

Technical Specifications

Equipment: Tractor

Quantity: 1 Unit

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	Heavy duty tractor suitable for operation in hilly roads and adverse climatic conditions at ambient temperature varying between -5 to 50 degree centigrade. Gross weight of tractor shall not be less than 1800 kg.	Make: Model: Country of Origin: Mfg. Year:
2	Engine	4 strokewater cooleddiesel engine developingmaximum output power not less than 45HP (engine fully equipped with accessories) at the governed speed for full load operation. Shall be equipped with cold starting device, heavy duty air cleaner, heavy duty fuel filter system, and direct electric starting system with heavy duty batteries.	Make: Model: Power:
3	Maximum Lifting Capacity	Not less than 1450 kg	
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 or meters as necessary for efficient operation and maintenance.	
6	Axles	Steel heavy duty I beam	
7	Transmission	Manual shift at least four forward and one reverse, constant mesh type.	
8	Steering	Power steering	
9	PTO	Rear Mount PTO	
10	Brakes	Mechanical, dry disc or oil immersed and separate parking brake.	
11	Clutch	Dual Clutch	
12	Tyres	Standard Tyre	
13	Essential Accessories	Following accessories should be supplied with each equipment a) Head light and turn Signals b) Front and rear tow hooks. c) Heavy duty front bumper. e) Hydraulic jack. Equipped with all accessories offered in standard model but not limited to the above items.	
14	Paint	Standard Colour	
15	Instructions	All signs and instructions in the equipment shall be in English.	
16	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment/vehicle	
17	Tools	A set of tools as required for general maintenance shall be supplied within a lockable tool box for both tractor and suction machine.	
18	Proven performance	The machine offered shall be a current model under standard production by the manufacturer for at least one year.	

[Signature]
2080
Mechanical Engineer
NEC No. 502A



[Signature]
प्रमुख प्रशासकीय अधिकृत

19	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance on Tractor.	
20	Delivery	The Tractor shall be delivered to: Pachrauta Municipality, Office of the Municipal Executive, Benauli, Bara, Madhesh 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.

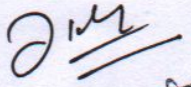
Bidder's Signature.....

Date.....

Prepared BY:


Ritesh Kumar Shah
Mechanical Engineer
Ritesh Kumar Shah
Mechanical Engineer
NEC No. 502A




प्रमुख प्रशासकीय अधिकृत

Technical Specification is prepared on the basis of data provided in catalog of Mahindra 575 DI SP PLUS, Sonalika DI745III, Jondeer 5205 etc. tractor. Reference catalogs (3 pages) are attached with this specification.

Technical Specifications

Equipment: City Bus

S.N.	CRITERIA	REQUIREMENTS	OFFERED SPECIFICATION
1	General	Right Hand Drive Factory Build City Bus suitable for driving in Nepal at an altitude up to 2500 meter and in ambient temperature -5 to 50 degree centigrade. Gross Vehicle Weight of the Vehicle shall not be less than 9000 kg. Wheelbase should be min. 4800 mm. & shall have Seating capacity of minimum 36 Persons including driver with 2x2 Hi-back comfort seats and hydraulic opening/closing of Passenger door.	Make : Model: Year of Mfg.: Country of Origin:
2	Cab	All metallic cab with insulated roof, front wipers, glass windows on doors, through ventilation, comfortable seats. Floor mats, rear view mirror and two side view mirrors.	
3	Engine	Turbocharged intercooled diesel Engine developing Maximum rated power output not less than 120 HP with torque min. 400 NM at governed RPM, engine fully equipped with accessories for efficient full load operation of the vehicle at operating conditions, cold starting device, heavy duty fuel filter.	Make : Model:
4	Gauges	To include water temperature , fuel, oil pressure, transmission gauge etc. as necessary for efficient operation and maintenance etc.	
5	Transmission	Manual shift at least 5 forward and one reverse	
6	Suspension	Semi Elliptical Leaf Spring At Front & Rear with shock absorber	
7	Clutch	Dry Single Plate	
8	Tyres	Standard Front-2, Rear-4 wheels	
9	Steering	Power Assisted	
10	Brakes	Dual circuit full air S-cam brake and mechanical parking brake	
11	Chassis and frame	Steel, heavy duty suitable for rough road conditions	
12	Essential accessories	<ul style="list-style-type: none"> a. Head light, tail and rear light, reversing light, turn signals. b. Cabin lights. c. Speedometer/ odometer d. One spare wheel with tyre and tube. e. Suitable Jack & Handle f. Seat belt for driver g. Audio/Visual System with USB h. ABC Multipurpose type Fire Extinguisher, 2 kg Capacity 	

Handwritten signature
20801/11/14

Handwritten signature
2078
नेपाली कांग्रेस
काठमाडौं, चारा
प्रदेश, नेपाल
२०७४

13	Color	Standard color	
14	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	
15	Instructions	All signs and instructions in the vehicle shall be in English.	
16	Manuals	One Copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle.	
17	Tools	A set of tools as required for general maintenance shall be supplied.	
18	Proven Performance	The vehicle offered shall be under standard production by the manufacturer for at least one year and manufacturing years (model) should be 2023 or onwards. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine.	Year of Mfg.:
19	Warranty	Manufacturer shall provide a minimum of One-year warranty after acceptance.	
20	Delivery	Bus shall be delivered within 30 days from the date of contract to: Pachrauta Municipality, Office of the Municipal Executive, Benauli, Bara, Madhesh 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:

Ritesh Kumar Shah
Senior Divisional Engineer
NEC No.: 502 A Mechanical

Ritesh Kumar Shah
Mechanical Engineer
NEC No. 502A



Approved By:

प्रमुख प्रशासकीय अधिकृत

Note: Technical Specification is prepared on the basis of data provided in catalog of Ashok Leyland Lynx Smart, Tata Comfort LP1112 36 and Eicher Skyline 2090 bus. Reference catalogs (3 pages) are attached with this specification.