

**SCOPE OF SUPPLY FOR BATTERY OPERATED TROLLEY (CAPACITY 2.0 TON)****A. Technical Specification:**

Sl. No.	Specification	Requirement
1	Capacity	2Tons
2	No. of Wheels	03 or 04 nos.
3	Type of Wheels	Solid rubber tyre type.
4	No. of Drive Motor	One Motor
5	Drive Motor Rating	AC or DC, Rating 4 KW or above as per Vendor design.
6	Motor speed control	AC or DC
7	Speed Control type	Through Step/ Step less controller. In case of stepped controller, 4 forward & 1 reverse speed steps.
8	Operator Control	ON/OFF through key switch, Reverse/Forward, Speed Control and Brakes.
9	Platform Floor	Covered with 5 mm thick chequered M.S. plate.
10	Brake	Hydraulic assisted Mechanical type
11	Battery	Exide make Lead Acid type Traction Battery without electrolyte, Uncharged, 36V and Ah rating suitable for Six hours of operation of the Battery Operated Trolley. Battery should have Auto fill system.  Electrolyte shall be supplied separately along with order. Filling of electrolyte and charging should be done at the time of commissioning by Party at BHEL.
12	Charger Type	Electronic /Conventional suitable for fully charging the battery within 8 hours.
13	Emergency Power Cut-off Switch:	Yes
14	Finish Color :	Yellow
15	General	a. All standard protections in electric system shall be provided b. Standard two pin nylon connector shall be provided for battery connection.
16	Documents in hard copy	a. Operation Manual. b. Service manual for Trolley and charger, complete with parts catalogue. The parts catalogue shall include all bought items like bearings, wheels, speed controllers, Operator foot control etc. and their OEM details along with complete address -2 Nos.
17	Warranty	12 months warranty required from the date successful commissioning at BHEL Haridwar.

**B. Spares:**

Sl. No.	Item	Quantity
1	Speed Controller including Operator foot control	01 set with each Battery Operated Trolley.
2	Wheels	02 Nos. (01 No. Front + 01 No. Rear) with each Battery Operated Trolley.

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