




Cost Estimate for the Purchase of Water Tanker :

The major technical specifications of the **Water Tanker** that is intended to be purchased by **Khandadevi Rural Municipality, Office of the Rural Municipal Executive, Ramechhap** are as follows:

1. Type : Water Tanker
2. Engine: Maximum rated power output not less than 120 HP at governed RPM with torque minimum 400 NM @ governed RPM,
3. capacity: Minimum 5000 litres
4. Gross vehicle weight: Not less than 10,000 kg
5. Steering : Power steering
6. Transmission system : Manual shift at least 6 forward and one reverse
7. Essential Accessories: As per stated on Technical Specification
8. Warranty: A minimum of one year warranty after acceptance

Based on the past experiences of procurement, enquiries recently made with suppliers, and budget allocated for the procurement of Water Tanker, the cost of the Water Tanker intended to be purchased having above technical specification is estimated as below:

S. No.	Description	Quantity	Unit Estimated Cost (in NRs.) (Including all taxes)	Total Estimated Cost (in NRs.) (Including all taxes)	Remarks
1.	Water Tanker	1 unit	Appx. 30,00,000.00 In words: Thirty Lakhs Only	Appx. 30,00,000.00 In words: Thirty Lakhs Only	Estimated cost
Prepared by:			Approved by:		
Babu Ram Kharel Senior Divisional Engineer (Mechanical) Department of Water Resource and Irrigation			 		
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Technical Specification for the Procurement of Water Tanker :

Reqd. unit: 1

S.N.	Criteria	Requirement	Offered Specification
1	General	Right Hand Drive model, minimum 5000 Litre capacity Water Tanker, suitable for driving in Nepal at an altitude upto 2500 meter and in ambient temperature -5 to 50 degree centigrade. Gross Vehicle Weight of the Vehicle shall not be less than 10,000 kg. & Seating capacity for at least 2 Persons including driver.	Make: Model:
2	Engine	Turbocharged intercooled diesel Engine, developing Maximum rated power output not less than 120 HP at governed RPM with torque minimum 400 NM @ 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:
3	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 Mangement, Nepal	
4	Gauges	To include water temperature, fuel, oil pressure, transmission gauge etc. as necessary for efficient operation and maintenance, .etc	
5	Clutch	Single Plate Dry type	
6	Transmission	Manual shift at least 6 forward and one reverse	
7	Ground clearance	High Ground clearance preferred. Min 215 MM	
8	Fuel Tank	Minimum 110 litres	
9	Water Tank Capacity	Minimum 5000 Litres	
10	Generator	Suitable for suction and discharge of water	
11	Gradeability	Minimum 24%	
12	Suspension	Semi Elliptical Leaf springs / coil springs / torsion bar / shock absorbers at front and rear.	
13	Tyres	Standard size	
14	Steering	Power Assisted	
15	Brakes	Full air-dual line S cam brakes	
16	Cab	2 side doors, all metallic cab with insulated roof, front wipers, glass windows on doors, through ventilation, comfortable seats for driver and co-passenger, rear view mirror and two side view mirrors.	

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17	Chassis and frame	Steel, heavy duty suitable for rough road conditions	
18	Essential accessories	1. Head light, tail and rear light, reversing light, and turn signals. 2. Cabin lights, 3. Speedometer / Odometer. 4. One Spare wheel with tyre and tube. 5. jack and handle. 6. Seat belt for driver and co-driver .	
19	Instructions	All signs and instructions in the vehicle shall be in English.	
20	Manuals	One Copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle.	
21	Tools	A set of tools as required for general maintenance shall be supplied.	
22	Colour	Standard color	
23	Proven Performance	The vehicle offered shall be under standard production by the manufacturer for at least one year with performance and Fuel consumption curve.	
24	Warranty	Manufacturer shall provide a minimum of One-year warranty after acceptance.	
25	Delivery	Water Tanker 1 unit shall be delivered to: Khandadevi Rural Municipality, Office of the Rural Municipal Executive, Ramechhap	

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.

Prepare By:

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