

### Technical Specification for Backhoe Loader: 1 Unit

| S. N. | CRITERIA     | OFFICE REQUIREMENTS  | OFFERED SPECIFICATION                 |
|-------|--------------|--|---------------------------------------|
| 1     | GENERAL      | All wheel drive, rigid frame backhoe loader with Steel cab, suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2000 m and ambient temperature varying between -5 <sup>o</sup> C to 50 <sup>o</sup> C.   | Make:<br>Model:<br>Country of Origin: |
| 2     | ENGINE       | Water cooled diesel Engine, developing SAE rated net flywheel horsepower <b>not less than 90 hp and Torque not less than 400 N-m Torque</b> (engine fully equipped with accessories) at governed RPM for efficient full load operation. Back hoe shall be equipped with radiator, cold starting device, direct electric starting system, battery, air cleaner, fuel filter, with water trap and drainage in fuel line and drain tap in fuel tank.  | Make:<br>Model:<br>Engine capacity:   |
| 3     | CAPACITY     | <p>1. Loader: General purpose bottom dump (6-in-1) bucket with bolt on teeth of SAE rated capacity nominally heaped at least <b>1 cu. m, Dump height not less than 2800 mm</b> with break out force <b>not less than 6500 kgf.</b></p> <p>2. Back hoe bucket with bolt on teeth of SAE rated capacity at least <b>0.30 cu. m.</b> with tear out force <b>not less than 5600 kgf.</b> and following working ranges:</p> <ul style="list-style-type: none"> <li>➤ Maximum working height: <math>\geq 5500</math> mm</li> <li>➤ Maximum digging depth : <math>\geq 5000</math> mm</li> <li>➤ Maximum digging reach: <math>\geq 6900</math> mm (Ground Level) from rear axle centre</li> </ul> <p>Out triggers with controls from cabin shall be provided.</p> |                                       |
| 4     | GAUGES       | To include ammeter, water temperature, fuel, oil pressure, transmission and hydraulic gauges as necessary for efficient operation and maintenance.   |                                       |
| 5     | TRANSMISSION | Torque converter with four speed power shuttle type of transmission.   |                                       |



