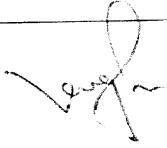



**TITLE: SPECIFICATION FOR BOUGHT OUT ITEM FOR FURNISHING ELECTRONIC SHOP**

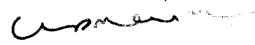
PREPARED BY:

NAME	DESIGNATION	DEPARTMENT	SIGNATURE
VARGHESE PAUL	ASST. ENGR	EMB.SYS/E-SHOP	

CHECKED BY:

NAME	DESIGNATION	DEPARTMENT	SIGNATURE
S.PARTHASARATHY	MANAGER	EMB.SYS/E-SHOP	

APPROVED BY:

NAME	DESIGNATION	DEPARTMENT	SIGNATURE
K P MANIMALA	SDGM	EMBEDDED SYSTEMS	

ISSUED BY:

DEPARTMENT	REVISION NO
EDC/EMBEDDED SYSTEMS/E-SHOP	00

## 1. SCOPE OF SUPPLY

Supply of **Handheld Digital Multimeter** and its accessories as per this specification referred in the enquiry / purchase order.

## 2. TECHNICAL SPECIFICATION FOR HANDHELD DIGITAL MULTIMETER (FOR INDENT NO. C 86550014)

Sl.No.	Feature	Required
1.	DMM Type	Handheld
2.	DMM Functions	Current, Voltage, Resistance, Frequency, Capacitance
3.	Display	Display with VFD or LCD Display with min 6000 counts
4.	No of Digits	4 Digits or better
5.	Voltage Measure AC Max	600V or above
6.	Voltage Measure DC Max	600V or above
7.	Current Measure AC Max	10A or above
8.	Current Measure DC Max	10A or above
9.	Voltage Measuring Range AC	600mV - 600V or better
10.	Voltage Measuring Range DC	600mV - 600V or better
11.	Current Measuring Range AC	110uA - 10A or better
12.	Current Measuring Range DC	110uA - 10A or better
13.	Capacitance Measurement	1000nF – 100mF or better
14.	Continuity	With Beep/Buzzer Sound
15.	Diode Check	1.000V
16.	Power	Battery operated
17.	Resistance Measure Max	60MΩ or above
18.	Frequency Measure Max	99.99KHz or above

One set shall have the following accessories

- |                                  |   |        |
|----------------------------------|---|--------|
| 1. Batteries                     | - | 1 set. |
| 2. Test leads                    | - | 1 set. |
| 3. Valid Calibration Certificate | - | 1 No.  |
| 4. User Manual/Quick Start Guide | - | 1 No.  |

#### **4.INSPECTION AND TESTING:**

The Handheld Digital Multimeter shall be inspected and tested based on the following documents by BHEL or BHELs' authorized inspection agencies.

- a. BHEL Purchase order
- b. BHEL Technical specification.