

TECHNICAL SPECIFICATION

OWNER:- LEKBESHI MUNICIPALITY, KALYAN (SURKHET)
TIPPER TRUCK (Min. 7.5 cub. M.) - One Unit

| S.N | 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 (Cargo box) capacity of minimum 7.5 cu.m. with hydraulic tipping gear and standard equipment. Suitable for operation under rough working conditions and adverse climatic condition of Nepal. | Make: Model: Country of Origin: |
| 2 | Capacity | Gross vehicle weight shall not be less than 16,000. Maximum climbing ability should not be less than 35%. Minimum ground clearance should not be less than 225 mm | |
| 3 | Engine | Water cooled diesel engine, developing maximum power output not less than 130 KW and maximum torque should not be less than 625 Nm (engine fully equipped with accessories) at governed RPM for efficient full load operation of truck at operating conditions as stated in the bid documents, shall be equipped with direct electric starting system, heavy duty battery, heavy duty air cleaner & heavy duty fuel filter, fuel tank with water collection chamber and drain tap. | Make: Model: |
| 4 | Emission Standard | The Emission Standard of the offered vehicle, must be in compliance with or superior than the applicable standard as prescribed by 'Nepal Vehicle Mass Emission Standard' which is to be certified by Department of Transport management. | |
| 5 | Gauges | Gauges and meters as necessary for efficient operation and maintenance. | |
| 6 | Clutch | Heavy duty disc type | |
| 7 | Transmission | Manual shift at least six forward and one reverse, All forward synchromesh | |
| 8 | Axles | Front : Steel I section Rear : Heavy duty, Fully floating | |
| 9 | Suspension | Front : Heavy duty semi elliptical leaf springs with shock absorber or equally suitable type Rear: Heavy duty multi leaf springs or equally suitable type | |
| 10 | Tires | Minimum 10.00X 20-16PR Front: single Wheel with tyre Rear : dual Wheel with tyre | |
| 11 | Steering | Power Assisted/ Power Steering | |
| 12 | Brakes | S-Cam air brake with mechanical parking brake and engine exhaust brake /Pneumatic dual circuit | |
| 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 | |

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| 14 | Chassis and frame | Steel, heavy duty suitable for rough road conditions with toe-hook | |
| 15 | Essential Accessories | <ol style="list-style-type: none"> 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 (20 T) with handle 7. Seat belt for driver and co-driver . <p>Equipped with all accessories offered in standard model but not limited to the above items.</p> | |
| 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 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 | <ol style="list-style-type: none"> 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 services, after the equipment has been commissioned and accepted. | |
| 23 | Delivery | The Tipper Truck, RHD - One unit shall be delivered to: Lekbeshi Municipality Office of the municipal executive Kalyan (Surkhet) Karnali Province , Nepal | |

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:
Om Bahadur Thapa
Mechanical Engineer
Heavy Equipment Division, Nepalgunj
Signature and date:-

Om Bahadur Thapa
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