# Technical Specification

**Owner:** Aathbiskot Municipality, Rukum
**Equipment Name:** Wood cutting Machine
**Quantity:** 1 Set

<table>
<thead>
<tr>
<th>S.N.</th>
<th>CRITERIA</th>
<th>REQUIRED SPECIFICATION</th>
<th>OFFERED SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Scope of Work</td>
<td>Design, Engineering, manufacturing, testing, inspection, supply, erection, commissioning and testing of wood saw machine having up to min. 1 mtr diameter log sizes complete with Motor, Blades, Band wheel complete in all respect with Manufacturer's Test Certificates and covering mechanical, civil &amp; electrical works including supply of all required material for civil construction &amp; electrical works.</td>
<td></td>
</tr>
</tbody>
</table>
| 2    | General   | 1. **The bench type wood saw machine having following details:**  
  wheel diameter = Min. 600 mm  
  Wheel face and thickness = Min. 50 mm & 10 mm  
  Throat depth = not Less than 550 mm  
  Maximum Log cutting capacity = min. 350 mm dia.  
  Work table size = not less than 700X700 mm  
  Table tilt degree = not less than 45 Deg.  
  Speed of saw wheel = min. 550 RPM  
  AC Motor Power required to operate = not less than 20 HP  
  Weight of the machine = not less than 600 Kg  
  Motor Power : 20 HP  
  
  2. **The Horizontal wood saw machine having following details:**  
  Capacities:  
  - Cutting Capacity: 28 in. (71 cm) diameter maximum.  
  - Log Length: 8½ ft with standard two 6-ft track sections. Longer lengths can be accommodated by adding optional 6-ft track extensions to the mill—as many as required.  
  - Motor Power : 20 HP  
  Specifications  
  - Production Rate: Varies according to type of material, thickness of cut, and rate of feeding  
  - Guides: Flat guide system, for higher production and | Make:  
  Model:  
  Year of Mfg.:  
  Country of Origin: |
accuracy and extended blade life.
Saw details:
- Band Blades: 11” × 1¾” × 0.035” gauge hardback
- Blade Kerf: 0.072 in. (approx. 2 mm)
- Band Wheels: 16 in. (40.6 cm)

Handling and Lifting motor capacity: Appropriate capacity

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<tr>
<td>3.</td>
<td>Blade</td>
<td>6” (15.24 cm) swage double-cut blade (cuts in both directions)</td>
</tr>
<tr>
<td>4.</td>
<td>Band Wheel</td>
<td>600 mm band wheels with double-tapered bearings</td>
</tr>
<tr>
<td>5.</td>
<td>Frame</td>
<td>Heavy duty frame made of 2” × 8” × 1/4” thick tubing (5 cm × 20 cm × 64 mm)</td>
</tr>
<tr>
<td>6.</td>
<td>Log Size</td>
<td>Cuts logs up to 42” in diameter × 22 ft long (106 cm × 6.7m)</td>
</tr>
<tr>
<td>7.</td>
<td>Manuals</td>
<td>One Hard Copy in English of the a. Operator’s /Owner's instructions and maintenance manual, b. Spare parts catalogue shall be supplied with the equipment.</td>
</tr>
<tr>
<td>8.</td>
<td>Tools</td>
<td>A set of tools required for general maintenance shall be supplied within a lockable tool box with equipment.</td>
</tr>
<tr>
<td>9.</td>
<td>Initial spare parts</td>
<td>As per product’s consumable should be supplied for a year.</td>
</tr>
<tr>
<td>10.</td>
<td>Warranty</td>
<td>Manufacturer shall provide minimum 1 years warranty from date of acceptance.</td>
</tr>
<tr>
<td>11.</td>
<td>Delivery</td>
<td>The Wood Cutting Machine one Unit shall be delivered with all necessary accessories to: Aathbiskot Municipality, Rukum(west)</td>
</tr>
</tbody>
</table>

Prepared By:
Er Bijay Kumar Sah
Mechanical Engineer

Approved By:
Ram Bahadur KC
Chief Administrative Officer
# Technical Specification

**Owner:** Aathbiskot Municipality, Rukum (West)

**Equipment Name:** Spare Parts of the Stone Crushing Plant

**Quantity:** 1 Set

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<tr>
<td>1</td>
<td>Scope of Work</td>
<td>Supply, delivery and testing of Spare Parts of the Stone Crushing Plant having the capacity of 50 Ton Per hour in all respect with Manufacturer’s Test Certificates.</td>
<td></td>
</tr>
</tbody>
</table>
| 2    | M.S. Hopper 3x3 Mtr:      | Minimum 6mm thick hopper Plate, Base I-Beam 150X75, hopper net (Top): I-Beam 150X75, Hopper Support: M.C.75X40, Plate Support: MC 125X65, Flat 65X6, Top bottom plate 10/10mm thick. Top net rod: Ø32 mm round shape. | Make:
Model:
Year of Mfg.:
Country of Origin: |
| 3    | Vibrating Screen 4'X12' (3 Deck) for natural | Side plate thickness : 8 mm Plate supporting: ISA 50X50X6 with 8 mm bolt diameter Side supporting: ISA 50X50X6 Main Shaft: Ø 100 mm diameter Bracket: 10mm and 6mm Thick plate Pipe: Ø 150 mm diameter Tie Beam: 200X100 mm Top Bottom plate: 10 mm thick. Vertical column: M.C.125X50 mm (4 Nos.) Box type Motor: 15 HP @1440 RPM V-Pulley Belt: 6"C/ 10" C. Bearing: 22324 Double roller with oil seal |                      |
| 3.   | Crusher Machine           | 24X12 Double Toggle Oil Type                                                             | Make:
Model:
Year of Mfg.:
Country of Origin: |
| 4    | Motor                     | 40 HP for double Toggle Oil Type Crusher machine                                         | Make:
Model:
Year of Mfg.:
Country of Origin: |
<p>| 5    | Manuals                   | One Hard Copy in English of the a. Operator's /Owner's instructions and maintenance manual, b. Spare parts catalogue shall be supplied with the equipment. |                      |</p>
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<td>As per product’s consumable should be supplied for a year.</td>
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<td>10</td>
<td>Warranty</td>
<td>Manufacturer shall provide <strong>minimum 1 years warranty from date of acceptance.</strong></td>
</tr>
<tr>
<td>11</td>
<td>Delivery</td>
<td>The Spare parts for crusher machine shall be delivered with all necessary accessories to: Aathbiskot Municipality, Rukum(west)</td>
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**Prepared By:**
Er Bijay Kumar Sah  
Mechanical Engineer

**Approved By:**
Ram Bahadur KC  
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