motor offered, but all bearings shall be of adequate proportions and designs suitable for the particular application, and shall have ample capacity to allow the pump to operate for short periods with discharge valve closed. For lubrication by grease, the filling shall be done through steel grease nipples and same shall be covered with a plastic/rubber cap.

Motors of power rating greater or equal to 10 kW shall be fitted with **Temperature Sensitive Thermistor** embedded in the motor to control a winding over-temperature relay mounted in the control panel. The motor shall have **at least one (1) thermistor for alarm and shutdown**. A winding over-temperature relay shall be provided with each pump set.

The pump input (shaft) power shall not overload the motor at any point on the pump performance characteristic curve and the pump operating range, within the limits of stable pump operation, as recommended by the manufacturer.

The motor shall be capable of delivering a **minimum of 10% and up to a maximum of 36% in excess of the maximum power absorbed** when the pump is operating against the specified duty head.

The motor shall be built of **high-grade components and materials** in accordance with the best practice for round the clock water pumping.

The power factor of the motor shall not be less than 0.8 at the duty points.

The motor shall be supplied with the following accessories: -

- (i) The necessary fixture accessories
- (ii) Lifting rings for motors weighing over 50 kg
- (iii) A name plate indicating the type of connections
- (iv) Over temperature protection by thermostatic trip out contacts

3.3.1.2 Spare parts for Centrifugal Surface Pumpset

The Contractor shall supply all the necessary manufacturer's recommended spare parts for two years normal duty and shall quote for such items as listed in the Bill of Quantities: The spare parts to be supplied shall include the following as listed below:-

Item No.	Description	Quantity (Unit)
1	Impeller	1 No.
2	Soft packing	1 roll
3	Gasket Kit and O-ring	2 Sets
4	Neck Ring (if applicable)	1 No.
5	Bearing (DE/NDE) for Pump	2 Sets
6	Bearing (DE/NDE) for Motor	2 Sets

Any additional spare parts as recommended by the pump set manufacturer for two years of operation shall also be provided by the bidder. Any special tool required for dismantling of pump units proposed shall be quoted as an option in the offer.

Technical details and documents to be submitted at Bidding Stage

The Bidder shall provide the following technical details **at the bidding stage**:

- Pump and Motor Performance and Characteristic Curves of each pump set
- Motor make, Nominal Speed (rpm), rating, manufacturer and country of origin
- Details of motor electrical rating, starting and full load current under rated voltage and efficiency at duty point.
- Pump make, manufacturer and country of origin
- Dimensions and weight of each unit
- Foundation details (for centrifugal surface pump)
- Manufacturer's name, addresses, contact persons, email address, fax no.

3.3.2 Specifications of Borehole Pumpset at Palma BH 436 Pumping Station

Borehole Pumpset

- 1) Duty 245 m³/h at 105m head with 92 kW power rating or better.
- 2) To fit into an existing borehole BH 436 at Palma with PVC casing of internal diameter 300 mm.
- 3) Motor diameter shall preferably be 200mm and pump diameter 170 mm.
- 4) Pump to be centrifugal and multistage.
- 5) Electrical motor shall be suitable to be fed by a 400± 10% V, 50Hz, 3-phase auto-transformer/ Variable Speed Drive/ soft-starter rating 132 KW.
- 6) The pumpset shall be supplied with unjointed 55 m long 3-core electrical cables of appropriate size for connection to an auto-transformer/Variable Speed Drive/Soft-starter of rating 132 KW starter panel.
- 7) The motor shall be of the squirrel cage type and shall be equipped with thermistor for over temperature protection.
- 8) Power rating shall be 92 kW or better.
- 9) Shall be supplied with 3 Nos water level electrodes complete with appropriate electrical cables.

- 10) The pump outlet shall be socketed with BSP type thread to receive our existing 6" diameter galvanised riser pipes.
- 11) The pumpset shall be supplied with an in-built non-return valve.
- 12) The Successful Bidder shall have the submersible pumpset factory tested to check if it meets its duty point and the original duly-signed test sheet and pump curve shall be provided at time of delivery for verification.
- 13) Insulation resistance and continuity tests shall be performed on the motor windings on delivery and the results shall be compared with manufacturer's test report

Materials of Construction

- 1) The pump casing shall be of stainless steel or best quality zinc-free bronze/cast iron carefully machined and provided with spigots or dowels to ensure correct alignment of the various parts during assembly. All other components used in the assembly of the unit shall be manufactured from stainless steel or any other acceptable material.
- 2) Impellers shall be manufactured in stainless steel or zinc-free bronze and be securely fixed to the pump shaft using keys and keyways. Individual impellers shall be statically and dynamically balanced.
- 3) The inlet-strainer shall be tough, corrosion resistant and made of stainless steel.
- 4) The motor casing shall be in either cast iron or stainless-steel tube with bearing housing of zinc-free bronze.
- 5) The motor shaft shall be high tensile stainless steel fitted with stainless steel sleeves running in bronze/rubber bearing bushes.

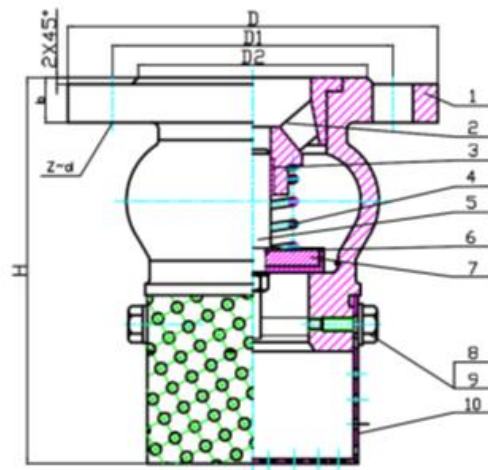
Power Cables

- 1) The power cables shall be EPR insulated, Niplas Sheathed, flexible cable 600 / 1000 V grade, with tinned annealed copper conductors in accordance with BS 6007.
- 2) The cable shall be 3-core submersible power cables for auto-transformer/ Variable Speed Drive starting and shall be appropriately rated for the required power rating of the motor and for the required power cable length.
- 3) The cable shall be brought directly out of the submersible motor in unjointed runs.

3.3.3 Foot Valve

Specifications	
Size	DN 250
Pressure rating	16 Bar
Connection type	Flanged
Type	Spring Loaded
Material of Construction	As shown below

A layout of the foot valve is shown below together with parts list.



No	Part No.	Material
1	Body	DI
2	Bonnet	DI
3	Bonnet	DI
4	Spring	Stainless Steel
5	Guiding Stem	Stainless Steel
6	O-ring	EPDM
7	Disc	DI with EPDM
8	Nut	Stainless Steel
9	Washer	Stainless Steel
10	Bottom Screen	Stainless Steel

3.3.4 Testing and Commissioning

The Contractor shall provide the methodology for testing of the surface centrifugal pump to be installed at Plaisance Pumping Station.

Upon approval of the methodology, testing of the surface centrifugal pump shall be performed and same approved by the Project Manager. All test results shall be included in the Operation and Maintenance Manual.

Commissioning of the whole works shall be done prior to issue of Taking Over Certificate.

3.3.5 Maintenance During Guarantee Period

The bidder shall carry out all necessary maintenance on the installations during the guarantee period. This shall include regular visits to ascertain the proper operation of the pumping station, attendance to breakdowns and replacement of parts as necessary.

3.3.6 Operation and Maintenance Manuals

Two (2) sets hardcopy and One (1) set soft copy of Installation, Operation, Maintenance and Workshop manuals complete with spare parts catalogues shall be supplied for the pump.

The workshop manual shall include dismantling and assembly procedure of the pump.

The spare parts catalogue shall comprise of the reference of all the spares with exploded view of the equipment and parts.

A test report for the pumpset from the manufacturer shall be submitted to the Irrigation Authority upon delivery of the pumps on sites. Insulation resistance and continuity tests shall be performed on the motor windings on delivery and the results shall be compared with manufacturer's test report

3.3.7 Warranty

The Bidder shall warrant that the equipment and accessories supplied under the Contract are brand new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Bidder shall further warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except insofar as the design or material is required by the Public Body's Specifications)

or from any act or omission of the Bidder, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination.

This warranty shall remain valid for **twelve (12) months** after the equipment and accessories have been commissioned by the Successful Bidder and accepted by the Public Body.

The Public Body shall promptly notify the Successful Bidder in writing of any claims arising under this warranty period.

Upon receipt of such notice, the successful Bidder shall, within a maximum delay of two weeks, repair or replace the defective equipment and accessories or parts thereof, without costs to the Public Body other than, where applicable, the cost of inland delivery of the repaired or replaced equipment and accessories or parts from the port of entry to the final destination.

If the successful Bidder, having been notified, fails to remedy the defect(s) within a maximum delay of two weeks, the Public Body may proceed to take such remedial action as may be necessary, at the Successful Bidder's risk and expense and without prejudice to any other rights which the Public Body may have against the successful Bidder under the Contract.

3.3.8 Drawings of the works

All the Drawings of the Works are attached herewith in the Bidding Documents. It shall be the responsibility of the Bidder to check any information therein prior to submitting his bid and to start of works. Any modifications or assumptions made on these drawings shall be notified by the Bidder in the separate memorandum.

The Bidder shall submit with his bid any additional drawings which he has used for pricing his bid.

As-built drawings shall be supplied as specified hereinafter.

3.3.9 Details of existing pipelines, CEB lines and other infrastructures

The Contractor shall verify the presence of pipelines, electric cables, underground structures and other infrastructures prior to execution of works within immediate surroundings to the site, and execute works without disturbing and damaging any of these features. Any disturbance caused to such infrastructures shall be immediately notified to the Project Manager.

Prior to excavations, the Contractor shall dig out the number of trial pits he judges necessary for exact identification of location and depth of the existing buried pipes. He shall submit to the Project Manager for approval of a methodology for excavation so as not to disturb or damage the existing components, prior to execute work.

3.3.10 Programme of the works

- a. The whole of the works shall be completed within 150 calendar days from start date.

- b. The Contractor shall submit a programme of works to the Project Manager for approval within fourteen (14) days from the date of issue of the Letter of Acceptance.
- c. The Contractor shall during execution of the contract, revise the programme of works every fortnight and in addition as and when requested and directed by the Project Manager.
- d. The works shall be carried out according to the programme submitted by the Contractor and approved by the Project Manager. The Contractor shall take the following into consideration while preparing the Programme of Works:
 - Pipeline will be closed for a maximum of 2 days on a particular site to allow for connection works.
 - The Contractor shall ensure that track roads are not obstructed and shall remain accessible to planters and irrigation workers
 - The Programme of works shall show all resources (labour, plant and equipment and cash flow) necessary to plan the weekly and monthly progress between the commencement and completion dates. Additionally, it shall show the timing, order of procedure and general method for carrying out the works, with timing for mobilisation of plant and equipment and for the purchase/ordering of goods for different stages of works.
 - The critical path with all activities involved therein shall clearly be shown.
 - The Programme of Works shall also take due regards of the time required for drawings approval, testing and inspection at the works, freight and delivery to the storage area.

3.3.11 Regulations, Standards and Workmanship

Except where otherwise specified, all materials to be supplied under the contract shall conform to the requirements of the relevant and latest standards issued by the International Standard Organisation and the workmanship shall conform to the requirements of the relevant and latest British Standard Codes of Practice issued by the British Standard Institution. Other equivalent national standard specifications may be used in the absence, or in the place of a relevant ISO or BSCP standard, at the sole discretion of the Project Manager and with his approval. The standards of workmanship and finish shall be uniform throughout the whole contract and shall be approved by the Project Manager. The standards mentioned herein are issued by the Organisations listed in table 1 where the abbreviations used are defined.

All materials and workmanship not fully specified herein or covered by the standards mentioned before shall be of such kind as is used in first class work. The Project Manager shall determine whether all or any of the materials offered for use in the works are suitable for the purpose for which they are intended and the Project Manager's decision in that respect shall be final.

The Contractor shall supply at his own cost and shall permanently keep on sites all the standard specifications and Codes of Practice. These documents shall be available at all times for inspection and use by the Project Manager's Representative and shall revert to the Contractor at the end of the Contract.

A list of these standards shall be supplied in the Separate Memorandum of the Bidder.

Table 1: List of standards

Name and Address	Abbreviation
International Standard Organisation Code Postale 56 1211 GENEVA 20, Switzerland	ISO
Mauritius Standard Bureau MOKA, Mauritius	MS
British Standard Institution 389 Chiswick High Road GB- London W4 4 AL	BS BSCP
Association Française de Normalisation 23, Rue Notre Dame des Victoires 75002 - PARIS, France	AFNOR
Deutsches Institut für Normung Benth Vertrich Strasse 1 BERLIN 30, West Germany	DIN
American Water Works Association 6666 West Quincy Avenue DENVER CO 80197, USA	AWWA
American Society for Testing Materials 1916, Race Street PHILADELPHIA PA 19103, USA	ASTM

Name and Address	Abbreviation
International Electrotechnical Commission Boite Postale 56 1211 GENEVA 20, Switzerland	IEC
Standard ComiteEuropeen de Normalisation Rue de Stassart, 36 B 1050 Bruxelles	CEN
Normes Francaise, AFNOR Tour Europe, F92049 Paris- La Defense FRANCE	NFC
Union Technique de L'Electricite 33, Ave. du General Leclerc BP 23-92262 Fontenay-aux-Roses – CEDEX	UTE
European Norm ON-CEN, PO Box 130, A-1021 Wien AUSTRIA	EN
Indian Standard Bureau of Indian Standards ManakBhavan, 9 Bahadur Shah Zafar Marg New Delhi-110002 INDIA	ISI
American Petroleum Institute American Society of Mechanical Project Managers American Welding Society American National Standards Institute 1819 L Street NW, WashingtonDC20036, USA	API, ASME AWS ANSI

The performance of the equipment supplied under the Contract shall be guaranteed in accordance with:

- (i) BS EN 60085:2008 – Electrical insulation. Thermal evaluation and designation.
- (ii) BS 7889:2012. Electric cables. Thermosetting insulated, non-armoured cables with a voltage of 600/1000v, for fixed installations.
- (iii) BS EN 10255:2004 – Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions.
- (iv) BS 7671:2008+A1:2011- Requirements for electrical installations. IET wiring regulations. Seventeenth edition

3.3.12 Quality of materials

All goods to be supplied under this contract (pipes, control valves, filtration system, jointing materials, nuts, bolts, gaskets & other fittings) shall be suitable for irrigation water purposes. The quality of materials and goods shall be of first grade and best quality. All goods supply shall be new, unused, free from any defects and conforming to BS, EN, ISO or other equivalent standards and shall be approved by the Project Manager. Inferior or low-grade supplies shall be rejected by the Project Manager.

Bidder shall submit a complete catalogue information, descriptive literature, specifications and technical data for control panels, cables and all the different components and proposed in their Bids to enable the Employer to access their proposal. The Bidder shall be specific as to the country of origin and manufacturing firm of the items intended to supply under this Procurement.

3.3.13 Plant and equipment

Contractor shall provide and install all necessary plant and equipment (mechanical, electrical and otherwise) for all other trades and allow for altering, adapting and maintaining them as necessary for efficient and expeditious execution of the works and at or before completion clear same from the site and make all good, to the entire satisfaction of the Project Manager.

In addition to what has already been specified, all Plant and Equipment shall be designed to provide adequate protection against the entry of vermin and dust and to minimise fire risk and consequential fire damage.

All parts which can be worn or damaged by dust shall be totally enclosed in dust proof housings.

All equipment shall operate without excessive vibration and with minimum of noise.

All similar items of plant and equipment and their components together with spare parts shall be made from the same material and shall be fully interchangeable.

All manually operated plants and equipment not located inside a building shall be provided with facilities for making it tamperproof. This is in addition to any requirements of the specification for securing plant under operational conditions.

3.3.14 Patent Rights

The Bidder shall enclose in his bid a statement from the equipment manufacturer that the Bidder is authorised to supply and install the goods in Mauritius.

The successful Bidder shall indemnify the Public Body against any third party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in the Public Body's country.

Moreover, the successful Bidder may be requested to submit a certificate of conformity for any material and equipment to be supplied which is equivalent to the existing ones. The Public Body shall not be held responsible for any failure by the successful Bidder with respect to non-suitability of quoted parts and the Bidder shall, in case of non-conformity of the parts, replace them with the conforming ones at no additional cost.

3.4 The Site

3.4.1 Site

The location of the site is indicated in:

- (i) Drawing No. OMD/PUMPSET/77/25/01 for Plaisance Pumping Station.

3.4.2 Inspection of site

The availability of data and drawings do not relieve the Contractor of his responsibility to inspect the Site for further investigations required for execution of the Works.

The Contractor is recommended to acquaint himself with the site locations. He shall assess the presence of all visible existing services, structures or obstacles, rock piles and ranges, trees, steep slopes, conditions of track roads, etc. The Contractor shall ascertain that the equipment he intends to propose is perfectly adapted to operate fully and satisfactorily under the topographical conditions of the site. He shall take into consideration all the above factors while pricing in the Bill of Quantities.

3.4.3 Access to site

- The Contractor shall give notice to the Employer prior to shipment and delivery of equipment and supplies to Site. The Employer shall grant possession of site or part of it to the Contractor as specified in Conditions of Contract and directed by the Project Manager taking into consideration the programme of work.
- The Contractor shall give notice to the Project manager prior to commence work.
- The Contractor shall be responsible for the reinstatement of existing roads if same were disturbed/damage at respective site and shall also be responsible for safe and easy passage of vehicles on the existing track roads.

3.4.4 Clearance of site

Site clearance shall be carried out over the areas to be occupied by the works and for working space and shall consist of removal and carting away of all unserviceable materials, debris, trees, sugar cane bushes and other vegetation and the grubbing out of all roots and also rocks and boulders. Topsoil so removed shall be kept aside for reinstatement.

3.4.5 Site to be tidy

The site shall be maintained in a neat, tidy and healthy condition, and the Contractor shall remove all waste, debris and unwanted materials and other litter from site upon completion of works.

3.4.6 Safety on site

The Contractor shall adhere to all rules and regulations regarding health and safety of personnel as directed by the OSHA 2005 & regulations and the Irrigation Authority's Health and safety officer. The successful bidder shall take all necessary steps to ensure that the works are done in an orderly manner and that safety precautions are enforced to avoid accidents to the personnel of the successful bidder and to other parties working on Site.

3.4.7 First aid outfit

The Contractor shall provide and maintain on Site in readily available positions near the sites of work, adequate first aid outfit and have experienced first aid man available for attending minor accidents. Fire extinguishers shall also be kept on site.

3.4.8 Reinstatement of sites, tracks and estate roads

Upon completion of Works the successful bidder shall reinstate the Sites, Tracks and Estate roads in a condition not less satisfactory than they were prior to commencement of work.

3.4.9 Maintenance of services and structures

The Contractor shall ascertain the location of all watercourses, sewers, drains, water pipes, electricity, telecommunication cables, other services and structures which may be encountered during the construction of the Works. He shall temporarily support or divert and subsequently reinstate all such services and structures as necessary and to the satisfaction of the Project Manager.

As soon as any such service or structure is encountered on, over, under, in or through the Site during the performance of the Contract, the Contractor shall make a record of the location and detailed description of such service or structure and shall send the same forthwith to the Project Manager.

Where permanent diversion or support of such service or structure is rendered necessary as the unavoidable result of the construction of the Works in accordance with the Contract, the Project Manager - after consultation with the Employer will instruct the Contractor as to the diversion or support to be provided and the Contractor shall be paid the costs thereof in accordance with Clause 40 of the General Conditions of Contract.

3.4.10 Pipes, fittings, irrigation equipment and store yard

All pipes, fittings, equipment and other materials to be used in temporary or permanent works shall be delivered from ships or local suppliers to a store yard approved by the Project Manager. No equipment shall be stored directly on site of works without approval from the Project Manager. The programme of delivery of these pipes, fittings, control panels, control valves and equipment to site shall be supplied by the Contractor in his separate memorandum.

The Contractor shall make his own arrangements for all land, store yards, stores, workshops, offices, etc. and for all services in connection therewith. The storage of the fittings and irrigation equipment shall be to the satisfaction of the Project Manager. The Project shall have access to the store yard to inspect all control panels, pipes, control valves, fittings, pumps and equipment by the Project Manager prior to acceptance.

At time of delivery and acceptance, the equipment to be incorporated in the Works shall be inspected by the Contractor who shall thereafter be responsible for their storage, stock control and safe keeping. The Employer or the Project Manager shall be in no way responsible for breakages or losses of equipment and such items shall be replaced or repaired by the Contractor to the satisfaction of the Project Manager at no cost to the Employer.

The Contractor shall keep structured records on all items available in the store, i.e date of shipment, date of delivery, date of issue to be incorporated in Works, quantity used/left in stock, quantity damaged, etc. Such records shall be made available to the Project Manager on a regular basis.

3.4.11 Contractor's staff, communication, offices etc.

a. General

The Contractor shall advise the Project Manager at which of his offices any notices may be served.

b. Language of Correspondence and Records

All communications between the Contractor, the Project Manager and the Employer shall be in the English language. All books, time sheets, records, notes, drawings, documents, specifications and manufacturers' literature etc. shall be in the English language.

If any document is in a language other than English a certified translation to English by an approved translator shall be submitted to the Project Manager or his Representative.

c. Contractor's Duty Staff & Offices

The Site Agent of the Contractor shall be permanently on the Site during normal working hours and immediately available at all other times. He shall be delegated full authority to act upon instructions given by the Project Manager or his authorised staff and shall be fluent in the spoken and written English language.

The Contractor shall provide at its own cost and maintain at the site, offices for the use of his representative and to which written instructions by the Project Manager can be delivered. Any instructions delivered to such offices shall be deemed to have been delivered to the Contractor.

d. Public Relations

The Contractor shall designate within his site organisation competent staff whose responsibility shall be to ensure good public relations.

The Contractor shall provide and maintain suitable and sufficient shelters and mess rooms for his workmen and supervisory staff.

The Contractor shall provide sufficient closets or latrines and washing facilities to the satisfaction of the relevant authority. They shall be properly screened and maintained in a clean and sanitary state at all times.

The mess rooms, closets and latrines shall be located in positions to be approved by the Project Manager. The Contractor shall be responsible for making all arrangements for the disposal of waste from mess rooms, closets and latrines.

The Contractor shall satisfy the Project Manager or his representative that all his personnel working on the site are medically fit.

3.4.12 Inspections by project manager during defects liability period

The Project Manager will give the Contractor due notice of his intention to carry out any inspections during the Defects Liability Period and the Contractor shall thereupon arrange for an authorised representative acceptable to the Employer to be present at the times and dates named by the Project Manager. This representative shall render all necessary assistance and take note of all matters and things to which his attentions is directed by the Project Manager.

3.4.13 Progress photograph

The Contractor shall provide progress photographs, illustrating each stage of the work being effected to the Project Manager. Photos shall be colored and of minimum size A6 (105mm*148mm). Photos are to be supplied in hardcopy and soft copy in USB pen drive.

The location, date when taken and the direction in which the camera was facing shall be inscribed on the back of each photograph. The photographs shall be submitted to the Project Manager in an album.

3.4.14 Notice of operation

The Contractor shall give full and complete written notice of all important operations to the Project Manager to make such arrangements as the Project Manager may consider necessary for the inspection of works and for any other purpose. The Contractor shall not start any important operation without the written approval of the Project Manager.

3.4.15 Progress meetings

The Contractor's Contract Manager shall attend regular progress meetings on Site which will be convened by the Project Manager. The Contractor shall also attend any other meetings requested by the Project Manager.

3.4.16 As-built drawings

The Contractor shall supply copies of the as built drawings for the project for:

- The new surface centrifugal pump and allied piping works;
- Other drawings as requested by the Project Manager.

The number of copies and date by which "as built" drawings are to be submitted by the Contractor are as follows:

Three (3) hardcopies, duly approved by the Project Manager, upon completion of the project. One set of final as built drawings shall also be submitted on USB pen drive in AutoCAD drawing format.

3.4.17 Conditions of site and wayleave

Before carrying out work on site, the site shall be inspected by the Contractor in conjunction with the Project Manager to establish its general condition which shall be agreed and recorded in writing, and where in the opinion of the Project Manager it is deemed necessary, by means of photography.

Any damage caused as a result of the Contractor's operation to existing plant and equipment beyond the permitted working area mentioned above shall be made good (site reinstatement, crop compensation, and other damages) at the Contractor own expense within two weeks after receipt of the Project Manager's instruction.

B. SPECIFICATION AND COMPLIANCE SHEET

Procurement Reference Number: OMD/PUMPSET/77/25

Item No.	Specifications and Performance Required	Compliance of specifications and Performance Offered	Details of Non-Compliance/Deviation (if applicable)
	A	B	C
1.	Supply, install, test and commission of 1 No. electric vertical type centrifugal surface pumpset of duty point 324 m ³ /hr at a total manometric head of 112 m, and of power rating 180 Kw or better, complete with electric motor as specified to replace Pump No. 1 at Plaisance Pumping Station.		
2.	Supply and delivery of a new borehole Pumpset as per specifications to be kept as spare pump for Palma BH 436 Pumping Station. Duty point: 245 m ³ /h at 105m, and power rating 92 Kw or better.		
3.	Supply of Foot valve PN 16 and DN 250		

Specification and Compliance Sheet Authorized By:

Name:		Signature:	
Position:		Date:	
Authorized for and on behalf of:		Company:	

3.5 Drawings

The following drawings are annexed:

Drawing No.	Title
OMD/PUPMSET/77/25/01	Context/ location plan of Plaisance pumping station
SB 300/E002	Plaisance - Pumproom Layout

Section 4: Section 4 - General Conditions of Contract and Particular Conditions of Contract

Any resulting contract shall be placed by means of a Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC), (**Ref:W/GCC10/04-24**), for the Procurement of Works (available on website ppo.govmu.org) except where modified by the Particular Conditions of Contract below.

Procurement Reference No: OMD/PUMPSET/77/25

The clause numbers given in the first column correspond to the relevant clause number of the General Conditions of Contract.

Section 5: Particular Conditions of Contract

PROCUREMENT REFERENCE NO: OMD/PUMPSET/77/25

These clauses should be read in conjunction with the General Conditions of Contract.

A. General	
GCC 1.1 (o)	The Defects Liability Period is 12 months from successful commissioning of the whole project.
GCC 1.1 (r)	The Employer is the Irrigation Authority The authorised representative is the General Manager
GCC 1.1 (v)	The Intended Completion Period for the whole of the Works shall be one hundred and fifty (150) calendar days calculated from start date.
GCC 1.1 (y)	The Project Manager is to be appointed by the Employer.
GCC 1.1 (aa)	The Site use indicated as per drawing No. : (1) OMD/PUMPSET/77/25/01
GCC 1.1 (dd)	The Start Date shall be seven (7) days from the date of the Order to Commence works to be issued by the Project Manager.
GCC 1.1 (hh)	Refer to Section 3.2 - Scope of Works.
GCC 2.2	Sectional Completions are not allowed.
GCC 2.3(i)	The following documents also form part of the Contract: <ol style="list-style-type: none"> 1) Pre-award correspondences 2) Letter of Acceptance 3) Specifications 4) Bill of Quantities 5) Drawings 6) Post-award Submissions <ol style="list-style-type: none"> a) Performance Security b) Insurance Policies c) Joint Venture Agreement (if any) d) Programme of Works 7) Technical Proposal submitted by the Bidder including all catalogues and brochures 8) Any other document submitted by the Bidder which the Employer considered to be necessary for inclusion in the Contract.
GCC 3.1	The language of the contract is English The law that applies to the Contract is the law of the Republic of Mauritius.

GCC 4.1	The Project Manager shall obtain specific approval from the Employer before carrying out any of his duties under the Contract which in the Project Manager's opinion will cause the amount finally due under the Contract to exceed the Contract Price or will give entitlement to extension of time. This requirement shall be waived in an emergency affecting safety of personnel or the Works or adjacent property.
GCC 5.1	The Project Manager is not allowed to delegate any of his duties and responsibilities without the approval of the Employer.
GCC 6	<p>Any notice shall be sent to the following addresses:</p> <p>The General Manager, Irrigation Authority, 5th Floor Fon Sing Building, 12 Edith Cavell Street Port Louis.</p> <p>For the Contractor, the address shall be as given on the first page of the Letter of Acceptance and the contact name shall be:</p> <p>_____.</p>
GCC 8.1	Schedule of other contractors: Not applicable
GCC 9.1	<p>To add under Key Personnel:</p> <p>(i) One Contract Manager (part time), holding at least a Degree in Mechanical or Electromechanical Engineering or Building Services Engineering works from a recognised institution. He shall have at least 5-year experience in Mechanical or Electromechanical engineering works or Building Services Engineering works and shall be registered with the Council of Registered Professional Engineer of Mauritius.</p> <p>(ii) Site agent (full-time) holding at least a Diploma in Mechanical or Electromechanical engineering works or Building Services Engineering works from a recognized institution. He shall have at least 3-year experience in Mechanical or Electromechanical engineering works or Building Services Engineering works.</p> <p>(iii) One foreman having at least 3 years of experience in pipe laying works, plumbing works and installation of water works.</p> <p>(iv) At least one qualified and experienced electrician having a minimum 3 years of experience related to installation of Electric Pumpset and electrical control panel.</p>

GCC 13.1	<p>Except for the cover mentioned in (d)(i) hereunder, the other insurance covers shall be in the joint names of the Contractor and the Employer and the minimum insurance amounts shall be:</p> <ul style="list-style-type: none"> a) for the Works, Plant and Materials: Contact Price + 15% b) for loss or damage to Equipment: Cost of equipment plus 15% of its value c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: Rs 3 million d) for personal injury or death: <ul style="list-style-type: none"> i. of the Contractor's employees: As per laws of Mauritius ii. of other people: Rs 10 million - This cover shall be in the joint name of the two parties covering any third party and extended to the site representatives of the Irrigation Authority. e) for loss or damage to materials on-site and for which payment have been included in the Interim Payment Certificate, where applicable. <p>The Contractor shall choose to take the insurance covers indicated above as separate covers or a combination of the Contractor's All Risks coupled with the Employer's liability and First Loss Burglary, after approval of the Employer. All insurance covers shall be of nil or the minimum possible deductibles at sole expense of the contractor.</p> <p>All insurance covers shall be valid from the commencement of works until the end of the defects liability period and shall be approved by the Project Manager.</p>
GCC 14.1	<p>Site Data are:</p> <p>There are no site data available for consultation. Available information concerning the site are described in the specifications, bill of quantities and drawings.</p> <p>Bidders are however advised to visit and examine the site of works and surrounding prior to submission of bid. They should acquaint themselves with the nature of site, extent of work, limits of site, sizes and accessibility to existing chambers, means of access, general nature of the soil and all other matters which may influence preparation and execution of their bid. All costs incidental thereof shall be at the Bidder's own expense.</p> <p>No claim due to ignorance of these factors as mentioned in the preceding paragraph shall be entertained from the contractor.</p> <p>The costs of visiting the site shall be at the Bidder's own expense.</p>
GCC 16.1	<p>The intended completion date shall be One hundred and fifty (150) calendar days from the Start Date</p>
GCC 20.1	<p>The Site Possession Date shall be stated by the Project Manager in the Letter of Order to Commence and shall be based on the Program of works to be approved by the Project Manager as stated in GCC 25.1.</p>
GCC 23.1 & GCC 23.2	<p>Appointing Authority for the Adjudicator: No Adjudicator shall be appointed for this Contract.</p>

GCC 24.	<p>In case a dispute of any kind arises between the Employer and the Contractor in connection with, or arising out of, the contract or the execution of works or after completion of works and whether before or after repudiation or other termination of Contract, including any dispute as to any opinion, instruction, determination, certificate or valuation of the Employer's Representative, the matter in dispute shall, in the first place, be referred in writing to the employer's representative, with a copy to the other party.</p> <p>The Employer and the Contractor shall make every effort to resolve the dispute amicably by direct informal negotiation. If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Irrigation Authority or the Contractor may give notice to the other party of its intention to refer the matter to the competent courts of Mauritius</p>
GCC 24.3	Hourly rate and types of reimbursable expenses to be paid to the Adjudicator: Not applicable.
GCC 24.4	Not applicable
B. Time Control	
GCC 25.1	The Contractor shall submit for approval a Program for the Works within <i>seven (7)</i> calendar days from the date of the Letter of Acceptance.
GCC 25.3	<p>Program update shall be required and the period between Program updates is ten (10) calendar days.</p> <p>The amount to be withheld for late submission of an updated Program is MUR 2,000.00 per day delayed.</p>
C. Quality Control	
GCC 33.1	The Defects Liability Period is: 365 days calculated from the date of completion of the works to be certified by the Project Manager.
GCC 34.1	<p>Delete sub-clause 34.1 and replace by the following:</p> <p>Should any defect arise during the contractual period and up to the end of the Defects Liability Period and the Contractor fails to correct the Defect within the time specified in the Project Manager's notice, this shall constitute a breach of the Contractor's obligations under the contract. The Project Manager shall assess the cost of having the defect corrected and recover the money from monies due to the contractor or from the Performance Security.</p>
GCC 37.1	<p>To add:</p> <p>Prior to issue of any Variation Order (VO) involving cost implication, the Project Manager shall assess the variation and seek the approval of the Employer.</p>
GCC 37.2	<p>To add:</p> <p>The Project Manager shall assess all quotations and submit recommendation to Employer for approval prior to issue of the VO.</p>

GCC 39.7	Interim Payment for Plant and Material on site is applicable.
D. Cost Control	
GCC 40.1	The Employer shall pay the Contractor the amounts certified by the Project Manager within 14 days of the date of each certificate but not later than 56 days after the Project Manager has received a statement with supporting documents from the Contractor. Minimum amount of Interim Payment shall be MUR 500,000
GCC 41.1 (I)	The term “exceptionally adverse weather conditions” is hereby defined as any one of the following events: (i) 100 mm rainfall or above recorded in one day of the nearest rain station; (ii) An official declaration of ‘Torrential Rain’ by meteorological Department of Mauritius; and (iii) Cyclone warning Class II or above.
GCC 43.1	The currency of the Employer’s country is: Mauritian Rupees.
GCC 44.1	The Contract is not subject to price adjustment. It shall be a fixed price which shall not be revised or adjusted for any fluctuations in the cost of inputs.
GCC 45.1	10% of the amount shall be retained from any payment in respect of the value of work certified. Half of the retention money will be released after formal taking over of the Works and the remaining shall be released after the Defect Liability Period subject to the Contractor making good all defects. The limit of Retention Money shall be 5% of Contract Price.
GCC 46.1	The liquidated damages for the whole of the Works are MUR 5,000.00 per day. The maximum amount of liquidated damages for the whole of the Works is 10% of the awarded contract value.
GCC 47.1	Not applicable.
GCC 48.1	The Advance Payments shall be: 15 % of the Contract Price excluding VAT, less any provisional and contingencies sums and shall be paid to the Contractor within 14 days after signature of the Contract and submission of the Advance Payment security by the contractor no later than 7 days from the signature of the Contract.
GCC 48.3	Add in sub-clause 48.3 as follows: If the advance payment has not been repaid prior to the issue of the Completion Certificate for the Works or prior to Termination under Clause 57 of the GCC, the whole of the balance then outstanding shall immediately become due and payable by the Contractor to the Employer.
GCC 49.1	The Performance Security amount is 10 % of the awarded Contract Price excluding VAT, inclusive of Provisional Sum and Contingencies Sum and shall be in the form of an unconditional Bank Guarantee as per the format provided at section 5, and shall be valid until the issue of the Defects Liability Certificate.

E. Finishing the Contract	
GCC 56	The date by which operating and maintenance manuals are required is two weeks before the intended completion date.
GCC 56.2	The amount to be withheld for failing to produce operating and maintenance manuals by the date required in GCC 56.1 is MUR 20,000.00 .
GCC 57.2 (g)	The maximum number of days shall be computed based on the maximum amount of liquidated damages for the whole of the Works.
GCC 59.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 25%.

Section 6: Section 5 - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Performance Security

.....*Bank/Insurance Company's Name and Address of Issuing Branch or Office*.....

Beneficiary:*Name and Address of Public Body*.....

Date.....

PERFORMANCE GUARANTEE No.:

We have been informed that*[name of the Contractor]*
(hereinafter called "the Contractor") has entered into Contract No.....*[reference number of the Contract]* dated..... with you, for the execution of*[name of Contract and brief description of Works]*(hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance security is required.

At the request of the Contractor, we *[name of Bank/Insurance Company]*
.....hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[amount in figures (amount in words)]* such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire and returned to us not later than twenty- one days from the date of issuance of the Defects Liability Certificate, calculated based on a copy of such Certificate which shall be provided to us, or on the.....day of,, whichever occurs first. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

.....*Seal of bank/Insurance Guarantee and*

Signature(s).....

Advance Payment Security

The Guarantor..... [insert bank/Financial Institution’s name and address of place of issue, unless indicated in the letterhead]

Advance Payment Guarantee No.:..... [insert Guarantee Reference Number] **Name of Contract/Contract No.:**[insert name or reference number of contract]

The Beneficiary (the Employer):[insert Name and Address of Employer]

We have been informed that [insert name and address of the Contractor] (hereinafter called the “Applicant”) is your Contractor under such Contract and wishes to receive an advance payment, for which the Contract requires him/her to obtain a guarantee.

At the request of the Applicant, we[insert name of Guarantor] hereby irrevocably undertake to pay you, the Beneficiary/Employer, any sum or sums not exceeding in total the amount of[insert in figures and words the maximum amount payable and the currency in which it is payable] (the “Guaranteed Amount”) upon receipt by us of your demand in writing and your written statement that:

- (a) the Applicant has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
- (b) the Applicant has failed to repay the advance payment in accordance with the Conditions of Contract, specifying the amount of the advance payment which the Applicant has failed to repay.

This guarantee shall become effective upon receipt (of the first instalment) of the advance payment by the Applicant. The Guaranteed Amount shall be reduced by the amounts of the advance payment repaid to you, as evidenced by interim payment certificates issued under Sub-Clause 40.1 of the Conditions of Contract. Following receipt of a copy of each interim payment certificate, we shall promptly notify you of the revised Guaranteed Amount accordingly.

Any demand for payment must contain your signature(s) which must be authenticated by your bankers or by a notary public. The authenticated demand and statement must be received by us at the following office [insert address of office] on or before.....[insert the date 70 days after the expected expiry of the Time for Completion] (the “Expiry Date”), when this guarantee shall expire.

The party liable for the payment of any charges:[insert the name of the party].

This guarantee shall be governed by the laws of[insert the law governing the guarantee], and shall be subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

..... [Seal of Bank/Insurance Company and Signature(s)].

Letter of Acceptance

[on letterhead paper of the Employer]

..... **[date]**

To: **[name and address of the Contractor]**

Subject: **[Notification of Award Contract No.]**

This is to notify you that your Bid dated **[insert date]** for execution of the **[insert name of the contract and identification number, as given in the Appendix to Bid]** for the Accepted Contract Amount of .Rs **[insert amount in numbers and words and name of currency]**, exclusive of VAT, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by *(insert name of Public Body)*.

You are requested to furnish the Performance Security in accordance with the General Conditions of Contract, using for that purpose of the Performance Security Form included in Section V (Contract Forms) of the Bidding Document.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made theday of,, between **[name of the Employer]**. (hereinafter "the Employer"), of the one part, and **[name of the Contractor]**.(hereinafter "the Contractor"), of the other part:

WHEREAS the Employer desires that the Works known as **[name of the Contract]**.should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - (a) the Letter of Acceptance
 - (b) the Bid
 - (c) the Addenda Nos **[insert addenda numbers if any]**.
 - (d) the Appendix to the General Conditions of Contract
 - (e) the General Conditions of Contract;
 - (f) the Specification
 - (g) the Drawings; and
 - (h) the completed Schedules,
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works 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.

Signed by:

.....

for and on behalf of the Employer

Signed by:

.....

for and on behalf the Contractor

In the presence of:

.....

Witness, Name, Signature, Address, Date

in the presence of:

.....

Witness, Name, Signature, Address, Date

Section 7: Format for Bank Certificate

(Bank’s Official Letterhead)

Bank Certificate

Procurement Reference No:

Name of Project: .

For: (Name of public body)

THE UNDERSIGNED

(Bank Name):

(Address):

Certifies that the firm:

..... (Name of firm and address)

for the purposes of submitting a bid for the above-mentioned project has, at the present time, the financial means and resources for the proper execution of the Contract (if awarded) with a minimum of liquid assets and/or credit facilities of (MUR) net of other contractual commitments.

Drawn at.....

Date:.....

For:(Bank Name)

Represented by:(Name of Officer)

Status:.....

Signature:.....

[Bank Seal]

[Note: The bidder should ensure that the Bank Certificate submitted by a Bank shall be substantially similar to the above format]