

KANYAKUMARI TOWN PANCHAYAT
TENDER SCHEDULE

Name of Work : Supply and delivery of Three wheeler Lithium Battery Operated Vehicle (13 Nos) in Kanyakumari Town Panchayat.

Est.Amt. 25.92 Lakhs

Sl. No.	Probable Qty. in figures		Description of Work	Rate in		Per Unit	Amount
				Figures	Words		
1			<u>Battery operated Vehicles having 3 wheels Design</u> Vehicles having 3 should be Robust in construction for and carrying of collected Municipal Solid Waste. wheels				
			<u>Chassis Construction</u> Ladder type welded construction consisting of two symmetrical beams/ rails/ channels running the length of the cart with transverse cross - members connecting them fabricated using CRC MS square pipes of suitable size with Anti Rust Proof powder coating				
			<u>Dimensions of cart</u> Overall Length: 2760mm + 5% Tolerance Overall width 1000mm 5% Tolerance				
			<u>Motor</u> Brushless DC Motor 1500W/60V Original				

			<u>Transmission</u> Single central axis differential drive with Both forward and reverse direction				
			<u>Ground Clearance</u> 160 mm To 170mm.				
			<u>Pay Load</u> Not less than 375 Kgs				
			<u>Range per Charge</u> 80 -100 Km per Charge				
			<u>Speed of Vehicle</u> Maximum 25 Kms per Hour				
			<u>Rear Cargo Box Size (Lx Bx H)</u> a).Dimension : Not less than 1400mm x 1000mm x 450mm (L X BX H)b) Should be fabricated using MS Sheet, MS Square pipes of suitable thickness and size c).Rear Door: Foldable single door arrangement d) Side door foldable single door arrangement e) Both side doors should be made of M.S Sheet of thickness not less than 0.6 mm f) Flooring should be made of M.S Sheet of thickness not less than 1.6 mm				
			<u>Grade ability Climbing ability</u> 7 degree (Minimum).				
			<u>Brake System</u> Double Rear drum Pedal Type				

			<u>WHEELS & TYRES</u> Front: 3. 75 - 12 (6PR) - 1 No. Rear: 3. 75 - 12 (6PR) - 2 Nos. Spare tyre assy. - 1 No.				
			<u>Seating Capacity</u> Cushioned seat to accommodate 2 Person				
			<u>Cabin</u> Weather proof complete metal enclosed cabin with Windscreen glass (Toughened) for driver protection with necessary frame structure for protection from heat and rain				
			<u>Suspension</u> Front: Heavy duty Hydraulic shocker. Rear: Leaf spring with hydraulic shocker				
			<u>Charger</u> 15 Amp SMPSCharger				
			<u>Accessories:</u> 1). Head lamp, Speedo Meter, front & rear indicators should be provided. 2) Fire Extinguishers. 3) Functional safety by providing circuit breaker (MCB) 4)Public Addressing System 5)GPS tracking				
			<u>Battery Capacity</u> 100 AH - 48 V. LITHIUM ION battery				

			<u>Charging Duration</u> Not more than 3 Hours				
			<u>warranty for vehicles</u> The successful bidder should provide one year warranty for vehicles including repair and replacement				
			<u>Warranty for Lithium Battery</u> The successful bidder should provide three years warranty for Lithium Battery				
	13.00	Nos	Battery Operated Vehicle			One Number	