

### Technical Specification of Mini Tiller

| S.No. | Particulars/Parameters | Required Specification                                                                                     | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model            | Make: 2025 or latest model; Brand; Model : any                                                             |                       |                             |                        |
| 2     | General                | Mini tiller of standard design having gross weight not less than 100 Kg, including gear oil and engine oil |                       |                             |                        |
| 3     | Engine Type            | 4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine                                         |                       |                             |                        |
| 4     | Engine Model           | 173F                                                                                                       |                       |                             |                        |
| 5     | Transmission system    | Gear drive(1- Reverse, 2-Forward( both high and low)                                                       |                       |                             |                        |
| 6     | Engine Speed           | 3600 rpm                                                                                                   |                       |                             |                        |
| 7     | Start Method           | Electric Start/Recoil                                                                                      |                       |                             |                        |
| 8     | Fuel Tank Capacity     | Minimum 2.5 litres                                                                                         |                       |                             |                        |
| 9     | Tilling Width          | ≥ 700mm                                                                                                    |                       |                             |                        |
| 10    | Tilling Depth          | ≥ 100mm                                                                                                    |                       |                             |                        |
| 11    | Minimum no. of Blades  | ≥ 24                                                                                                       |                       |                             |                        |
| 12    | Engine Oil             | 1 L                                                                                                        |                       |                             |                        |
| 13    | Gear Oil               | 1.5 L                                                                                                      |                       |                             |                        |
| 14    | Manuals                | 1 copy of Operators and Owner manual instruction in English/ Nepali.                                       |                       |                             |                        |
| 15    | Tools                  | A set of tool required for general maintenance                                                             |                       |                             |                        |
| 16    | Colour                 | Standard Colour                                                                                            |                       |                             |                        |
| 17    | Warranty Period        | Manufacturer should provide minimum one(1) year warranty                                                   |                       |                             |                        |

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|-------|------------------------|------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model            | Make: 2025 or latest model; Brand; Model : any                                                             |                       |                             |                        |
| 2     | General                | Mini tiller of standard design having gross weight not less than 120 Kg, including gear oil and engine oil |                       |                             |                        |
| 3     | Engine Type            | 4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine                                         |                       |                             |                        |
| 4     | Engine Model           | 178F                                                                                                       |                       |                             |                        |
| 5     | Transmission system    | Wet type, friction multi-plate clutch                                                                      |                       |                             |                        |
| 6     | Start Method           | Recoil/Manual                                                                                              |                       |                             |                        |
| 7     | Fuel Tank Capacity     | Minimum 3.5 litres                                                                                         |                       |                             |                        |
| 8     | Tilling Width, mm      | ≥ 1050                                                                                                     |                       |                             |                        |
| 9     | Tilling Depth, mm      | ≥ 150                                                                                                      |                       |                             |                        |
| 10    | Minimum no. of Blades  | 32 Pcs                                                                                                     |                       |                             |                        |
| 11    | Gearshift Speed        | 2 Fwd, and 1 Rev Gear                                                                                      |                       |                             |                        |
| 12    | Steering Handle        | UP-Down                                                                                                    |                       |                             |                        |
| 13    | Bore*stroke(mm)        | 78*62                                                                                                      |                       |                             |                        |
| 14    | Displacement, CC       | 296                                                                                                        |                       |                             |                        |
| 15    | Engine Speed, rpm      | 3600                                                                                                       |                       |                             |                        |
| 16    | Engine Oil, L          | 1.2                                                                                                        |                       |                             |                        |
| 17    | Gear Oil, L            | 2.6                                                                                                        |                       |                             |                        |
| 18    | Manuals                | 1 copy of Operators and Owner manual instruction in English/ Nepali.                                       |                       |                             |                        |
| 19    | Tools                  | A set of tool required for general maintenance                                                             |                       |                             |                        |
| 20    | Colour                 | Standard Colour                                                                                            |                       |                             |                        |
| 21    | Warranty Period        | Manufacturer should provide minimum one(1) year warranty                                                   |                       |                             |                        |

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| 1     | Brand/model            | Make: 2025 or latest model; Brand; Model : any                                                            |                       |                             |                        |
| 2     | General                | Mini tiller of standard design having gross weight not less than 80 Kg, including gear oil and engine oil |                       |                             |                        |
| 3     | Engine Type            | 4 Stroke, Single Cylinder, Forced air cooled system, Petrol Engine                                        |                       |                             |                        |
| 4     | Engine Model           | 170F                                                                                                      |                       |                             |                        |
| 5     | Transmission system    | Gear drive(1- Reverse, 2-Forward)                                                                         |                       |                             |                        |
| 6     | Bore*stroke            | 70*54 mm                                                                                                  |                       |                             |                        |
| 7     | Engine Speed           | 3600 rpm                                                                                                  |                       |                             |                        |
| 8     | Start Method           | Manual Start/Recoil                                                                                       |                       |                             |                        |
| 9     | Fuel Tank Capacity     | Minimum 3.5 litres                                                                                        |                       |                             |                        |
| 10    | Lubrication Oil Volume | 0.8 L                                                                                                     |                       |                             |                        |
| 11    | Gear Oil               | 1.5 L                                                                                                     |                       |                             |                        |
| 12    | Tilling Width          | ≥ 1050mm                                                                                                  |                       |                             |                        |
| 13    | Tilling Depth          | ≥ 150mm                                                                                                   |                       |                             |                        |
| 14    | Minimum no. of Blades  | ≥ 24                                                                                                      |                       |                             |                        |
| 15    | Manuals                | 1 copy of Operators and Owner manual instruction in English/ Nepali.                                      |                       |                             |                        |
| 16    | Tools                  | A set of tool required for general maintenance                                                            |                       |                             |                        |
| 17    | Colour                 | Standard Colour                                                                                           |                       |                             |                        |
| 18    | Warranty Period        | Manufacturer should provide minimum one(1) year warranty                                                  |                       |                             |                        |

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### Technical Specification of Mini Tiller

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|-------|------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model            | Make: 2025 or latest model; Brand; Model : any                                                                 |                       |                             |                        |
| 2     | General                | Mini tiller of standard design having gross vehicle weight not less than 175 kg.                               |                       |                             |                        |
| 3     | Engine                 | 4 Stroke, Single Cylinder, Forced air cooled system, Diesel Engine                                             |                       |                             |                        |
| 4     | Starting Type          | Manual/Recoil Start                                                                                            |                       |                             |                        |
| 5     | Transmission System    | Gear drive(1- Reverse, 2-Forward)                                                                              |                       |                             |                        |
| 6     | Rated Output           | 6.3±0.2 KW                                                                                                     |                       |                             |                        |
| 7     | Engine Speed           | 3600 rpm                                                                                                       |                       |                             |                        |
| 8     | Tilling Width          | 1350 mm or above.                                                                                              |                       |                             |                        |
| 9     | Tilling Depth          | 150 mm or above                                                                                                |                       |                             |                        |
| 10    | Fuel Tank Capacity     | Minimum 5.5 Liters                                                                                             |                       |                             |                        |
| 11    | Engine Oil             | 1.6 L                                                                                                          |                       |                             |                        |
| 12    | Gear Oil               | 2.6 L                                                                                                          |                       |                             |                        |
| 13    | Tyre                   | Standard Size                                                                                                  |                       |                             |                        |
| 14    | No. of Blades          | Minimum 40 pieces                                                                                              |                       |                             |                        |
| 15    | Colour                 | Standard Color                                                                                                 |                       |                             |                        |
| 16    | Tools                  | A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit |                       |                             |                        |
| 17    | Warranty               | Manufacturer shall provide a minimum one(1) year warranty                                                      |                       |                             |                        |

### Technical Specification of Combine Mill

| S.No. | Particulars/Parameters         | Required Specification                                                                                                                                                                                          | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model                    | Any                                                                                                                                                                                                             |                       |                             |                        |
| 2     | Roller Dimension               | 40*370 mm                                                                                                                                                                                                       |                       |                             |                        |
| 3     | Automation Grade               | Semi-Automatic                                                                                                                                                                                                  |                       |                             |                        |
| 4     | Machine weight excluding motor | ≥75 Kg                                                                                                                                                                                                          |                       |                             |                        |
| 5     | Milling Efficiency             | ≥180 Kg/hr                                                                                                                                                                                                      |                       |                             |                        |
| 6     | Crushing Efficiency            | ≥250 kg/hr                                                                                                                                                                                                      |                       |                             |                        |
| 7     | Min Rated Power                | 2.2±0.2 KW (Single phase, 100% copper wire binding motor)                                                                                                                                                       |                       |                             |                        |
| 8     | Motor Rotational Speed         | 2800 rev/min                                                                                                                                                                                                    |                       |                             |                        |
|       | Colour                         | Standard Colour                                                                                                                                                                                                 |                       |                             |                        |
| 9     | Warranty and Documentation     | •Manufacturer should provide minimum one(1) year warranty.<br>•Operating manual, service manual, Certificate of calibration and inspection from factory, dealership authorized letter from manufacture company. |                       |                             |                        |

### Technical Specification of Digital Weighing Machine (100 Kg)

| S.No. | Particulars/Parameters     | Required Specification                                                                                                                                                           | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model                | Any                                                                                                                                                                              |                       |                             |                        |
| 2     | Maximum Weighing Capacity  | At least 100 Kg                                                                                                                                                                  |                       |                             |                        |
| 3     | Accuracy                   | ±25 gm                                                                                                                                                                           |                       |                             |                        |
| 4     | Platform Size Approx       | 400*400 mm                                                                                                                                                                       |                       |                             |                        |
| 5     | Others                     | •Easy to handle and carry<br>•Bright LED Display,<br>•Overload Protection,<br>•Battery Backup,<br>•Push button keys,<br>•Auto zero tracking,<br>•Stainless steel plate/MS Plate. |                       |                             |                        |
| 6     | Certification              | Nepal Bureau of Standards and Metrology                                                                                                                                          |                       |                             |                        |
| 7     | Instruction                | All sign instruction in the machine shall be in English/Nepali                                                                                                                   |                       |                             |                        |
| 8     | Colour                     | Standard Colour                                                                                                                                                                  |                       |                             |                        |
| 9     | Warranty and Documentation | •Manufacturer should provide minimum one(1) year warranty.<br>•Operating and Maintenance manual and parts catalog should be provided in English/Nepali                           |                       |                             |                        |

### Technical Specification of Digital Weighing Machine (50 Kg)

| S.No. | Particulars/Parameters    | Required Specification                                                                                                                                                           | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model               | Any                                                                                                                                                                              |                       |                             |                        |
| 2     | Maximum Weighing Capacity | At least 50 Kg                                                                                                                                                                   |                       |                             |                        |
| 3     | Accuracy                  | ±15 gm                                                                                                                                                                           |                       |                             |                        |
| 4     | Platform Size Approx      | 300*400 mm                                                                                                                                                                       |                       |                             |                        |
| 5     | Others                    | •Easy to handle and carry<br>•Bright LED Display,<br>•Overload Protection,<br>•Battery Backup,<br>•Push button keys,<br>•Auto zero tracking,<br>•Stainless steel plate/MS Plate. |                       |                             |                        |

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|   |                            |                                                                                                                                                        |  |  |  |
|---|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 6 | Certification              | Nepal Bureau of Standards and Metrology                                                                                                                |  |  |  |
| 7 | Instruction                | All sign instruction in the machine shall be in English/Nepali                                                                                         |  |  |  |
| 8 | Colour                     | Standard Colour                                                                                                                                        |  |  |  |
| 9 | Warranty and Documentation | •Manufacturer should provide minimum one(1) year warranty.<br>•Operating and Maintenance manual and parts catalog should be provided in English/Nepali |  |  |  |

#### Technical Specification of Brush Cutter

| S.No. | Particulars/Parameters | Required Specification                         | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Brand/model            | Make: 2025 or latest model; Brand; Model : any |                       |                             |                        |
| 2     | Type                   | Backpack                                       |                       |                             |                        |
| 3     | Power                  | 1.46±0.2 KW                                    |                       |                             |                        |
| 4     | Engine Type            | 2 Stroke                                       |                       |                             |                        |
| 5     | Power Source           | Petrol                                         |                       |                             |                        |
| 6     | Displacement           | 51.7 CC                                        |                       |                             |                        |
| 7     | Fuel Tank Capacity     | ≥1.1 L                                         |                       |                             |                        |
| 8     | Speed                  | ≥6500 RPM                                      |                       |                             |                        |
| 9     | Fuel Consumption       | ≤600 ml/hr                                     |                       |                             |                        |
| 10    | Gross Weight           | ≥11 Kg                                         |                       |                             |                        |

#### Technical Specification of Pellete Machine

| S.No. | Particulars/Parameters     | Required Specification | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|----------------------------|------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Pellete Type               | Sinking                |                       |                             |                        |
| 2     | Motor Power                | ≥2 HP                  |                       |                             |                        |
| 3     | Revolution Speed           | 1400-3000 RPM          |                       |                             |                        |
| 4     | Capacity                   | 50-80 Kg/hr            |                       |                             |                        |
| 5     | Electricity Power Required | Single Phase, 220 V    |                       |                             |                        |

#### Technical Specification of Secateur

| S.No. | Particulars/Parameters | Required Specification | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Make and Model         | Any                    |                       |                             |                        |
| 2     | Type                   | Bypass Secateur        |                       |                             |                        |
| 3     | Cutting Thickness      | ≥1.5 cm                |                       |                             |                        |
| 4     | Product Weight         | ≥300 gm                |                       |                             |                        |
| 5     | Product Height         | ≥20 cm                 |                       |                             |                        |
| 6     | Body Material          | Sheet Iron             |                       |                             |                        |
| 7     | Blade Length           | ≥60 mm                 |                       |                             |                        |
| 8     | Blad Material          | Hardened Steel         |                       |                             |                        |
| 9     | Blade Type             | Folding Blade          |                       |                             |                        |

#### Technical Specification of Pruning Saw

| S.No. | Particulars/Parameters | Required Specification                                             | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|--------------------------------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Make and Model         | Any                                                                |                       |                             |                        |
| 2     | Material               | High Carbon Steel with conical blade shape                         |                       |                             |                        |
| 3     | Handle Material        | Plastic                                                            |                       |                             |                        |
| 4     | Teeth                  | 3D surface, Impulse heat treatment and double colour PP + TPR grip |                       |                             |                        |
| 5     | Blade Length           | ≥350 mm                                                            |                       |                             |                        |
| 6     | Total Length           | ≥ 520 mm                                                           |                       |                             |                        |
| 7     | Teeth                  | Two way                                                            |                       |                             |                        |
| 8     | Weight                 | ≥350 gm                                                            |                       |                             |                        |

#### Technical Specification of Folding Ladder

| S.No. | Particulars/Parameters | Required Specification       | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Material               | Aluminum                     |                       |                             |                        |
| 2     | Type                   | Folding/Multipurpose         |                       |                             |                        |
| 3     | Color                  | Silver                       |                       |                             |                        |
| 4     | Net Weight             | ≥9 Kg                        |                       |                             |                        |
| 5     | Total no. of steps     | 11 (6*5)                     |                       |                             |                        |
| 6     | Space between rungs    | 30 cm                        |                       |                             |                        |
| 7     | A step ladder length   | ≥3.6 m                       |                       |                             |                        |
| 8     | Scaffolding length     | ≥2.1 m                       |                       |                             |                        |
| 9     | Foot width             | 51 cm                        |                       |                             |                        |
| 10    | Head width             | 38 cm                        |                       |                             |                        |
| 11    | Scaffolding height     | 1.75 m                       |                       |                             |                        |
| 12    | Base                   | Anti -slip safety shoes/feet |                       |                             |                        |

*Anish*

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### Technical Specification of Juicer Machine

| S.No. | Particulars/Parameters | Required Specification | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Material               | Stainless Steel        |                       |                             |                        |
| 2     | Type                   | Manually Operated      |                       |                             |                        |
| 3     | Colour                 | Standard               |                       |                             |                        |
| 4     | Overall dimension (mm) | 280*200*430            |                       |                             |                        |
| 5     | Weight                 | ≥6.6 Kg                |                       |                             |                        |
| 6     | For                    | Orange                 |                       |                             |                        |

### Technical Specification of Ginger Slicer

| S.No. | Particulars/Parameters | Required Specification                       | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|------------------------|----------------------------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Material               | Stainless Steel                              |                       |                             |                        |
| 2     | Voltage                | 3 Phase/ Single Phase                        |                       |                             |                        |
| 3     | Capacity               | ≥600 kg/hr                                   |                       |                             |                        |
| 4     | Power Requirement      | 1.5-2.5 HP                                   |                       |                             |                        |
| 5     | Blade Type             | High-quality stainless steel cutting blades  |                       |                             |                        |
| 6     | Slicing Thickness      | Adjustable based on requirement              |                       |                             |                        |
| 7     | Weight                 | ≥120 Kg                                      |                       |                             |                        |
| 8     | Safety Features        | Protective cover and feed inlet safety guard |                       |                             |                        |

### Technical Specification of Chaff Cutter

| S.No. | Particulars/Parameters                        | Required Specification      | Offered Specification | Offered Price including VAT | Offered Price in Words |
|-------|-----------------------------------------------|-----------------------------|-----------------------|-----------------------------|------------------------|
| 1     | Type                                          | Electric                    |                       |                             |                        |
| 2     | Length of Chaff Cut                           | 1-3 cm                      |                       |                             |                        |
| 3     | No. of Blades                                 | At least 2 no.              |                       |                             |                        |
| 4     | Feeding Mouth                                 | Minimum 7 inches            |                       |                             |                        |
| 5     | Capacity of Machine                           | ≥250 kg/hr                  |                       |                             |                        |
| 6     | Feeder Roller                                 | 2 No.                       |                       |                             |                        |
| 7     | Cutting Blades                                | Special Alloy Steel         |                       |                             |                        |
| 8     | Belt                                          | V-Belt/Chain                |                       |                             |                        |
| 9     | Material                                      | Head and Frame made of Iron |                       |                             |                        |
| 10    | Electric Motor                                | 1.46±0.2 KW                 |                       |                             |                        |
| 11    | Phase                                         | Single Phase                |                       |                             |                        |
| 12    | Voltage                                       | 180-240V                    |                       |                             |                        |
| 13    | Motor RPM                                     | ≥700 RPM                    |                       |                             |                        |
| 14    | Weight of Machine with Motor, V-Belt and Head | At least 85 Kg              |                       |                             |                        |
| 15    | Colour                                        | Standard Colour             |                       |                             |                        |

### Technical Specifications

| S.No. | Description           | Required Specification                                                                                                                      | Unit   | Offered Price including VAT | Offered Price in Words |
|-------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------|------------------------|
| 1     | Orange Harvesting Net | High-Density Polyethylene(HDPE) Harvesting net, UV stabilized, tear-resistant, mesh size 10-15 mm, GSM 120-150                              | Sqm/kg |                             |                        |
| 2     | Anti-Hail Net         | HDPE plastic, white in colour, 9 m wide and 30 m long, designed to protect crops from hail while allowing air and sunlight to pass through. | Sqm/kg |                             |                        |

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Instructions: •All signs and instructions in the farm machinery as per as possible shall be in English or other Standard Language

•It is mandatory for all suppliers to complete the offered specification column.

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Tools: A set of tools as required for general maintenance shall be supplied with require Farm Machine.

Warranty : Manufacturer shall provide atleast one-year of warranty after acceptance.

Proven Performance: The suppliers shall provide the manufacturer's data of the performance or Test Report of Required.

Training: For all farm machinery the supplier should provide Operator and General maintenance training/Demonstration to farmers/operators.

Delivery: The machinery shall be provided in NAMP Okhaldhunga and Solukhumbhu District.