



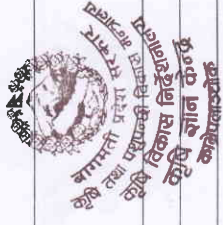
Bagmati Province  
Ministry of Agriculture and Livestock Development  
Directorate of Agriculture Development  
**Agriculture Knowledge centre**  
Kavre

शिलबन्दी दर्शाउ प्रस्ताव

F/Y: 2080/81

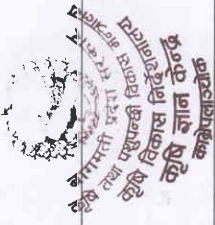
| S. N | Required Technical Specifications         | Bidder's specification                                                                                        | Rate in figure (including vat for applicable items) | Rate in Word | Remarks                                        |
|------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|------------------------------------------------|
| 1    | <b>Diesel Mini Tiller 5.5 hp category</b> |                                                                                                               |                                                     |              |                                                |
|      | Make & model of machine                   | ISO certified, Minitiller model, Engine Model no.                                                             |                                                     |              |                                                |
|      | Engine                                    | 4 stroke, single cylinder, inclined/vertical, forced air cooled, Diesel engine. power: <b>5.5 or above</b> HP |                                                     |              |                                                |
|      | Transmission system                       | wet type, friction multi plate clutch; no. of gear speed: 2 forward & 1 reverse and neutral                   |                                                     |              | आपूर्ति गरिने कृषि औजार                        |
|      | Model of transmission                     | Driven by gear system                                                                                         |                                                     |              | उपकरणहरुको                                     |
|      | Number of rotor blades                    | <b>24 blades or above.</b>                                                                                    |                                                     |              | स्पेशिफिकेशन, ब्रान्ड, मोडल,                   |
|      | Transportation wheel                      | Pneumatic tyre size(inch): 4.0:8 (4PR)                                                                        |                                                     |              | उत्पादक कम्पनी                                 |
|      | starting method                           | Manual or recoil starting system                                                                              |                                                     |              | र देश खुल्ने                                   |
|      | Steering handle                           | Height adjustment provided.                                                                                   |                                                     |              | Catalogue, Leaflets, Booklets or Brochures हरू |
|      | weight (Kg)                               | <b>Gross weight 80-110 kg</b>                                                                                 |                                                     |              | समेत संलग्न गर्नुपर्नेछ ।                      |
|      | Width of cut(cm)                          | 75 to 100                                                                                                     |                                                     |              |                                                |
|      | Depth of cut(cm)                          | 10-15                                                                                                         |                                                     |              |                                                |
|      | Productivity (ha/h)                       | 0.1 to 0.12                                                                                                   |                                                     |              |                                                |
|      | fuel consumption (lit/hr)                 | <u>&lt;1</u>                                                                                                  |                                                     |              |                                                |
|      | Fuel tank capacity(liter)                 | 2.5 to 3.5                                                                                                    |                                                     |              |                                                |
|      | Air cleaner                               | Oil bath type                                                                                                 |                                                     |              |                                                |

| S. N | Required Technical Specifications       |                                                                                                    | Bidder's specification                                                             | Rate in figure<br>(including vat<br>for applicable<br>items) | Rate in Word | Remarks |
|------|-----------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------|---------|
|      | operation manual                        | One set of operation/maintenance manual                                                            |  |                                                              |              |         |
|      | Accessories parts and tools             | One set of complete tool box, mini tiller filled with lubricant and Gear oil.                      |                                                                                    |                                                              |              |         |
|      | Servicing                               | Two free servicing.                                                                                |                                                                                    |                                                              |              |         |
| 2    | <b>Diesel Mini Tiller 7 hp category</b> |                                                                                                    |                                                                                    |                                                              |              |         |
|      | Make & model of machine                 | ISO certified, Minitiller model, Engine Model no.                                                  |                                                                                    |                                                              |              |         |
|      | Engine                                  | 4 stroke, single cylinder, inclined/vertical, forced air cooled, Diesel engine. power: 6.5 to 7 HP |                                                                                    |                                                              |              |         |
|      | Transmission system                     | Wet type, friction multi plate clutch; no. of gear speed: 2 forward & 1 reverse and neutral        |                                                                                    |                                                              |              |         |
|      | Model of transmission                   | driven by gear system                                                                              |                                                                                    |                                                              |              |         |
|      | Number of rotor blades                  | 32 blades.                                                                                         |                                                                                    |                                                              |              |         |
|      | Transportation wheel                    | Pneumatic tyre size (inch): 4.0:8 (4PR)                                                            |                                                                                    |                                                              |              |         |
|      | Starting method                         | Recoil starting system                                                                             |                                                                                    |                                                              |              |         |
|      | Steering handle                         | Height adjustment provided.                                                                        |                                                                                    |                                                              |              |         |
|      | Weight (Kg)                             | Gross weight 120-130 kg                                                                            |                                                                                    |                                                              |              |         |
|      | Width of cut (cm)                       | 105 to 130                                                                                         |                                                                                    |                                                              |              |         |
|      | Depth of cut (cm)                       | 10-15                                                                                              |                                                                                    |                                                              |              |         |
|      | Productivity (ha/h)                     | 0.12 to 0.16                                                                                       |                                                                                    |                                                              |              |         |
|      | Fuel tank capacity (liter)              | 3.5 to 4                                                                                           |                                                                                    |                                                              |              |         |
|      | Lubrication oil capacity (L)            | 1 or more                                                                                          |                                                                                    |                                                              |              |         |
|      | Air cleaner                             | Oil bath type                                                                                      |                                                                                    |                                                              |              |         |
|      | operation manual                        | One set of operation, maintenance manual                                                           |                                                                                    |                                                              |              |         |

| S.N | Required Technical Specifications |                                                                                                  | Bidder's specification                                                             | Rate in figure (including vat for applicable items) | Rate in Word | Remarks |
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|     | Accessories parts and tools       | One set of complete tool box, mini tiller filled with lubricant and Gear oil.                    |  |                                                     |              |         |
|     | Servicing                         | Two free servicing.                                                                              |                                                                                    |                                                     |              |         |
| 3   | Petrol Mini Tiller 7 hp category  |                                                                                                  |                                                                                    |                                                     |              |         |
|     | Make & model of machine           | ISO certified, Minitiller model, Engine Model no.                                                |                                                                                    |                                                     |              |         |
|     | Engine                            | 4 stroke, single cylinder, inclined/vertical, forced air cooled gasoline engine. power: 6.5-7 HP |                                                                                    |                                                     |              |         |
|     | Transmission system               | wet type, friction clutch, gear system, no. of gear speed:2 forward &1 reverse and neutral       |                                                                                    |                                                     |              |         |
|     | Model of transmission             | driven by gear system                                                                            |                                                                                    |                                                     |              |         |
|     | number of rotor blades            | 24-32 blades                                                                                     |                                                                                    |                                                     |              |         |
|     | Transportation wheel              | Pneumatic tyre size (inch):4.0:8                                                                 |                                                                                    |                                                     |              |         |
|     | starting method                   | manual or recoil starting system                                                                 |                                                                                    |                                                     |              |         |
|     | weight (Kg)                       | with transportation wheel:76-80                                                                  |                                                                                    |                                                     |              |         |
|     | Width of cut(cm)                  | 75 to 100                                                                                        |                                                                                    |                                                     |              |         |
|     | Depth of cut(cm)                  | 10-15                                                                                            |                                                                                    |                                                     |              |         |
|     | Productivity (m <sup>2</sup> /h)  | 600-750                                                                                          |                                                                                    |                                                     |              |         |
|     | Fuel tank capacity(liter)         | 3.6 to 4                                                                                         |                                                                                    |                                                     |              |         |
|     | operation manual                  | one set of operation/maintenance manual                                                          |                                                                                    |                                                     |              |         |
|     | Accessories parts and tools       | One set of complete tool box, mini tiller filled with lubricant and Gear oil.                    |                                                                                    |                                                     |              |         |
|     | Servicing                         | Two free servicing.                                                                              |                                                                                    |                                                     |              |         |
| 4   | Petrol Mini Tiller 9 hp category  |                                                                                                  |                                                                                    |                                                     |              |         |
|     | Make & model of machine           | ISO certified, Minitiller model, Engine Model no.                                                |                                                                                    |                                                     |              |         |



| S. N | Required Technical Specifications                                                                                                                                                                                                                                                |                                                                                                         | Bidder's specification                                                                                                                                                               | Rate in figure (including vat for applicable items) | Rate in Word | Remarks |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|---------|
|      | Engine                                                                                                                                                                                                                                                                           | 4 stroke, single cylinder, inclined/vertical, forced air cooled gasoline engine. power: <b>8.5-9 HP</b> | <br>भारत सरकार<br>कृषि तथा पशुधन विकास विभाग<br>कृषि विकास विभाग<br>कृषि नौकरी<br>कृषि विकास विभाग |                                                     |              |         |
|      | Transmission system                                                                                                                                                                                                                                                              | wet type, friction clutch, gear system, no. of gear speed:2 forward &1 reverse and neutral              |                                                                                                                                                                                      |                                                     |              |         |
|      | Model of transmission                                                                                                                                                                                                                                                            | driven by gear system                                                                                   |                                                                                                                                                                                      |                                                     |              |         |
|      | number of rotor blades                                                                                                                                                                                                                                                           | 32 blades                                                                                               |                                                                                                                                                                                      |                                                     |              |         |
|      | Transportation wheel                                                                                                                                                                                                                                                             | Pneumatic tyre size(inch):4.0:8                                                                         |                                                                                                                                                                                      |                                                     |              |         |
|      | starting method                                                                                                                                                                                                                                                                  | recoil starting system                                                                                  |                                                                                                                                                                                      |                                                     |              |         |
|      | weight (Kg)                                                                                                                                                                                                                                                                      | with transportation wheel:100-115                                                                       |                                                                                                                                                                                      |                                                     |              |         |
|      | Width of cut(cm)                                                                                                                                                                                                                                                                 | 100 to 130                                                                                              |                                                                                                                                                                                      |                                                     |              |         |
|      | Depth of cut(cm)                                                                                                                                                                                                                                                                 | 10-15                                                                                                   |                                                                                                                                                                                      |                                                     |              |         |
|      | Productivity (m²/h)                                                                                                                                                                                                                                                              | 700-800                                                                                                 |                                                                                                                                                                                      |                                                     |              |         |
|      | Fuel tank capacity(litre)                                                                                                                                                                                                                                                        | 5 or above                                                                                              |                                                                                                                                                                                      |                                                     |              |         |
|      | operation manual                                                                                                                                                                                                                                                                 | one set of operation/maintenance manual                                                                 |                                                                                                                                                                                      |                                                     |              |         |
|      | Accessories parts and tools                                                                                                                                                                                                                                                      | One set of complete tool box, <b>mini tiller filled with lubricant and Gear oil.</b>                    |                                                                                                                                                                                      |                                                     |              |         |
|      | Servicing                                                                                                                                                                                                                                                                        | <b>Two free servicing.</b>                                                                              |                                                                                                                                                                                      |                                                     |              |         |
| 5    | <b>Maize sheller</b>                                                                                                                                                                                                                                                             |                                                                                                         |                                                                                                                                                                                      |                                                     |              |         |
|      | Single tube corn Sheller; Dimensions: 500mm × 270mm × 500mm (±5%); Weight: 10 kg (without motor). Speed: 1800r/min; Production efficiency: 0.8 T/h. Supporting power: Single phase motor 0.65Kw or more. Voltage: 220V/50hz. Purity: >95%; Broken rate: <1, 5%. Frame: MS Angle. |                                                                                                         |                                                                                                                                                                                      |                                                     |              |         |
| 6    | <b>Power Sprayer</b>                                                                                                                                                                                                                                                             |                                                                                                         |                                                                                                                                                                                      |                                                     |              |         |
|      | Power sprayer Suitable for spraying chemicals at farms, gardens, and agriculture land. 4 stroke, gasoline engine                                                                                                                                                                 |                                                                                                         |                                                                                                                                                                                      |                                                     |              |         |

| S. N | Required Technical Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Bidder's specification                                                             | Rate in figure (including vat for applicable items) | Rate in Word | Remarks |
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|      | power 5 hp or more, 3600 RPM, Pressure 20-40 kg/cm <sup>2</sup> , hose pipe 40 m or more, output 18-22 liter per minute. Vertical spraying range 10 m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                     |              |         |
| 7    | <b>Self-propelled reaper</b><br>Self-propelled vertical conveyer Reaper Suitable for Harvesting of Wheat, Paddy, Mustard etc. Engine: Single cylinder, 4 stroke water cooled radiator type diesel engine. Power Requirements 6 (hp). Rated Engine Speed (rpm)3600, Engine Oil Capacity 1 (L), Minimum Fuel Tank Capacity (L)3.6 or above. Starting System: Hand Cranking; Mode of Transmission Through Belt and Pulley. Main Transmission Box-Chain and Sprocket. No. of Gears-Forward 1, Reverse 1. Tyres-5.00*12-8PR Pneumatic tyres. Steering System-Manual Clutch system. Productivity (m <sup>2</sup> /hr)-1800 or above; Minimum cutting height-50 mm. Minimum Cutting Width (mm)1200. No. of Crop Divider-5; No. of Guiding Wheels-4. Crop Conveyor-2 nos. Placing type Sidewise windrowing. Gross Weight (Kg) 250 approx. Accessories-As Per Need. |                                                                                    |                                                     |              |         |
| 8    | <b>Electrical combine mill</b><br>Power source<br>3-4 hp (2.2-3 kw) 1PH, 220V/50Hz/2800RPM. (100 percent copper wire binding motor)<br>Body material<br>metallic steel<br>Capacity<br>>80kg/hr for rice de-husking; >150 kg for grinding<br>Feeding<br>hopper having adjustable feed rate mechanism<br>Outlet<br>should have adjustable system in outlet, polyester spout cloth provided<br>Compartment<br>rice and disc grind compartment one single machine                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                    |                                                     |              |         |

| S. N | Required Technical Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bidder's specification                                                             | Rate in figure (including vat for applicable items) | Rate in Word | Remarks |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|---------|
|      | <p>Rotor diameter (mm) rice mill: not less than 40; disc mill: not less than 210</p> <p>Sieve (mm) aperture :1.2</p> <p>Feature required application in both milling of cereals such as rice, wheat, millet and paddy. Gross wt. 75 kg or above</p> <p>Safety protective covers on moving parts such as belt, blades, pulley etc</p>                                                                                                                                                                  |  |                                                     |              |         |
| 9    | <p><b>Two in one electrical sprayer</b></p> <p>Agricultural chargeable knapsack sprayer (2 in 1), Tank capacity 16 L. PUMP TYPE: 12 V Motor operated diaphragm type with 2-3 liter per minute capacity, Speed 3000-3600 rpm. Battery 12 V, 8-9AH rechargeable.</p> <p><b>Charger input: 100-240V AC, 50HZ, output: 12V DC 1.5A.</b> Minimum Working pressure 0.4 M Pascal. Nozzles Minimum 2 pieces. Lance material: Stainless steel. Hand pumping Rocking rod.</p>                                   |                                                                                    |                                                     |              |         |
| 10   | <p><b>Combined Power Thresher</b></p> <p>Gasoline power operated multi crop thresher of threshing Rice, wheat etc. Capacity (paddy): ≥300 kg/hr. <b>Cyclone Grain cleaning.</b> Power: Gasoline engine, ≥6.5 hp, 4 stroke, petrol, air cooled, single cylinder, Fuel tank capacity: ≥3.6 L. Rated RPM: 3000-3600. Roller speed ≥800 RPM. Breakage rate &lt;2%. Cleaning fan speed &gt;2000 RPM. Transportation wheel: Pneumatic tyre. Gross weight 70 kg or above. Safety: Protective covers etc.</p> |                                                                                    |                                                     |              |         |
| 11   | <p><b>Bed former</b></p> <p>Adjustable furrow size bed former furrow attaching on mini tiller. Painted black and made of MS iron, weight not less than 3 kg. tilling width 200-300mm, depth 120-200mm.</p>                                                                                                                                                                                                                                                                                            |                                                                                    |                                                     |              |         |
| 12   | <p><b>Power tiller</b></p> <p>General Agricultural diesel Power tiller suitable for wet and dryland condition of Nepal. The weight of</p>                                                                                                                                                                                                                                                                                                                                                             |                                                                                    |                                                     |              |         |

| S. N | Required Technical Specifications  |                                                                                                                                                       | Bidder's specification                                                                                                                                                                               | Rate in figure (including vat for applicable items) | Rate in Word | Remarks |
|------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------|---------|
|      |                                    | the power tiller with Rotavator shall be 400-450 kgs.                                                                                                 |  <p>भारत सरकार<br/>कृषि तथा पशुपक्षी विकास विभाग<br/>कृषि विकास निर्देशिका<br/>कृषि योजना केन्द्र<br/>काठमाडौं</p> |                                                     |              |         |
|      | Engine                             | Horizontal single cylinder, 4 stoke Water Cooled diesel engine, The maximum power output shall be in the range of <b>12± (5%) HP</b> at governed RPM. |                                                                                                                                                                                                      |                                                     |              |         |
|      | Starting System                    | Hand Cranking                                                                                                                                         |                                                                                                                                                                                                      |                                                     |              |         |
|      | Transmission                       | Gear Type                                                                                                                                             |                                                                                                                                                                                                      |                                                     |              |         |
|      | Fuel Tank                          | Minimum 10 Liter                                                                                                                                      |                                                                                                                                                                                                      |                                                     |              |         |
|      | Cooling                            | Water cooled                                                                                                                                          |                                                                                                                                                                                                      |                                                     |              |         |
|      | Turning speed of rototilling shaft | 300-550 RPM                                                                                                                                           |                                                                                                                                                                                                      |                                                     |              |         |
|      | Rototilling width                  | 600 mm minimum, number of blades minimum 18                                                                                                           |                                                                                                                                                                                                      |                                                     |              |         |
|      | Tyre size                          | 6.00-12                                                                                                                                               |                                                                                                                                                                                                      |                                                     |              |         |
|      | Minimum ground clearance           | 185 mm                                                                                                                                                |                                                                                                                                                                                                      |                                                     |              |         |
|      | Manual                             | One copy of the operator's manual in English/Nepali/Hindi                                                                                             |                                                                                                                                                                                                      |                                                     |              |         |
|      | Tools                              | A set of tools for general maintenance                                                                                                                |                                                                                                                                                                                                      |                                                     |              |         |
|      | Color                              | Standard                                                                                                                                              |                                                                                                                                                                                                      |                                                     |              |         |
|      | Warranty                           | Manufacturer shall provide minimum warranty valid for <b>one year</b> after the date of acceptance.                                                   |                                                                                                                                                                                                      |                                                     |              |         |
|      | Initial Service and training       | The supplier shall provide the power tiller with all the necessary lubricants in ready to start condition.                                            |                                                                                                                                                                                                      |                                                     |              |         |
|      | Warranty                           | Minimum one year                                                                                                                                      |                                                                                                                                                                                                      |                                                     |              |         |