

DANGEROUS LIQUID DETECTORS (DLD)

1. Capable to detect liquids such as Acetone, Benzene, Butyl alcohol, Dichloromethane, Dichlorobenzene, Diesel oil, Dry solvent , Ethanol, Ethyl alcohol , Ethylene Glycol, Gasoline, Glycerin, Isopropyl alcohol, Lighter oil, Methanol, Mixed Gasoline, Nitroglycerin, Nitro methane, Paraffin oil , thinner, Toluene, White Gasoline, White Kerosene etc.
2. It should be capable of identifying mixtures
3. Desirable - capable to detect Explosives/ narcotics/chemicals.
4. It should be provided with suitable sample bottle and suitable sampling devices.
5. Instant response to plastic/ glass bottles.
6. Should be easy to operate.
7. Should not involve the use of chemical substances or X-rays or other radiation in the inspection process.
8. Capable to detect the liquids quickly.
9. Detection in real time, in seconds.
10. Colour LCD Monitor minimum 2".
11. Clear audible and visual signal for indication.
12. Easy control the detector based on intuitive feather touch interface.
13. Capable of auto self-calibration and fully automatic self-adjusting circuits.
14. Facility to set to power save / sleep mode.
15. Display real-time clock.
16. Principle of detection: Substance identification by microwave /liquid chromatography / Raman Spectroscopy or more advanced technology.
17. Detection interval: Real time with in a second.
18. Result notification: Displayed on LCD panel & a buzzer.
19. Detection process: Automatic identification when placed on the surface of subject.
20. Power consumption: Less than 0.35A.
21. Operational condition: 0 50c, 95% RH.
22. Weight : Less than 2 Kg
23. Rechargeable battery and Spare battery (with charger). Battery backup up to 12 Hrs or better.
24. Sturdy, light weight Carrying case
25. If the equipment needs repairs it should be carried out within 10 days from the date of receipt of intimation. If more time is required for repairs another equipment should be provided till the original

equipment got repaired.

26. Miscellaneous : The firm should be able to provide the following along with the equipment

1. Cleaning kit
2. Special maintenance tools
3. Training aggregate – charts, slides, training brochure, training work model, blow up diagram, video films etc.
4. Physical training in India
5. Tech manual giving full description of the item
6. Users handbook and literature on preservation/maintenance (in english)
7. Procedure for packing, handling/transportation/storage

27. The vendor should impart detailed training free of cost to sufficient personnel at the place(s) specified by the Department.

28. The supplier should have well-equipped office / workshop for maintenance with qualified engineers in repairs/ service. If the equipment needs repairs it should be carried out within 10 days from the date of receipt of intimation.

29. Supplier should have direct authorization from the OEM to participate in the tender. Necessary authorization documents should be made available in this regard. The name of the OEM along with the contact telephone numbers, addresses, fax numbers & E-mail address may be available for confirmations with the OEM about the status of the supplier.

30. Periodical service minimum once in three months during warranty period.

31. Minimum 3 years warranty for the equipment, batteries, charger and for other all accessories.

32. The Firm should provide AMC for a period of 5 years after the warranty period should be enclosed with the tender proposal.

33. AMC should be express as percentage of total product value (TPV) separately for each year of AMC.

34. Tenders will be evaluated based on the net liability to the department which includes Product cost and AMC cost.