

### Technical Specification of Mini tiller (7 HP )

Office :- Patan Municipality Patan, Baitadi

Quantity:-

| S.N. | Criteria              | Requirement  | Offered Specification                               |
|------|-----------------------|--|---|
| 1    | General               | Mini tiller of single cylinder should be suitable for agricultural work done in Nepal at an altitude upto 2500 meter and in ambient temperature 0 to 50 degree centigrade. <b>Gross Weight of the Mini Tiller shall not be less than 110 kg.</b> |   |
| 2    | Engine                | single cylinder 4-stroke, Diesel engine, <b>Maximum rated power output not less than 7 HP or 4.2 KW at governed RPM .</b>  | Make:<br>Model:<br>Mfg. year:<br>Country of origin: |
| 3    | Emission stanadard    | The Emission Standard of the vehicle should be "Vehicle Mass Emission Standard" of Nepal .   |   |
| 4    | Cooling System        | <b>Air- cooled.</b>  |   |
| 5    | Clutch                | Single Plate Dry type.   |   |
| 6    | Transmission          | <b>At least 2 forward and one reverse gear.</b>  |   |
| 7    | Start method          | manual or electric .   |   |
| 8    | Fuel tank             | <b>Minimum 3.5 liter or above.</b>   |   |
| 9    | Tilling Width         | <b>Minimum 1000 mm.</b>  |   |
| 10   | Tilling Depth         | <b>Not less than 100 mm.</b>   |   |
| 11   | No. of Blades         | <b>Minimum 32 pcs.</b>   |   |
| 12   | Tyre size             | <b>Min. 4.0-8</b>  |   |
| 13   | Fuel consumption rate | <b>less than one liter /hr.</b>  |   |
| 14   | Certificate           | <b>ISO mark obtained.</b>  |   |



बसन्त बहादुर चन्द  
मेकानिकल इन्जिनियर

|    |                           |  |  |
|----|---------------------------|--|--|
| 15 | <b>Proven performance</b> | The offered Mini Tiller shall be under standard production by the manufacturer for <b>at least one year.</b> |  |
| 16 | <b>Delivery</b>           | Mini Tiller shall be delivered to Patan Municipality Patan, Baitadi.   |  |
| 17 | <b>Warranty</b>           | Manufacturer shall provide a <b>minimum of One-year warranty after acceptance.</b>                           |  |

**Note:-** The major items are indicated by bold and highlighted letters in the technical specification. Non-compliance of these major items will result non-responsiveness of the bid offered .

Date.....  
2083/119

**Prepared By :-**

Basant Bahadur Chand  
Mechanical Engineer

