

TECHNICAL SPECIFICATIONS 30STR

S.N.	Particulars	Requirements	Remarks
1	Engine	Four-stroke engine fully equipped with accessories for efficient full load operation of the vehicle at operating conditions, including a cold starting device and heavy-duty fuel filter.	
2	Engine Displacement	Minimum 3400 cc	
3	Engine type	4 cylinder in-line common rail injection system with Turbocharged inter-cooled diesel engine.	
4	Engine Location	Front	
5	Power	Minimum 100 HP at governed speed	
6	Torque	Minimum 300 Nm at governed speed	
7	Clutch	Dry Single Plate Diaphragm type	
8	Transmission	Minimum 5 speed manual (5F+1R)	
9	Gearbox	Synchromesh	
10	Brakes	Air /Hydraulic Brake	
11	Fuel Tank Capacity	Minimum 90 liters	
12	Battery	Minimum 12V, 70Ah	
13	Seating Capacity	Not less than 30 seat	
14	Seating Layout	2 x 2	
15	GVW	Minimum 7500 kg	
16	Suspension	Semi elliptical leaf springs preferred with shock absorbers	
17	Tyres number	6+1 extra	
18	Wheelbase	Minimum 4240 mm	
19	Ground Clearance	Minimum 200 mm	
20	Steering Type	Power steering	
21	Sun Visor	Flap type or roll down type	
23	Emission Standard	The Emission Standard of the vehicle should be "Vehicle Mass Emission Standard" of Nepal which is to be certified by Department of Transport Management, Nepal.	
24	Cab	All metallic/FRP cab with insulated roof, front wipers, comfortable seats, rear view mirror and two side view mirrors.	
25	Chassis and frame	Steel, heavy duty suitable for rough road conditions	
26	Instructions	All signs and instructions in the vehicle shall be in English.	
27	Manuals	One copy of instruction for the operator and owner and maintenance manual in English shall be supplied with the vehicle.	
28	Color	Standard color	
29	Proven Performance	1. The vehicle offered shall be a current model under standard production by the manufacturer. 2. The bidder shall provide the manufacturer's data of performance of the unit to include the fuel consumption, performance curves of the engine and production capacity of the unit.	
30	Warranty	Manufacturer shall provide a minimum of One-year warranty after acceptance.	

Shambhu

Shambhu Kumar Jha
NEC-No. 313A
Mechanical Engineer

31	Essential accessories	a. Head light, tail and rear light, reversing light, turn signals b. Cabin lights c. Speedometer d. First Aid Box e. Suitable Jack & Handle f. Seat belt for driver g. Fire extinguisher i. Toolset for general maintenance of the bus j. STOP sign in passenger entrance door and Safety features.	
32	Delivery	School Bus shall be delivered to school premises.	

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NEC. No. 313A
Mechaniceel