

Specification of Non Contact AC Voltage Detector

Scope : The Voltage Tester Pen is only used to judge whether the conductor is live or not & having following features & Detects voltage without metallic contact

[A] Features

- Voltage Sensitivity Range: 90-1000V AC.
- IP Protection : IP54 with CE - Marking.
- Measurement category: CAT-IV.
- With Bright & flashing LED of RED color, convenient for operating in darkness.
- Audible sound should be with chirping loud tones.
- Fits in a shirt pocket for convenience.
- Detects voltage without metallic contact.
- Voltage tester pen selectable colours: Preferably yellow.
- Entire outer surfaces are non-conductive for safety, helps avoid high voltage shock.
- Rugged double molded housing.
- Tip fits into outlets OR against wire insulation testing.
- LV (250/433) Voltage shall be detected from minimum 10mm distance without any physical contact.
- HV (11KV) Voltage shall be detected from minimum 1.25 Mtr distance without any physical contact.
- It is operated by batteries.
- Differentiate Live wire and Neutral wire.
- Simple & rugged ON/OFF facility.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

UGVCL/SP/III/812/Non Contact AC Voltage Detector

- The firm has to submit the operating instructions (for following) manual in English as well as in **Gujarati** language with adequate photographs along with their bid.
 1. Meaning of the symbols on tester
 2. Instruction for Turn unit On , Turn unit Off ,System self test
 3. Checking for the presence of the AC Voltage
 4. Low battery indication
 5. Auto power off to conserve the battery life.
 6. Instruction for maintenance of the tester
 7. Instruction for Battery insertion as well as replacement
 8. Any other feature
- The bidder has to submit the point wise compliance against specification along with their bid.

[B] Operating Environment

Operating Voltage	AC 90V -AC 1000V
Frequency	50Hz.
Operating temperature	-5 to 55°C
Storage temperature	-5 to 55°C
Humidity	< 80%
Altitude	3000m
Pollution Degree	Pollution Degree 2

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[C] Mechanical Specification

Power	(Size AAA)1.5V x 2 Battery [included]
Battery Life	Standby 1.5years, 6 hours for continuous using
Weight	50g max [Preferably]
Size:	160 mm (L) x 25mm (W) [Preferably]
Length of Nib with insulation	10mm [Preferably]
Holding Clamp	32mm [Preferably]

[D] Guarantee/Warranty

If the goods, stores and equipments found defective due to bad design or workmanship the same should be repaired or replaced by you free of charge if reported within One month of their receipt at site. Guarantee period of tendered item shall be 12 months from the date of supply .You will be responsible for the proper performance of the equipments / materials for the respective guarantee period.

[E] Instruction to Bidders

- Bidder has to submit the sample of offered item /Product along with brochures - with additional features (if any).
- The bid without the sample will be out rightly rejected.

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- The bidder has to give demonstration of their offered product as and when required.
- The Bidder should be Manufacturer OR Authorized Dealer of the Manufacturer & they have to submit the documentary evidence in this regard.
- The samples submitted by bidders, subsequently examine by our selection committee & approval thereof be one of the criteria for deciding the technical acceptability.
- Bidders are requested to submit price - bid (Schedule - B) by on-line (e-tendering) only and not to submit the price bid in physical form. This is mandatory. If price bid is submitted in physical form, same will not be opened and only on-line submitted price bid will be considered for evaluation.
- Bidder has to submit the copy of orders executed for tendered item along with the performance certificate. if any.
- Bidder has to submit the point wise their comments for all above points of specification - It is mandatory.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	