

## Excavator Required Specifications

### **Bid Specification for Skid Steer Loader**

#### **Year of Manufacturing:**

2024 or above.

#### **Specifications:**

**Rated Operating Capacity:**  $\geq 630$  kg

**Engine Diesel Power:**  $\geq 51$  HP

**Engine Displacement:**  $\geq 2.2$  L

**Loader Hydraulic Flow:**  $\geq 60$  L/min

**Hydraulic System Pressure:**  $\geq 230$  Bar

**Travel Speed:**  $\geq 12.5$  km/h

**Ground Clearance:**  $\geq 190$  mm

#### **Anti-Stall Feature:**

Machine shall be equipped with an anti-stall feature that balances implement and drive power to prevent engine stalling under load.

#### **Control System:**

Hand controls for driving and loader operations are required; foot controls are not allowed.

#### **Loader Bucket:**

Bucket width of 157cm

#### **Tires:**

Heavy-duty tires, size 10x16.5.

#### **Access:**

Front access door allowing operator entry and exit in tight spaces.

#### **Safety Interlock System:**

Machine shall include a safety interlock system for enhanced operator safety.

#### **Attachment Compatibility:**

Equipped with a mechanical attachment coupler and auxiliary hydraulic circuit and controls for operating attachments (without attachment).

#### **Machine Brand:**

Only American or European brand names are acceptable.

#### **Specification Compliance:**

No deviations or alterations to these specifications are accepted. The machine must strictly comply with all outlined requirements.

#### **1. Engine Manufacturer:**

Engine must be manufactured by the same company as the excavator.

#### **2. Machine Brand:**

Acceptable machine brand names should be of European or American origin.

#### **3. Engine Specifications:**

Engine must be a 4-cylinder model; 6-cylinder engines are not accepted.

Engine displacement must be 4.4 liters.

#### **4. Hydraulic System:**

The machine must have an electrohydraulic system; pilot systems are not allowed.

#### **5. Manufacture Year:**

The excavator must be manufactured in 2023 minimum.

**6. Additional Equipment:**

Machine must be equipped with hammer lines.

**Guard:** Machine must be equipped with a Falling Object Guard to protect operators from falling objects

**Falling Object Guard System (FOGS):** FOGS must be factory-installed and certified as per ISO standards; locally installed guards are not allowed.

**7. Attachments:**

Bucket capacity must be 0.9 cubic meters.

Hydraulic Hammer: Machine must be equipped with a hydraulic hammer suitable for the excavator's specifications and intended for heavy-duty applications.

**8. Track Shoe Width:**

Track shoe width should be 600 mm.

**9. Hydraulic Tank Capacity:**

The hydraulic tank should have a capacity of 115 liters.

**10. Operating Weight:**

Operating weight should be approximately 19,800 kg.

**11. Boom and Stick Length:**

Boom length must be 5.7 meters.

Stick length should be either 2.7 meters or 2.9 meters.

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