

Laser Photo Acoustic Spectroscopy (LPAS)

In present day scenario, the detection of explosives and other hazardous substances/materials used by Anti-National Elements (ANEs) is very difficult and tedious in nature. The ANEs carry these materials either in very small quantity packaged in a manner to which are visually difficult to detect and do not emanate any vapours.

Instruments Research & Development Establishment (IRDE) has developed LPAS technology that has the capability of detection and identification of hazardous molecules (vapour/aerosols/liquid/powder) from a stand-off distance, which get adsorbed on the surface of packaging material, clothes, baggage, parcels etc. during the packaging process. It may also be configured for point detection application for trace detection of residues of hazardous molecules on surface of bags, clothes, briefcases etc.

Interested Industries are requested to forward their Expression of Interest (EoI) with supporting documents as per Appendix 'D' of DRDO Policy and Procedure for ToT available at <https://www.drdo.gov.in/drdo/transfer-technologies> to Director, Instruments Research and Development Establishment (IRDE), Dehradun with a copy to Director, Directorate Industry Interface and Technology Management (DIITM), DRDO HQ on following addresses:-

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