

## **REQUEST FOR QUOTATIONS**

### **Procurement of Goods under RFQ/Shopping Procedures**

#### **Procurement Notice**

**Purchaser:** *Professor & Head, Department of Plant Pathology, Agricultural College & Research Institute, Madurai*

**Contract title:** *Paddy seeds, Biofertilizer and ZnSo<sub>4</sub>*

**RFQ No:** *56/TNIAMP/TNAU/UPR/GOODS/PHASE-II/2023-24*

**Date:** 04.10.2023

**Applicable Procurement Regulations Date:** *July 2016 revised August 2018*

1. The Government of India has received financing from the World Bank in various currencies towards the cost of the Tamil Nadu Irrigated Agriculture Modernisation Project and intends to apply part of the proceeds towards eligible payments under the contract for which this request for quotations is issued. **The Agricultural College & Research Institute, Madurai** invites quotations from eligible bidders for the following goods.

| Sl. No. | Brief Description of the Goods | Specifications*        | Quantity | Delivery Period | Place of Delivery                                            | Installation Requirement if any |
|---------|--------------------------------|------------------------|----------|-----------------|--------------------------------------------------------------|---------------------------------|
| 1       | Paddy seeds<br>Variety ADT 45  | Certified seeds        | 200 Kg   | 15 Days         | Thiruppuvanam block of Sivagangai and Melur block of Madurai |                                 |
| 2       | Biofertilizer                  | <i>Azospirillum</i>    | 40 Kg    |                 |                                                              |                                 |
|         |                                | <i>Phosphobacteria</i> | 40 Kg    |                 |                                                              |                                 |
| 3       | ZnSo <sub>4</sub>              | Approved Standard      | 500Kg    |                 |                                                              |                                 |

[\* *Where ISI certification marked goods are available in market, purchaser should generally limit the procurement to goods with those or equivalent marking only.*]

2. The Bidders may submit Quotations for any or all items. *[Purchaser should select one of the two options. Where evaluation is to be done for all items together, select 'all items', otherwise select 'any items']*
3. This Procurement notice includes the terms and conditions applicable to submission of quotations; criteria for qualification, evaluation, and for award of supply order(s); and relevant forms to be filled by the bidders. The Procurement notice including the terms and conditions etc. can be downloaded free of cost by logging on to the

website [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in) [Implementing agency should insert the URL of the website]. In such cases the bidder would be responsible for ensuring that any addenda available in website is also downloaded and incorporated.

4. Deleted
5. Quotations shall be submitted to **Professor & Head, Department of Plant Pathology, Agricultural College & Research Institute, Madurai, 625104** on or before **3.00P.M. On. 23.10.2023**. The Quotations will be opened (at the same address of quotation submission) on **23.10.2023** at 3.30 P.M
6. If the Purchaser's office happens to be closed on the date of opening of the Quotations as specified, the Quotations will be opened on the next working day at the same time and venue.
7. Other details can be seen in the RFQ document. The Purchaser shall not be held liable for any delays due to postal or any other reasons what so ever .A Bidder requiring any clarification of the RFQ Document may visit the office of the Purchaser at the address given below.

*Professor & Head  
Department of Plant Pathology  
Agricultural College & Research Institute,  
Madurai-625104  
Tel no : 0452 - 2422177*

*K. S. Srinivasan*  
Professor and Head  
Department of Plant Pathology  
Agricultural College and Res. Institute  
MADURAI - 625 104.

*9/10*



RFQ No: 56/TNIAMP/TNAU/UPR/GOODS/PHASE-II/2023-24

Date: 04.10.2023

### Terms and Conditions

1. **Eligibility:** A Bidder (a) shall not participate in more than one Quotation; (b) shall not have conflict of interest as defined in the Bank's Procurement Regulations; and (c) should not have been (i) temporarily suspended or debarred by the World Bank Group in compliance with the Bank's Anti-Corruption Guidelines and its Sanctions Framework
2. **Clarifications & Amendments:** If the Purchaser receives any request for clarification of this RFQ Document, it will upload its response together with any amendment to this document, on the [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in) portal for information of all Bidders. Bidders should check on the portal, for any amendments to the terms and conditions.

### 3. The Quotation shall comprise the following:

- (a) Letter of Quotation;
- (b) Delivery Period Offered: List of Goods & Related Services indicating Bidder's offered delivery period in the prescribed Form;
- (c) Technical Specifications: confirmation that the offered Goods and Related Services conform to the required specifications;
- (d) Evidence in accordance with Clause 6 establishing Bidder's qualifications to perform the contract, if its quotation is accepted;
- (e) Deleted
- (f) Complete address and contact details of the Bidder having the following information:

Name of Firm  
Address for communication  
Telephone No(s): Office  
Mobile No.  
Facsimile (FAX) No.  
Electronic Mail Identification (E-mail ID)

- (g) Price Schedule (Quotation)

### 4. Quotation Prices

- a) The contract shall be for the full quantity for all items or for full quantity of each item, as specified in the Price Quotation Form.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- c) GST and any other taxes, which will be payable on the goods at the time of invoicing in connection with the sale, shall be shown separately. If these are only stated to be extra, such quotations are liable to be rejected. Wherever these taxes are not shown, these will be assumed to have been included in the quoted price.



- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
  - e) The Prices shall be quoted in Indian Rupees only.
5. **Conformity of Goods:** Bidder shall furnish documentary evidence that the Goods conform to the technical specifications and standards, as relevant for example catalogue, warranty / guarantee etc. of the manufacturer.
6. **Qualification of the Bidder:** (a) Bidder should have supplied goods of similar type (& capacity) up to at least 100% quantity in any one of last 3 years. Details of supplies made during the last 3 years shall be submitted in the specified Proforma. Atleast 40 % of the quantity in case of equipment offered for supply should have been in successful operation for at least one year as on date of quotation opening.
- (b) Supplies for any particular item in each quotation should be from one manufacturer only. Quotations offering supplies from different manufacturers for the same item in the quotation will be treated as non-responsive.
7. **Validity of Quotation:** Quotation shall remain valid for a period not less than 15 days after the deadline date specified for submission.
8. **Signing of Quotations:** The name and position held by each person signing the quotation and related documents must be typed or printed below the signature.
9. **Quotation Submission:** The Letter of Quotation shall be filled, signed and submitted along with the Price Schedules that shall be furnished using the Forms available in this document.
10. **Opening and Evaluation of Quotations:** The Quotations will be opened on the specified date, time and place.
- (a) The Purchaser shall examine the quotation to determine whether the quotation (a) has been properly signed (Clause 8); b) meets the eligibility criteria (Clause 1); (c) conforms to all terms, conditions, technical specifications, warranty/guarantee etc.; and (d) the bidder has accepted the delivery schedule (Purchaser's Requirement Form 1).
  - (b) Only Quotations that are substantially responsive to the RFQ document, and meet all Qualification Criteria shall qualify.
  - (c) The evaluation shall be based on the total price of Goods and Related services at project site including GST and any other taxes, which will be payable on the finished goods at the time of invoicing.
11. **Award of contract:** The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- (a) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- (b) The bidder whose quotation is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached).
- (c) 100% Payment shall be made within 15 days after delivery of the goods. Payment of GST and other taxes payable for the goods at the time of invoicing, although already included in the total cost, will be at actual or the rate/amount of these taxes specified in the supply order, whichever is lower.
- (d) Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

*K. F.*  
Professor and Head,  
Department of Plant Pathology,  
Agricultural College and Res. Inst.,  
MADURAI - 625 104.

*M*  
*4/10*



## Letter of Quotation

*The Bidder must prepare the Letter of Quotation on stationery with its letterhead clearly showing the Bidder's complete name and address. The italicized text is for Bidder's guidance in preparing these forms and shall be deleted from the final products.*

RFQ No.: 56/TNIAMP/TNAU/UPR/GOODS/PHASE-II/2023-24

Our Reference: No..... Dated.....

To:

Professor & Head,

Department of Plant Pathology,

Agricultural College & Research Institute,

Madurai 625 104.

Subject: Supply of Paddy seeds, Biofertilizer and ZnSo<sub>4</sub>

Sir,

1. We, the undersigned, hereby submit our Quotation. In submitting our Quotation, we make the following declarations:

- (a) **No reservations:** We have examined and have no reservations to the RFQ Document;
- (b) **Conformity:** We offer to supply in conformity with the RFQ Document and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services *[insert a brief description of the Goods and Related Services]*;
- (c) The total price of our Quotation, including any unconditional discounts offered is:  
Total price of the Quotation *[insert the total price of the quotation including GST and any other taxes, which will be payable on the finished goods, in words and figures]*;
- (d) **Commissions, gratuities and fees:** We have paid, or will pay the following commissions, gratuities, or fees with respect to the Bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity. If none has been paid or is to be paid, indicate "none."]*
- (e) **Quotation Validity Period:** Our Quotation shall be valid for the period of 15 days, from the deadline fixed for the Quotation submission;
- (f) **Eligibility:** We meet the eligibility requirements and have no conflict of interest, we are not participating in more than one quotation in this bidding process, and we have not been temporarily suspended or debarred by the World Bank.
- (e) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices.

Yours faithfully,

Authorized Signature

Name & Title of Signatory \_\_\_\_\_

In the capacity of *[insert legal capacity of person signing the Letter of Quotation]*

Name of Bidder \_\_\_\_\_

Address \_\_\_\_\_

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

**FORMAT OF QUOTATION**

| Sl. No.                                     | Description of Goods                | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                    | Qty.        | Unit  | Quoted Unit Rate <sup>1</sup> at destination in Rs. | <sup>2</sup> GST and similar other taxes applicable on finished Goods/ Services | *Total Price per line item at Destination - inclusive of discounts, all taxes and duties |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
|---------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-----------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------|-------------------------|---------|--------------------------|---------|---------------------|-------|------------------|---------|-------|--|--|--|--|--|
|                                             |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 | In Figurés                                                                               | In Words |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| 1                                           | Paddy seed-Certified seeds (ADT 45) | <table border="1"> <tr> <td>Particulars</td> <td>limit</td> </tr> <tr> <td>Pure seed minimum</td> <td>: 96.0%</td> </tr> <tr> <td>Inert seeds maximum</td> <td>: 3.0%</td> </tr> <tr> <td>Other crop seed maximum</td> <td>: 10/Kg</td> </tr> <tr> <td>Total weed seeds maximum</td> <td>: 10/Kg</td> </tr> <tr> <td>Germination minimum</td> <td>: 80%</td> </tr> <tr> <td>Moisture maximum</td> <td>: 12.0%</td> </tr> </table> | Particulars | limit | Pure seed minimum                                   | : 96.0%                                                                         | Inert seeds maximum                                                                      | : 3.0%   | Other crop seed maximum | : 10/Kg | Total weed seeds maximum | : 10/Kg | Germination minimum | : 80% | Moisture maximum | : 12.0% | 200kg |  |  |  |  |  |
| Particulars                                 | limit                               |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Pure seed minimum                           | : 96.0%                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Inert seeds maximum                         | : 3.0%                              |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Other crop seed maximum                     | : 10/Kg                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Total weed seeds maximum                    | : 10/Kg                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Germination minimum                         | : 80%                               |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| Moisture maximum                            | : 12.0%                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |
| <b>TOTAL including all taxes and duties</b> |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |       |                                                     |                                                                                 |                                                                                          |          |                         |         |                          |         |                     |       |                  |         |       |  |  |  |  |  |

**Note:** Evaluation shall be done for all items together

\*Payment of GST and other taxes payable for the goods at the time of invoicing, although already included in the total cost, will be at actuals or the rate/amount of these taxes specified in the supply order, whichever is lower.

<sup>1</sup> Any unconditional discounts if offered shall be specified in this column along with the unit rates.

<sup>2</sup> Indicate each applicable tax separately.



| Sl. No | Description of Goods   | Specifications      |             | Qty.                                 | Unit     | Quoted Unit Rate <sup>3</sup> at destination in Rs. | *GST and similar other taxes applicable on finished Goods/ Services | *Total Price per line item at Destination - inclusive of discounts, all taxes and duties |          |
|--------|------------------------|---------------------|-------------|--------------------------------------|----------|-----------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------|
|        |                        | Parameters          | Requirement |                                      |          |                                                     |                                                                     | In Figures                                                                               | In Words |
| 1.     | <i>Azospirillum</i>    | Base                | :           | Career based (Peat/lignite)          | 40<br>Kg |                                                     |                                                                     |                                                                                          |          |
|        |                        | Viable cell count   | :           | 5×10 <sup>7</sup> Cells /g of powder |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | Contamination level | :           | Nil upto 10 <sup>5</sup> dilution    |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | pH                  | :           | 6.5-7.5                              |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | Moisture Content    | :           | 30 - 40 %                            |          |                                                     |                                                                     |                                                                                          |          |
| 2.     | <i>Phosphobacteria</i> | Base                | :           | Career based (Peat/lignite)          | 40<br>Kg |                                                     |                                                                     |                                                                                          |          |
|        |                        | Viable cell count   | :           | 5×10 <sup>7</sup> Cells /g of powder |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | Contamination level | :           | Nil upto 10 <sup>5</sup> dilution    |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | pH                  | :           | 6.5-7.5                              |          |                                                     |                                                                     |                                                                                          |          |
|        |                        | Moisture Content    | :           | 30 - 40 %                            |          |                                                     |                                                                     |                                                                                          |          |

<sup>3</sup> Any unconditional discounts if offered shall be specified in this column along with the unit rates.

<sup>4</sup> Indicate each applicable tax separately.



| Sl. No | Description of Goods | Specifications                                       |             | Qty.                         | Unit      | Quoted Unit Rate <sup>5</sup> at destination in Rs. | *Total Price per line item at Destination - inclusive of discounts, all taxes and duties |  |            |
|--------|----------------------|------------------------------------------------------|-------------|------------------------------|-----------|-----------------------------------------------------|------------------------------------------------------------------------------------------|--|------------|
|        |                      | Parameters                                           | Requirement |                              |           |                                                     | GST and similar other taxes applicable on finished Goods/ Services                       |  | In Figures |
| 1.     | ZnSO <sub>4</sub>    | ZnSO <sub>4</sub><br>Molecular Weight/<br>Molar Mass | :<br>:<br>: | Zinc Sulfate<br>161.47 g/mol | 500<br>Kg |                                                     |                                                                                          |  |            |
|        |                      | Density                                              | :<br>:      | 3.54 g/cm <sup>3</sup>       |           |                                                     |                                                                                          |  |            |
|        |                      | Boiling Point                                        | :<br>:      | 740 °C                       |           |                                                     |                                                                                          |  |            |
|        |                      | Melting Point                                        | :<br>:      | 680 °C                       |           |                                                     |                                                                                          |  |            |
|        |                      | Solubility                                           | :<br>:      | Soluble in water             |           |                                                     |                                                                                          |  |            |

<sup>5</sup> Any unconditional discounts if offered shall be specified in this column along with the unit rates.

<sup>6</sup> Indicate each applicable tax separately.

We agree to supply the above goods in accordance with the technical specifications for a total contract price (including all taxes and duties) of Rs. .... (Amount in figures) (Rs. .... amount in words) within the period specified in the Request for Quotations.

We also confirm that the normal commercial warranty/guarantee of ..... months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank's sanctions procedures) in competing for or in performing the Contract.

**Signature of Bidder**



## *Purchaser's Requirement*

### 1. LIST OF GOODS & RELATED SERVICES AND DELIVERY PERIOD

| Line Item No. | Description of Goods and Related Services | Quantity | Physical unit | Final Destination(Project site)                                          | Desired Delivery Period for completion of supply from the date of the Contract | Bidder's offered Delivery Period<br><i>[to be provided by the Bidder]</i> |
|---------------|-------------------------------------------|----------|---------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1             | 2                                         | 3        | 4             | 5                                                                        | 6                                                                              | 7                                                                         |
| 1.            | Paddy certified seeds<br>ADT 45           | 200 kg   | 30 Kg         | Thiruppuvanam<br>block of<br>Sivagangai and<br>Melur block of<br>Madurai | 15 days                                                                        |                                                                           |
| 2.            | Azospirillum                              | 40 Kg    | 1 Kg          |                                                                          |                                                                                |                                                                           |
| 3.            | Phosphobacteria                           | 40 Kg    | 1 Kg          |                                                                          |                                                                                |                                                                           |
| 4.            | ZnSO <sub>4</sub>                         | 500Kg    | 5Kg           |                                                                          |                                                                                |                                                                           |

Note:  
Delivery Period offered by the Bidder should be filled in Column 7 by the Bidder.

## 2. TECHNICAL SPECIFICATIONS

| S.No                     | Description of goods                        | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
|--------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-------------------|---------|----------------------|--------|-------------------------|---------|--------------------------|---------|---------------------|-------|------------------|---------|
| 1                        | Paddy seed-<br>Certified seeds<br>( ADT 45) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Particulars</th> <th style="text-align: center;">Permissible limit</th> </tr> </thead> <tbody> <tr> <td>Pure seed minimum</td> <td style="text-align: center;">: 96.0%</td> </tr> <tr> <td>Inert matter maximum</td> <td style="text-align: center;">: 3.0%</td> </tr> <tr> <td>Other crop seed maximum</td> <td style="text-align: center;">: 10/Kg</td> </tr> <tr> <td>Total weed seeds maximum</td> <td style="text-align: center;">: 10/Kg</td> </tr> <tr> <td>Germination minimum</td> <td style="text-align: center;">: 80%</td> </tr> <tr> <td>Moisture maximum</td> <td style="text-align: center;">: 12.0%</td> </tr> </tbody> </table> | Particulars | Permissible limit | Pure seed minimum | : 96.0% | Inert matter maximum | : 3.0% | Other crop seed maximum | : 10/Kg | Total weed seeds maximum | : 10/Kg | Germination minimum | : 80% | Moisture maximum | : 12.0% |
| Particulars              | Permissible limit                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Pure seed minimum        | : 96.0%                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Inert matter maximum     | : 3.0%                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Other crop seed maximum  | : 10/Kg                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Total weed seeds maximum | : 10/Kg                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Germination minimum      | : 80%                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |
| Moisture maximum         | : 12.0%                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |                   |                   |         |                      |        |                         |         |                          |         |                     |       |                  |         |

**Biofertilizers:**

| S.No                | Description of goods                | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |                            |      |                               |                   |                                     |
|---------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|------|-------------------------------|-------------------|-------------------------------------|
| 1.                  | <i>Azospirillum</i>                 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Parameters</th> <th style="text-align: center;">Requirement</th> </tr> </thead> <tbody> <tr> <td>Base</td> <td style="text-align: center;">: Career based (Peat/lignite)</td> </tr> <tr> <td>Viable cell count</td> <td style="text-align: center;">: <math>5 \times 10^7</math> Cells /gof powder</td> </tr> </tbody> </table> | Parameters          | Requirement                | Base | : Career based (Peat/lignite) | Viable cell count | : $5 \times 10^7$ Cells /gof powder |
| Parameters          | Requirement                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |
| Base                | : Career based (Peat/lignite)       |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |
| Viable cell count   | : $5 \times 10^7$ Cells /gof powder |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |
| 2.                  | <i>Phosphobacteria</i>              | <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Contamination level</td> <td style="text-align: center;">: Nil upto <math>10^5</math> dilution</td> </tr> <tr> <td>pH</td> <td style="text-align: center;">: 6.5-7.5</td> </tr> <tr> <td>Moisture Content</td> <td style="text-align: center;">: 30 – 40 %</td> </tr> </tbody> </table>                                                                     | Contamination level | : Nil upto $10^5$ dilution | pH   | : 6.5-7.5                     | Moisture Content  | : 30 – 40 %                         |
| Contamination level | : Nil upto $10^5$ dilution          |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |
| pH                  | : 6.5-7.5                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |
| Moisture Content    | : 30 – 40 %                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                            |      |                               |                   |                                     |