



## Technical Specifications

### TIPPER TRUCK

**Qty: 1 Unit**

S.No.	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	<p><b>Rear dump type tipping truck, right hand drive with 4X2 drive system</b> with all steel rectangular body with totally flat bottom and sides reinforced to withstand impact of shovel loading, fitted with tailgate.</p> <p><b>Dump body (cargo box) capacity of minimum 7.5 cu.m.</b> with hydraulic tipping gear and standard equipment. Suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2500 m and ambient temperature varying between -5 to 50 degree centigrade</p>	<p>Make:</p> <p>Model:</p> <p>Country of Origin:</p>
2	Performance	<p><b>Gross Vehicle weight should not be less than 16,000 kg</b></p> <p><b>Maximum climbing ability should not be less than 38%</b></p> <p><b>Minimum ground clearance should not be less than 245 mm</b></p> <p><b>Wheelbase , minimum 3550 mm</b></p>	<p>GVW:</p> <p>Gradeability:</p> <p>Ground Clearance:</p> <p>Wheelbase:</p>
3	Engine	<p><b>Water cooled diesel Engine, developing maximum power output not less than 180 HP and maximum torque should not be less than 650 Nm (engine fully equipped with accessories) at governed RPM</b> for efficient full load operation of truck at operating conditions as stated in the bid documents, shall be equipped with cold starting device, direct electric starting system, heavy duty battery, heavy duty air cleaner, heavy duty fuel filter, fuel tank with water collection chamber and drain tap.</p>	<p>Make:</p> <p>Model:</p> <p>Power:</p> <p>Torque:</p>
4	Emission Standard	<p>The emission standard of the offered vehicle must be in compliance with or superior than the applicable <b>Standard as prescribed by "Nepal Vehicle Mass Emission Standard" which is to be certified by Department of Transport Management.</b></p>	
5	Gauges	Gauges and meters as necessary for efficient operation and maintenance.	
6	Clutch	Hydraulically actuated Clutch with Clutch Booster	
7	Transmission	<b>Manual shift at least five forward and one reverse</b> , all forward synchromesh.	
8	Axles	Two Axles Front : Steel I section Rear : Heavy duty, Fully floating	
9	Suspension	Front: Heavy duty Semi Elliptical leaf springs with shock absorbers or equally suitable type. Rear: Semi Elliptical multi leaf springs or equally suitable type.	



10	Tires	Minimum 10:00X20-16 PR <b>Front: Single Wheel with tyre</b> <b>Rear: Dual Wheel with tyre</b>	
11	Steering	<b>Power Assisted/ Power Steering</b>	
12	Brakes	S-Cam air brake with mechanical parking brake and engine exhaust brake.	
13	Cab	All steel cab with insulated roof, laminated glass windscreen, wipers, glass windows on doors, proper ventilated system, comfortable seats with separate adjustable seat for driver, sun visor, and suitably located hydraulic tipping gear controls	
14	Chassis and frame	Heavy duty section channel steel	
15	Essential Accessories	1. Head light, tail and rear light and turn signals 2. Cabin lights 3. Front and rear toe hooks 4. Heavy duty front bumper 5. Spare wheel with tire and tube 6. Hydraulic jack with handle  <b>To be equipped with all accessories offered in standard model but not limited to the above items.</b>	
16	Instructions	All signs and instructions in the equipment shall be in English	
17	Manuals	1. One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment	
18	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit	
19	Color	Standard Color	
20	Proven performance	1. The equipment offered shall be a current model under standard production by the manufacturer for <b>at least one year</b> 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity of the unit.	
21	Warranty	Manufacturer shall provide a minimum of <b>one year warranty</b> after acceptance.	
22	Delivery	The Tipper Truck, RHD, (4X2) – 1 (One) unit and its spare parts shall be delivered to: <b>Solududhkunda Municipality, Salleri-5, Solukhumbu.</b>	

**Note:**

The major items are indicated by bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offer.

