

## Technical Specifications

**Supply and warranty of 6 seater battery operated utility buggy trolley with cargo carriage along with the mentioned accessories for movement of people and heavy material over small distances.**

### 1.0 Scope:

This document states the requirements and technical specifications for supply and warranty of 6 seater battery operated utility buggy trolley with cargo carriage for movement of people and heavy material over small distances.

- Para 2.0 gives the Purpose.
- Para 3.0 gives technical requirements. Supplier is free to offer their standard product meeting or exceeding the technical parameters along with complete product sheet for technical evaluation. Please specify the necessary and optional accessories.
- Para 4.0 gives deliverables.
- Para 5.0 gives general conditions.

### 2.0 Purpose:

Battery operated buggies are very essential for movement of materials which are heavy and also for bulk material. Also, for transportation of manpower doing experiments in other labs over few kilometres, such buggies are extremely important. They not only provide ease in transportation and convenience for bulk transportation of material and people but also save time in doing so.

### 3.0 Technical requirements:

The required general technical specifications of the battery operated buggy are:

Sl. No.	Specification	Description	Value
1.	Dimensional features	Seating capacity	6 nos.
		Payload	>500 kgs
		Overall Length	~ 4000 mm
2.	System Specifications	Drive Motor	48 V AC
		Drive Unit	14:1 Direct Axle double reduction Helical gear with differential
		Horse Power	5 kW Continuous
		Electrical System	48 V
		Batteries	6 no 8 V 150 Ah
		Controller	375 AC controller
		Charger	48 V 20 A
3.	Steering/Suspension	Steering	Right hand drive self-adjusting rack and pinion.
		Front Suspension	Leaf Springs with dual hydraulic shocks
		Rear Suspension	Leaf Springs with shock dampers
		Brakes	Self-adjusting four wheel hydraulic drum with non-asbestos lining

		Part Brakes	Hand operated multi lock	
		Turning Radius	<5000 mm	
4.	Body/Chassis	Frame/Chassis	Powder coated, Tubular steel chassis	
		Body panel	Dent proof ABS/Automotive FRP	
		Body Finish	Painted standard off white	
		Light Package	Standard	
		Instrumentation	Battery Discharge Indicator	
		Cargo box type	Aluminium box (closed type)	
		Cargo box Dimension	Length	>300 mm
			Width	>200 mm
Height	>350 mm			
5.	Performance	Speed	>10 kmph (Programmable)	
		Range per charge	>35 km	

#### 4.0 Deliverables:

The items and their associated accessories are the following:

Sl. No.	Item	Quantity
1.	6 seater utility battery operated buggy trolley with accessories including	1 set.
(a)	Rain Cover	
(b)	Wiper	
(c)	Spare tyre assembly	
(D)	Jack	
(e)	Foot air pump	
(f)	Tool Kit	
(g)	Side Indicators with horn	
(h)	Reverse Buzzer	
(i)	Side view mirror set	
(j)	Cabin Lights	

#### 5.0 General specifications:

- i) Along with the offer, supplier shall enclose the complete specifications and compliance statement of the product being offered, without that the offer is liable to be rejected.
- ii) Either principal or agent shall submit the offer.
- iii) Supplier shall give complete details of their product and list of users for technical evaluation.
- iv) Supplier shall give the past experiences in the related field and list of users to whom the product is supplied