**Terms of Reference for Dairy Equipment and Test Kits**

1. **Background:**

Heifer Project Nepal (HPN) is a non-profit, humanitarian organization dedicated to ending hunger and poverty and caring for earth by providing livestock, education, and other resources to help poor families become self-reliant.

1. **Objective of the Service:**

Procurement of Dairy Equipment and Test Kits required for the organization.

1. **Scope of the work:**

Dairy Equipment and Test Kits that we are going to procure will be based upon the specification and standard given in the below Annex. The company/firms/suppliers should clearly mention the validity of the quoted price.

1. **Mode of payment:**

The vendor shall submit quotation with detail breakdown including applicable VAT/Taxes at the time of quotation submission.

1. The payment shall be made to the account of company/firms/suppliers.
2. The payment will be made through Account Payee Cheque or Bank Transfer.
3. **Management of the service:**

The selected company/firms/suppliers shall be accountable for the delivery of the expected quality goods within 30 days of issues of purchase order.

1. **Documents to be submitted by the company/firms/suppliers:**

The application should contain following documents:

1. Sign and stamp in all pages on Terms of Reference (TOR) and complete Annex II and III
2. Price quotation of individual items with specifications
3. Company/Firm registration certificate
4. VAT Registration Certificate
5. A copy of tax clearance certificate (FY 079/80)
6. Certificate of importer/authorized dealer/authorized seller
7. **Acceptance of quotation:**

All rights to accept or reject partially/wholly a quotation, with or without giving any reasons, shall reserve with HPN. If deemed necessary, the company/firms/suppliers shall be asked for modifications.

The quotation should be submitted in the format provided in Annex III to **Procurement-NP@heifer.org** by **19 September 2024, 5: 00 PM** mentioning email subject line **“Quotation for Dairy Equipment and Test Kit”**. **You can submit the quotation for either dairy equipment or test kit or both.**

**ANNEX I : Technical Specification**

**Package 1. Dairy Equipment**

1. **Chilling VAT**

|  |
| --- |
| **Specification** |
| Capacity 500Ltr.  |
| Equipment Type Milk Storage Tanks |
| Material: Stainless Steel |
| Inner Tank: 1.5mm 304 SS Sheet |
| Outer Body: 1.2mm 202 SS Sheet |
| Puff insulation panel 90mm |
| 220-240 Volt |
| Gear Motor 30-40 Rpm |
| Gas Filling R404-R22 |
| Panel Board: Fully Automatic Digital System |

1. **Cream Separator**

|  |
| --- |
| **Specification** |
| Machine capacity: 700 Liter/Hr. |
| Tank Cap: 40 Liter |
| No of S.S. Discs: 25 |
| Motor: 1425 RPM Single Phase Electric Motor 0.25 HP |
| Separation Temperature: 35-400C/95-108F |
| Solid Removal Time: 1.5 Hours |
| Bowl material: M.S./S.S. 304 |
| Spot set Material: CRCA sheet/S.S. 304 sheet |

1. **Khowa Making Machine (Gas Operated)**

|  |
| --- |
| **Specification** |
| Capacity: 60 – 80 litre |
| Vessel: 1.5mm |
| Bottom plate: 16-18mm |
| Top plate: 6mm |
| Motor: 1 HP |
| Burner: T-35 |
| Materials: Stainless steel |

**Package 2. Antibiotic Sensitivity Test kit 2 in 1 (Beta Lactam antibiotics and Tetracyclines)**

**1. β-lactam antibiotics (beta-lactam antibiotics)**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N** | **PENICILLINS** | **Limits of detection (PPB) MRL** | **Remarks**  |
| **1** | Penicillin-G | 4 |  |
| **2** | Amoxicillin | 4 |  |
| **3** | Ampicillin | 4 |  |
| **4** | Oxacillin | 30 |  |
| **5** | Cloxacillin | 30 |  |
| **6** | Dicloxacillin | 30 |  |
| **7** | Nafcillin | 30 |  |

 **a. PENICILLINS**

**b. CEFALOSPORINS**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N** | **Cefalosporins** | **Limits of detection (PPB) MRL** | **Remarks** |
| **1** | Ceftiofur | 100 |  |
| **2** | Cefquinome | 50 |  |
| **3** | Cefazolin | 50 |  |
| **4** | Cephapirin | 60 |  |
| **5** | Cefacetrile | 125 |  |
| **6** | Cefoperazone | 50 |  |
| **7** | Cefalexin | 100 |  |
| **8** | Cefalonium | 20 |  |

**2. Tetracyclines**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N** | **Tetracyclines** | **Limits of detection (PPB) MRL** | **Remarks** |
| **1** | Oxytetracycline | 100 |  |
| **2** | Tetracycline | 100 |  |
| **3** | Chlortetraycline | 100 |  |
| **4** | Doxycycline | 100 |  |

**ANNEX II : Technical Specification Checklist**

**Chilling VAT**

|  |  |  |
| --- | --- | --- |
| **Specification** | **Comply (Yes/No)** | **If no, specify Here** |
| Capacity 500Ltr.  |  |  |
| Equipment Type Milk Storage Tanks |  |  |
| Material: Stainless Steel |  |  |
| Inner Tank: 1.5mm 304 SS Sheet |  |  |
| Outer Body: 1.2mm 202 SS Sheet |  |  |
| Puff insulation panel 90mm |  |  |
| 220-240 Volt |  |  |
| Gear Motor 30-40 Rpm |  |  |
| Gas Filling R404-R22 |  |  |
| Panel Board: Fully Automatic Digital System |  |  |

**Cream Separator**

|  |  |  |
| --- | --- | --- |
| **Specification** | **Comply (Yes/No)** | **If no, specify Here** |
| Machine capacity: 700 Liter/Hr. |  |  |
| Tank Cap: 40 Liter |  |  |
| No of S.S. Discs: 25 |  |  |
| Motor: 1425 RPM Single Phase Electric Motor 0.25 HP |  |  |
| Separation Temperature: 35-400C/95-108F |  |  |
| Solid Removal Time: 1.5 Hours |  |  |
| Bowl material: M.S./S.S. 304 |  |  |
| Spot set Material: CRCA sheet/S.S. 304 sheet |  |  |

**Khowa Making Machine (Gas Operated)**

|  |  |  |
| --- | --- | --- |
| **Specification** | **Comply (Yes/No)** | **If no, specify Here** |
| Capacity: 60 – 80 litre |  |  |
| Vessel: 1.5mm |  |  |
| Bottom plate: 16-18mm |  |  |
| Top plate: 6mm |  |  |
| Motor: 1 HP |  |  |
| Burner: T-35 |  |  |
| Materials: Stainless steel |  |  |

**β-lactam antibiotics (beta-lactam antibiotics)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.N** | **PENICILLINS** | **Limits of detection (PPB) MRL** | **Comply (Yes/No)** | **If no, specify Here** |
| **1** | Penicillin-G | 4 |  |  |
| **2** | Amoxicillin | 4 |  |  |
| **3** | Ampicillin | 4 |  |  |
| **4** | Oxacillin | 30 |  |  |
| **5** | Cloxacillin | 30 |  |  |
| **6** | Dicloxacillin | 30 |  |  |
| **7** | Nafcillin | 30 |  |  |

 **a. PENICILLINS**

**b. CEFALOSPORINS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.N** | **Cefalosporins** | **Limits of detection (PPB) MRL** | **Comply (Yes/No)** | **If no, specify Here** |
| **1** | Ceftiofur | 100 |  |  |
| **2** | Cefquinome | 50 |  |  |
| **3** | Cefazolin | 50 |  |  |
| **4** | Cephapirin | 60 |  |  |
| **5** | Cefacetrile | 125 |  |  |
| **6** | Cefoperazone | 50 |  |  |
| **7** | Cefalexin | 100 |  |  |
| **8** | Cefalonium | 20 |  |  |

**Tetracyclines**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.N** | **Tetracyclines** | **Limits of detection (PPB) MRL** | **Comply (Yes/No)** | **If no, specify Here** |
| **1** | Oxytetracycline | 100 |  |  |
| **2** | Tetracycline | 100 |  |  |
| **3** | Chlortetraycline | 100 |  |  |
| **4** | Doxycycline | 100 |  |  |

**ANNEX III:**

**Bidding Form for Dairy Equipment**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.N.** | **Item Name** | **Brand/Model** | **Country of Origin** | **Quantity** | **Unit Rate (NPR) without VAT** | **Total Amount in NPR** | **Delivery by after purchase order****(In days)** |
| 1 | Chilling VAT |  |  | 6 units |  |  |  |
| 2 | Cream Separator |  |  | 3 units |  |  |  |
| 3 | Khowa Making Machine (Gas Operated) |  |  | 3 units |  |  |  |
| **Sub Total** |  |
| VAT 13 % |  |
| **Grand Total** |  |

**Bidding Form for Test Kits**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.N.** | **Item Name** | **Brand/Model** | **Country of Origin** | **Quantity** | **Unit Rate (NPR) without VAT** | **Total Amount in NPR** | **Delivery by after purchase order****(In days)** |
| 1 | Antibiotic Sensitivity Test kit 2 in 1 (Beta Lactam antibiotics and Tetracyclines) |  |  | 9733 Kit |  |  |  |
| **Sub Total** |  |
| VAT 13 % |  |
| **Grand Total** |  |

**Name of Company/firm/supplier**:

Contact Name:

Contact No:

Email:

Contact Address:

Website:

Signature:

Date:

Company/firm Stamp: