**Application Form**

1. Firm Name :- …………………………………………………………………………..
2. Head Office Address :-………………………………………………………………...

Telephone:-……………………….. Fax………………………………

Email…………………………………………………………………..

1. Responsible Person……………………………………………………………………..

Position…………………………………………………………………...

Telephone………………… Mobile………………. Fax:-…………….

Email:-…………………………………………………………………

1. Firm Registration No…………………… Registered Office………………………..

Date………………………………………………………………

1. PAN/VAT Registration No………………………. Date………………………….......
2. Business Type/ Purpose :…………………………………………………………….
3. Financial Situation of Last three Years. ( Attach Audited report of three years)

Information from Balance sheet

|  |  |  |  |
| --- | --- | --- | --- |
| Fiscal Year | 1 | 2 | 3 |
| Total Assets |  |  |  |
| Total Liabilities |  |  |  |
| Net Worth |  |  |  |
| Current Assets |  |  |  |
| Current Liabilities |  |  |  |

Information from Income Statement

|  |  |  |  |
| --- | --- | --- | --- |
| Fiscal Year | 1 | 2 | 3 |
| Total Revenues |  |  |  |
| Profit Before Tax |  |  |  |
| Profit After Tax |  |  |  |

Financial Resources ( Add if required )

|  |  |  |
| --- | --- | --- |
| No. | Source of Financing | Amount |
| 1 |  |  |
| 2 |  |  |

Note – The letter from the bank must be unconditional

1. Human Resource Capability

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N. | Name | Position | Qualification ( Must submit certificate copy)\* | Experience (Year) |
|  |  | Manager |  |  |
|  |  | Account/Sales/ Marketing |  |  |
|  |  | Engineer/Sub Engg/Mechanics |  |  |

\*Attach C.V. & certificate otherwise will not be considered for evaluation.

9. Rate and details of the Equipment’s that the firm can supply as of annex-1 (Attach the relevant catalogs, specifications etc.)

Brief Specification of Equipments

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipment | Required Quantity in Nos | Estimated per unit cost | Brand | Model | Power HP | Per unit cost ( Including VAT & Tax) | | Free Spare Parts including Tool Box | No. of Free servicing after sales |
| Rate in figures | Rate in words |
| 1 | Seed Treater | 1 | 2375000.00 |  |  |  |  |  |  |  |
| 2 | Seed Grader | 1 | 2410000.00 |  |  |  |  |  |  |  |
| 3 | Seed Pre -Cleaner | 1 | 1600000.00 |  |  |  |  |  |  |  |
| 4 | Seed Gravity Separator | 3 | 1100000.00 |  |  |  |  |  |  |  |
| 5 | Seed cylinder | 3 | 1250000.00 |  |  |  |  |  |  |  |

**Note:- if the proposed amount of the Seed Treater, Seed Grader, Seed Pre-Cleaner, Seed Gravity Separator and Seed culinder is greater than estimated per unit cost then the firm/company who has been proposed that amount will be eliminated.**

10. Availability of Equipments that the firm can supply (For this FY)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name of the equipments | Required Quantity | Brand | Model | Available in stock (N0s) | Quantity that can be supplied in this FY (NOs) | Rate in figures | Total Amount (NRs)\* |
| 1 | Seed Treater | 1 |  |  |  |  |  |  |
| 2 | Seed Grader | 1 |  |  |  |  |  |  |
| 3 | Seed Pre Cleaner | 1 |  |  |  |  |  |  |
| 4 | Seed Gravity Separator | 3 |  |  |  |  |  |  |
| 5 | Seed Cylinder | 3 |  |  |  |  |  |  |

\*Please submit deposit voucher or bank guarantee of 5% of the Total Amount (NRs.) that the firm can supply in current FY. If not submitted the firm will not be eligible for evaluation.

11. Availabilities of Spare Parts (Attach separate sheet if required)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.N. | Parts Name | Quantity | Unit Rate in figures | Amount |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Total Spare Parts available in NRs…………………………….( must be quoted for evaluation purpose)

12. Dealer, Branches and Distributes in the country

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Name | Address | Contact person | Email | Telephone | Mobile |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Submit copy of dealership agreement with firm registration, PAN or VAT registration otherwise will not be considered for evaluation.

13. Service Centers

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.N. | Name | District | Types of services Available ( Routing/Regular/Engine Overhaul) | Address | Contact Person | Email | Telephone | Mobile |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Submit copy of dealership agreement with firm registration, PAN or VAT registration otherwise will not be considered for evaluation.

14. Professional Experiences

15. Specific Experience ( Please submit supporting documents)

I hereby declare that the above submitted information are true and correct based on relevant documents and our knowledge and we are not ineligible to participate in the expression of interest, has no conflict of interest in the proposed procurement proceedings and has not been punished for the profession or business related offence.

(Signature of Authorized Person)

Office stamp

Name ………………………….

Position ………………………..

**Technical specification of Agri-Processing Equipments**

**Office:** Agriculture Knowledge centre, Kalaiya (Bara), F/Y: 2080/81

1. **Technical Specification of Seed Grader plant**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.n.** | **Criteria** | **Required Technical Specifications** | **Offered Specifications** |
| 1 | General | **Seed Grader with elevator** should be capable for Cleaning and grading of seeds of all crops such as cereals, Oil Seeds, Vegetable Seeds etc. Capacity 1 Ton/Hr. Based on Paddy. **Cyclone dust collector** | ***Make:***  ***Model:*** |
| **Seed cleaner cum seed grader** | | | |
| 3 | Screens | Minimum 3 (oscillating type) Area- Not less than 3.24 Sq. Meter. Screens should be are made of 0.8 mm CRC perforated Zinc coated sheet. Screen Cleaning device: Rubber balls |  |
| 5 | Aspirations | 2 nos. of aspirations, variable air control arrangement to control the aspiration system for removal of lighter impurities like dust, chaff, husk, deceased grains, small weed grains etc. Air volume should not be less than 2500 CFM as 5’’ WGSP |  |
| 6 | Power supply | 3 HP motor, 3Ph AC Supply/50hz with control panel IP-54 |  |
| 7 | Feeding | Feed control gate to regulate the feeding rate and a feed roller for uniform and continuous feeding. |  |
| **Vertical bucket elevators (v.b.) Elevator** | | | |
| 11 | General | Capacity – 3 TPH (Based on wheat) to feed Seed cleaner cum grader, **Self-supporting, centrifugal discharge** |  |
| 12 | Dump hopper | 1.6 mm thick M.S. Sheet, Heavy duty grating to remove chaff etc. |  |
| 13 | V-bottom boot  Assembly | Mounted on a heavy-duty shaft on self-aligned ball bearings. Two removable slide gates should be provided for easy and fast cleaning and rendering service to the bottom pulley. |  |
| 14 | Middle section  Legs | 1.6 mm thick GI sheet, it should be provided with flanges at both ends. Belt inspection door should be Provided at suitable height |  |
| 15 | Head casing | 2.0 mm thick GI sheet, Detachable split cover with rubber inside should be provided for accessibility to Head pulley. Head pulley should be rubberized and crowned for improved traction and should be mounted on a heavy-duty shaft and self-aligned ball bearings. Sprockets should be TLB type for easy and quick fitting. |  |
| 16 | Ladder and  Platform | Ladder, service platform with safety cage of suitable size and height should be provided to enable Accessibility to the head boot and made of M.S. |  |
| 17 | Belt and belt speed | NN belt should be used for fastening of buckets (cups). The belt speed should not exceed 0.9 m/sec. |  |
| 18 | Buckets | Buckets of self-cleaning type, HDPE should be used. These buckets should be fastened with cup-bolt and washers with belt. Spacers should be provided between buckets and belt to prevent damage to the seeds. |  |
| 19 | Discharge pipe | Suitable dia. Discharge pipe made of 2 mm M.S. Sheet with both end flanged should be used for discharging the grains/seeds |  |
| 20 | Electric drive | Complete with Geared motor of at least 0.75 KW and starter for operation on 440 V, 3 phases, 50 cycles, A.C. Supply. |  |
| 21 | Constructional  Features | All main structural frame should be welded and made by compact and sturdy pipe frame section not less than 4mm M.S Sheet. |  |
| **Others** | | | |
| 22 | Safety features | The machine should be covered from all side as safety features all moving parts are covered with safety guard. |  |
| 24 | Initial service and training | Supplier should send their qualified technician for installation, demonstration and testing at site. Supplier should provide training on operation and maintenance at site |  |

1. **Technical Specification of Seed Treater plant**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N.** | **Criteria** | **Required Technical Specifications** | **Offered Specifications** |
| 1. | General | **Seed Treater with Elevator** Suitable for treatments of seeds of various crops with liquid/power chemicals (fungicides/pesticides). Chemical application through atomizers. Having Seed metering facility. | ***Model:***  ***Country of Origin:*** |
| 2. | Capacity | 1-2 ton/hour |  |
| 3. | Power requirement | Complete with Geared motor of at least 0.75 KW and starter for operation on 440 V, 3 phases, 50 cycles, A.C. Supply for elevator. Motor of mixing tube (0.5hp), motor of spinning disc and volume wheel 0.25hp each. Pre-mix tank motor 1 hp. |  |
| 4. | Dosage control | Fully automatic and synchronize with the seed feed rate. Dosing rate 100 ml to 600ml, controllable in variance as per requirement. |  |
| 5. | Seed/chemical application and mixing | Closed system, no damage to the seeds, materials of construction M.S/SS. Liquid spreader should be provided |  |
| 6. | Control panel, supervision and security system | Compact control panel. Equipped with sensor for supervision of flow of seed and chemicals (any interruption in seed flow stops the process and restart). |  |
| 7 | Elevator | vertical bucket elevator 3-5 ton per hour capacity, for loading/unloading and recirculating of seeds, height not more than 8m. elevator boot assembly should be self-cleaning type. The thickness of the boot should be 3 mm GI. Sheet. The belt speed should not exceed 0.9 m/sec. Buckets of self-cleaning type; HDPE should be used. These buckets should be fastened with cup-bolt and washers with belt. |  |
| 8 | Pre- Mix Tank | 75- 100 liters. (Stainless steel with auto stirrer with the help of geared electric motor |  |
| 9 | Dimension (m) | 1.4x0.7 (±5%) |  |
| 10 | Tools/Manual | A set of tools for general maintenance shall be supplied. One copy of the operation manual in English/Nepali/Hindi |  |
| 11 | Quality standard | ISO/CE/ISI |  |
| 12 | Warranty | Manufacturer shall provide minimum warranty valid for ***one year*** after the date of acceptance. |  |
| 13 | Initial Service and training | The supplier should provide minimum one-day training to operators for operation and maintenance of the machine by qualified Engineer/ technician. |  |
|  | Delivery Place | **At the site allocated by:**  Agriculture Knowledge Centre, Kalaiya (Bara) |  |

1. **Technical Specification of Seed pre cleaner**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N.** | **Criteria** | **Required Technical Specifications** | **Offered Specifications** |
| 1. | General | Machine should be capable for efficient Cleaning and grading of seeds of all crops such as Wheat, Paddy, Maize, Millets, Sunflower, Soybean, Barley, Oil Seeds, Vegetable Seeds, Flower seeds, Fodder crop seeds, pulses & various spices etc. | ***Model:***  ***Country of Origin:*** |
| 2. | Capacity | Not less than 1.5 Ton/Hr. based on paddy |  |
| 3. | No. of Screens | Minimum 3 (flat, oscillating type) |  |
| 4. | Minimum Screen Area | Not less then 3.24 Sq. meter |  |
| 5. | Screen Inclination | Fixed |  |
| 6. | Screen perforation cleaning device | Rubber Balls |  |
| 7 | No. of screen | No. of Scalping screen 2 and No. of Grading screen 1 |  |
| 8 | No. of aspirations | Two |  |
| 9 | Power supply | Not more than 3 Kw motor of 440V, 3Ph/50hz AC Supply, control panel |  |
| 10 | CONSTRUCTIONAL FEATURES: | feed control gate to regulate the feeding rate and a feed roller for uniform and continuous feeding. |  |
| 11 | The machine should be supplied with cyclone dust collector for outside installation |  |
| 12 | Steeples variable air control arrangement should be provided to control the aspiration system for removal of lighter impurities like dust, chaff, husk, deceased grains, small weed grains etc. |  |
| 13 | All main structural frame should be welded and made by compact and strudy pipe frame section not less than 4mm M.S Sheet. |  |
| 14 | Variable speed arrangement for cradle should be there |  |
| 15 | Air volume should not be less than 2500 CFM as 5’’ WGSP |  |
| 16 | Total length and width of the machine including feed hopper should not be less than 1.8 x1.35 meter |  |
| 17 | Screens should be are made of 0.8 mm CRC perforated Zinc coated sheet suitably inclined fixed on seasoned wooden frame. The screens should be free from curvature and burrs. |  |
| 18 | The machine should be covered from all side as safety features all moving parts are covered with safety guard. |  |
| 19 | All spouts should be fitted with bag holding clamps and should be minimum of 750 mm of bagging height and are self-cleaning type |  |
|  | Warranty | Manufacturer shall provide minimum warranty valid for ***one year*** after the date of acceptance. |  |
|  | Initial Service and training | The supplier should provide minimum one day training to operators for operation and maintenance of the machine. |  |
|  | Delivery Place | **At the site allocated by:**  Agriculture Knowledge Centre, Kalaiya (Bara) |  |

|  |
| --- |
|  |

1. **Technical Specification of Seed Gravity separator**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N.** | **Criteria** | **Required Technical Specifications** | **Offered Specifications** |
| 1 | General | The Machine should be capable to remove impurities on specific density principle, grains same in size but different in weight should be separated in any free-flowing granular material, grains all types of seeds, spices, etc. | ***Model:***  ***Country of Origin:*** |
| 2. | Capacity | Not less than 1 TPH based on Paddy |  |
| 3. | No. of Fans | Three |  |
| 4. | Size of Deck (mm.) | 800 x 1590 mm (W x L) |  |
| 5. | Type of Deck | Rectangular type. |  |
| 6. | Max. Power requirement | Not more than 3.75 kw, 440V, 3 phase, 50 cycles ac supply |  |
| 7 | CONSTRUCTIONAL FEATURES: | Fans should be dynamically balanced with individually adjustable metered air control for each fan for precise control of air flow |  |
| 8 | All the fans should be mounted on one common shaft with individual bearings. |  |
| 9 | Quantity of air from each fan should be adjusted independently and should be monitored with metering device for precise accuracy |  |
| 10 | Feeding Hopper with adjustable height & variable feeding rate through controlled gate |  |
| 11 | Variable oscillation speed of deck in wide range. Deck assembly is rested on four specially designed levers with Teflon bushings for smooth and trouble-free operation. |  |
| 12 | Deck speed should be controlled by VFD. |  |
| 13 | There should be variable inclination of deck sidewise and lengthwise in wide range. |  |
| 14 | Seed collecting spouts are fitted with bag holding clamps |  |
| 15 | Eccentrics are counter balanced giving smooth oscillation action to the deck. |  |
| 16 | Built in air filters should be easily removed for easy access to the moving parts. |  |
| 17 | Rectangular deck to be made of high-quality wood, quickly and easily interchangeable type. Deck removal is easy for cleaning purpose. |  |
| 18 | The deck is fitted with hydraulic/pressure cylinders for easy opening thereby facilitating routine cleaning and check-up for better efficiency and easy maintenance. |  |
|  | Warranty | Manufacturer shall provide minimum warranty valid for ***one year*** after the date of acceptance. |  |
|  | Initial Service and training | The supplier should provide minimum one day training to operators for operation and maintenance of the machine. |  |
|  | Delivery Place | **At the site allocated by:**  Agriculture Knowledge Centre, Kalaiya (Bara) |  |

1. **Technical Specification of INDENTED CYLINDER GRADER**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.N.** | **Criteria** | **Required Technical Specifications** | **Offered Specifications** |
| 1. | General | The Cylinder Grader should be an independent unit which shall be used in conjunction with Seed Grader. The Equipment should be capable for separating short kernels from long, broken or cut kernels from whole kernels & also round seeds from oblong ones. | ***Model:***  ***Country of Origin:*** |
| 2. | Capacity | Not less than 1 TPH based on paddy |  |
| 3. | No. of Cylinder | Not less than 2 |  |
| 4. | Size of each Cylinder | Not less than 1255X475 (LX Dia) |  |
| 5. | Power requirement | 1.5 KW, 3 phase, 50 cycles ac supply, control panel for operation |  |
| 6. | Rotational Speed of Cylinder | variable |  |
| 7. | Inclination angle of Cylinder | Fixed |  |
| 8. | **CONSTRUCTIONAL FEATURES:** | All steel construction with frame of steel channel in one section welded structure. |  |
| 9. | Spouts should be fitted with bag holding clamps. |  |
| 10. | Angle of the trough which receives the cut/broken grains must be adjustable in wide range. |  |
| 11. | Interchangeable type indented segments for grading various crop seeds. |  |
| 12 | All moving parts should be covered with protective guards. |  |
| 13 | The machine must be covered from all side as safety features all moving parts are covered with safety guard. |  |
| 14 | Additional Set of Indent Segment :- Additional indent segment must be provided for quick interchangeability. |  |
| **Vertical bucket elevators (v.b.) Elevator** | | | |
| 14 | General | Capacity – 3 TPH (Based on wheat) to feed Seed cleaner cum grader, **Self-supporting, centrifugal discharge** |  |
| 15 | Dump hopper | 1.6 mm thick M.S. Sheet, Heavy duty grating to remove chaff etc. |  |
| 16 | V-bottom boot  Assembly | Mounted on a heavy-duty shaft on self-aligned ball bearings. Two removable slide gates should be provided for easy and fast cleaning and rendering service to the bottom pulley. |  |
| 17 | Middle section  Legs | 1.6 mm thick GI sheet, it should be provided with flanges at both ends. Belt inspection door should be Provided at suitable height |  |
| 18 | Head casing | 2.0 mm thick GI sheet, Detachable split cover with rubber inside should be provided for accessibility to Head pulley. Head pulley should be rubberized and crowned for improved traction and should be mounted on a heavy-duty shaft and self-aligned ball bearings. Sprockets should be TLB type for easy and quick fitting. |  |
| 19 | Ladder and  Platform | Ladder, service platform with safety cage of suitable size and height should be provided to enable Accessibility to the head boot and made of M.S. |  |
| 20 | Belt and belt speed | NN belt should be used for fastening of buckets (cups). The belt speed should not exceed 0.9 m/sec. |  |
| 21 | Buckets | Buckets of self-cleaning type, HDPE should be used. These buckets should be fastened with cup-bolt and washers with belt. Spacers should be provided between buckets and belt to prevent damage to the seeds. |  |
| 22 | Discharge pipe | Suitable dia. Discharge pipe made of 2 mm M.S. Sheet with both end flanged should be used for discharging the grains/seeds |  |
| 23 | Electric drive | Complete with Geared motor of at least 0.75 KW and starter for operation on 440 V, 3 phases, 50 cycles, A.C. Supply. |  |
| 24 | Constructional  Features | All main structural frame should be welded and made by compact and sturdy pipe frame section not less than 4mm M.S Sheet. |  |
| **Others** | | | |
|  | Safety features | The machine should be covered from all side as safety features all moving parts are covered with safety guard. |  |
|  | Warranty | Manufacturer shall provide minimum warranty valid for ***one year*** after the date of acceptance. |  |
|  | Initial Service and training | The supplier should provide minimum one day training to operators for operation and maintenance of the machine. |  |
|  | Delivery Place | **At the site allocated by:**  Agriculture Knowledge Centre, Kalaiya (Bara) |  |

**Signature of Supplier………………….**

**Date……………………………**

**Office Stamp**