

## TECHNICAL SPECIFICATION FOR CLAMP ON EARTH TESTER FOR UPPTCL SHAMLI PROJECT

**Clamp-on Earth Tester shall be capable of measuring ground resistance / loop resistance.**

1. Resistance Measurement -1200  $\Omega$ , Instrument safety IEC / EN61010-1, IEC / EN6010-2-032
2. Insulation Double Insulation, Pollution degree Class II
3. Overvoltage category CAT III 150V to ground, Max 20A
4. Degrees of protection IP30, Group III equipment as per EN 60529 Ed 92 IK04, as per EN 50102 Ed 95
5. Resistance Measurement Frequency (KHz) > 1
6. Jaw Size 6smmx32mm
7. Range of Resistance Alarm Critical value ( $\Omega$ ) 1-199
8. Range of Current Alarm Critical Value (mA) 1-499
9. Battery type 4 x1.5V alkaline LR6 AA battery
10. Low battery indication ( Y/N) Yes
11. Internal consumption ( mA ) < 50
12. Auto Power off [after 5 minutes of idleness] (Y/N) Yes
13. Display ( Y/N) Yes, Backlight ( Y/N) Yes
14. Memory size 99 Units of Reading
15. Working Temperature (-10) Deg C- (+55)Deg C, Storage Temperature (-20) Deg C -(+60)Deg C
16. Relative Humidity (working temperature) 10%RH - 90%RH, Relative Humidity (storage temperature) below 70%RH
17. Automatic Range shift (Y/N) Yes
18. External magnetic field ( $A/m$ ) < 40, External electric field ( $V/m$ ) < 1
19. Accessories Necessary accessories shall be provided to use Earth Clamp Tester on 75mm X 10 mm GI Strip also.

The instrument shall be supplied with all standard accessories required for complete working of the equipment.