**SPECIFICATION - POWER MOTORIZED WHEEL CHAIR**

**Load Capacity**
- Minimum: 100 Kg
- Maximum: Should support heavy load

**Speed**
- Minimum: 4-10 Kmph/hr
- Maximum: Maximum speed should be less than 10 km/hr

**Drive Range**
- Not less than 10 km/charge
- Longer travel mileage.

**Motor Power**
- 300 Watt & Above

**Battery**
- Minimum Capacity: 24 Ah – 48 Ah
- Best quality battery
- Should be commercially available in market
- Closed type

**Tyre**
- Solid rubber type/Pneumatic (tube less)
- Front Tyre Diameter (Min.150mm): Min 8”
- Front Tyre Width (Min.38mm): Gripping Type treads
- Rear- Tyre diameter (Min.225mm): Min 10-12”
- Rear type width (Min.50mm):

**Wheels**
- Wheels: Provisions for anti tappers at back
- Turning radius: 1M × 1M

**Controller**
- Perfectly sealed with proper ventilation for heat transfer
- Gear Type: Worm Gear (Preferable)
**Batteries**
- Charger input: Ac 230 V
- Charger output: 24 V Min 4 A
- Guarantees: 5 year (mandatory)
- Charge indicator: mandatory with alarm

**Breaks**
- Breaks: Both Manual and brake release
- Electromagnetic with back up

**Seat Size**
- Width of Seat: Minimum 400mm and above
- Height of the Seat from ground: Minimum 490 ± 40 Mm
- Provision for seat belt: Mandatory
- Manual seat height adjustable facility
- Seat should be pressure relieving to avoid bed sores.
- Removable seat back rest.

**Foot Rest**
- Foot rest type: Swing type
- Length adjustable and angle adjustable foot rest

**Arm Rest**
- Wide armrest with height and width adjustment.
- Detachable armrests

**OTHER REQUISES:**
1. Materials used should have the standardization of ISI/ISO/other Govt. approved certification.
2. Minimum 5yrs warranty.
3. AMC is required (after warranty period).
4. Can be used on all terrains.
5. Reflectors as per standards.

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**Mandatory Notes**
- 16/08/18 by Dr. Pradhan
- 17/08/18 by Dr. Rajkumar
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