

BAGESHWORI ENGINEERING SERVICES

NEC Registration No. 2080 "Mechanical" "A"

B.E. (Mechanical), MBA

Kakarvitta, Jhapa

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TECHNICAL SPECIFICATION OF TRUCK CHASSIS

S.N.	Criteria	REQUIRED SPECIFICATION	Offered Specification
1	General	Truck suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2500 m and ambient temperature varying between 05 to 50 degree centigrade.	
2	Performance	Gross Vehicle Weight Should Not Be Less Than 12,000 kg Maximum Gradeability should not be less than 20% Minimum Ground Clearance should not be less than 220 mm	
3	Engine	Water cooled diesel Engine, developing Maximum power output not less than 100 BHP and maximum torque should not be less than 350 NM (engine fully equipped with accessories) at governed (1300-1600 RPM) 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.	
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 as necessary for efficient operation and maintenance.	
6	Clutch	Single Plate dry Type	
7	Transmission	Manual shift at least 5 Gear	
8	Axles	Axles Front : Heavy Duty Forged Beam Rear : Single Speed Hypoid Gear Axle	
9	Suspension	Front: Semi Elliptical leaf springs Rear: Semi Elliptical multi leaf springs or equally suitable type.	

