

Technical Specifications

Owner:- Chandrapur Municipality Chandranigahpur (Rauthat)

TIPPER TRUCK- 1 Unit

S.No.	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	General	Rear dump type tipping truck, right hand drive with 4X2 drive system with all steel rectangular body with totally flat bottom and sides reinforced to withstand impact of shovel loading, fitted with tailgate. Dump Body complete with hydraulic tipping gear and standard equipment. Suitable for operation under rough working conditions and adverse climatic condition Gradeability should be minimum 24%, High Ground Clearance Preferred (minimum 200 mm).	Make: Model: Country of Origin:
2	Capacity	Dump body to have nominal capacity of minimum 5 cu.m. Gross vehicle weight shall not be less than 9000 Kg.	
3	Engine	Turbocharged intercooled diesel Engine , developing maximum power output not less than 120HP (engine fully equipped with accessories) and Torque not less than 400 N-m at governed RPM for efficient full load operation of truck at operating conditions, shall be equipped with cold starting device, direct electric starting system, heavy duty battery, heavy duty air cleaner & heavy duty fuel filter	Make: Model:
4	Emission Standard	The Emission Standard of the vehicle should comply with the Vehicle Mass Emission Standard of Nepal.	
5	Gauges	Gauges and meters as necessary for efficient operation and maintenance.	
6	Clutch	Heavy duty disc type/ Diaphragm type	
7	Transmission	Manual shift at least five forward and one reverse, All forward synchromesh	
8	Axles	Front : Steel I section Rear : Heavy duty, Fully floating	
9	Suspension	Heavy duty semi elliptical leaf springs and shock absorbers	
10	Tires	Standard Size, Single front, Dual rear	
11	Steering	Power Assisted/ Power Steering	
12	Brakes	Servo assisted Hydraulic or air operated internal expanding type and mechanical parking brake	
13	Cab	All steel construction with insulated roof, right hand drive, laminated glass windscreen, wipers, glass windows on doors, and rear windows, through ventilated system, comfortable seats with separate adjustable seat for driver, sun visor, and suitably located hydraulic tipping gear controls	
14	Chassis and frame	Steel, heavy duty suitable for rough road conditions with toe-hook	

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15	Essential Accessories	1. Head light, tail and rear light and turn signals 2. Cabin lights 3. Front and rear two hooks 4. Heavy duty front bumper 5. Spare wheel with tire and tube 6. Hydraulic jack with handle 7. Seat belt for driver and co-driver . Equipped with all accessories offered in standard model but not limited to the above items.	
16	Instructions	All signs and instructions in the equipment shall be in English	
17	Manuals	One Copy of the Operator's and Owner's instructions, maintenance manual & comprehensive workshop manual in English shall be supplied with the vehicle.	
18	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box.	
19	Color	Standard Color	
20	Proven performance	1. The machine offered shall be a current model under standard production by the manufacturer for at least one year 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 one year warranty after acceptance.	
22	Initial Service	The supplier shall provide with the equipment all the necessary filters and spare parts required for the first servicing, after the equipment has been commissioned and accepted.	
23	Delivery	The Tipper Truck, RHD - 1 units and its spare parts shall be delivered to: Chandrapur Municipality Office of the municipal executive Chandranigahpur (Rauthat) Madhesh Province	

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.
Bidder's Signature..... Date.....

Prepared By:

Gobind Prasad Sah

Mechanical Engineer

Heavy Equipment Division, Nepalgunj

Signature and date:-

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2080/02/29
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