



Technical Specification:

Owner: -Baragadhi Rural Municipality, Khopwa (Bara)

Equipment: - Double Drum Tandem Vibratory Compactor 3T (Roller)

Qty:-1 Unit

S.N	CRITERIA	OFFICE REQUIREMENT	OFFERED SPECIFICATION
1	General	Diesel engine driven, Walk-front/behind, double drum tandem Vibratory Smooth compactor with scrapers provisions on both drums, with Dual drum vibration with vibration control on front/Rear/both drums, suitable for soil, gravel and asphalt compaction applications and for operating conditions all over Nepal ,Equipped with spacious, comfortable sliding operator seat and pressurized water sprinkler system,	Make: Model:
2	Engine	4-Stroke, Turbo charged Water cooled Diesel Engine, , developing Maximum rated power output not less than 45 PS at governed RPM , shall fully equipped with accessories for efficient full load operation.	Make: Model:
3	Operating weight	Minimum 3200 kg	
4	Performance/ Capacities	Vibration stage- two	
		Gradeability:- 20 degree min.	
		Working speed (Max.): - Min. 5 kmph	
		Travel Speed (Max.): - Min. 10 kmph	
		Fuel tank capacity:- Min. 45 ltr	
		Sprinkler water capacity front/rear:- Approx. 100/100 ltr	
5	Dimension	Maximum Applied force on each drum:- minimum 6000 kgf	
		Overall Length (Transportation Purpose) –At most 3000 mm	
		Overall Width (Transportation Purpose)-At most 1400 mm	
		Overall Height (Transportation Purpose)-At most 2700 mm	
		Drum Diameter (both) – Approx. 700 mm	
6	Emission Standard	The Emission standard of the compactor should be capable of meeting applicable Nepal Vehicle Mass emission standard, 2069.	
7	Gauges	To include necessary gauges and meters for efficient operation and maintenance.	
8	Drive system	Electronically /Hydraulically controlled direct drive on both drums	
9	Speed range	Two:-Low speed range for vibratory operation and maximum torque and High speed for inter site faster movement.	
10	Ground clearance	High ground clearance preferred, minimum 250 mm.	
11	Steering	Power Steering/Hydrostatic steering	
12	Brakes	Service Brake:- Hydrostatic propulsion Parking:-Spring applied,hydraulically released	
13	Chassis and frame	Steel, heavy duty suitable for rolling soil, gravel and asphalt in plane and rough road conditions,	