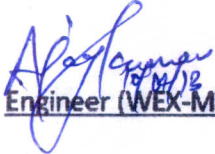


HW/WEX/MT/2013-14

Date - 10/04/2013

**Pre-Qualifying Requirement of Vendors for Supply of Battery Operated Trolley Capacity – 02 Ton. (PQR):**

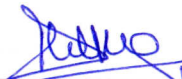
1. Vendor should have experience of manufacturing the offered or higher capacity Battery Operated Trolley for at least 3 years.
2. The offered model should be from current manufacturing range.
3. Vendor to submit customers list at least 3 years for above mentioned supply.

  
Engineer (WEX-MT)

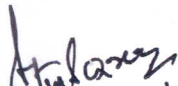
Manager (WEX-MT)

Sr. DGM (WEX-MT)

Manager (PPX-CAP)

  
Dheeraj Kumar Singh  
10/04/13  
Asstt. Engineer-II (WEX-MT)

  
10/04/13

  
10.4.2013

**TECHNICAL SPECIFICATION OF BATTERY OPERATED TROLLEY CAP. - 2 TON Qty. - 09 Nos.****BATTERY OPERATED TROLLEY**

MODEL - (High Platform)	= THREE WHEELER
CAPACITY	= 2 TONS
FRONT WHEEL 1 No	= SIZE 460 X 125 MM (SOLID RUBBER)
REAR WHEELS 2 Nos.	= SIZE 460 X 125 MM (SOLID RUBBER) STANDARD WHEELS SHOULD BE SUPPLIED.
PLATFORM WIDTH	= 980 MM
PLATFORM LENGTH	= 1800 MM
OVERALL LENGTH	= 3100 MM
WHEEL BASE	= 2120 MM Approx.
TURNING RADIUS	= 2355 MM Approx.
GROUND CLEARANCE	= 90 MM
LADEN SPEED	= 6 to 10 kmph
UNLADEN SPEED	= 9 to 13 kmph
GRADEABILITY LADEN	= 6%
GRADEABILITY UNLADEN	= 10%
PLATE FORM FLOOR	= Covered with chequered M.S. plate (6MM Thick).
DRIVE UNIT	= Gear drive.

**TRACTION BATTERY**

- = Exide make 30 Volt 290 AH/ 300 AH (Tubular) Dry and Uncharged conforming to IS:5154:1980 reaffirmed 2003 (First Revision).
- = Filling of electrolyte and charging shall be done at the time of commissioning at our works (BHEL Haridwar).
- = To be provided with good quality electronic controller and MOSFET chopper control.
- = Constant Voltage charger suitable for above battery.

**ELECTRICAL SYSTEM****BATTERY CHARGER****HOOKS**

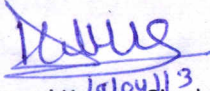
- = Front hook, rear hook and lifting hook (eyes to be provided)

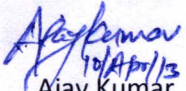
**Extra spares**

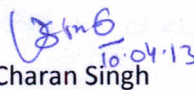
- = 2 Nos. Rear wheel & 01 No. Front Wheel are required for each BOT).
- = 01 No. Electronic controller & MOSFET chopper control (For each BOT).
- = 01 No. Main Control PCB of above Battery Charger (For each BOT).

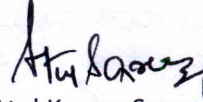
**Note :-**

- 18 Months Guarantee/warranty ~~12ms~~ required from the date of commissioning at BHEL Haridwar.
- All bearing used in Battery Trolley should be SKF or NBC make.
- Service Brakes & Parking Brakes as per IS:9701 :2001, Hydraulic Brakes Required only.
- Any sound should not be come from Gear box and Differential, smooth movement is necessary

  
10/04/13  
Dheeraj Kumar Singh  
Asstt. Engr. (WEX-MT)

  
10/04/13  
Ajay Kumar  
Engr. Trainee (WEX-MT)

  
10.04.13  
Charan Singh  
Manager (WEX-MT)

  
10.4.2013  
Atul Kumar Saxena  
Sr. DGM (WEX-MT)