

RaIDer-X-a new explosive detection device

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RaIDer-X, a new explosive detection device, was unveiled at the National Workshop on Explosive Detection (NWED-2020) in Pune.

About RaIDer-X

- The device has the capability to detect explosives from a stand-off distance.
- The data library can be built in the system to expand its capability to detect a number of explosives in pure form as well as with the contaminants.
- Bulk explosive in a concealed condition can also be detected by the device.
- RaIDer-X has been **co-developed by High Energy Materials Research Laboratory (HEMRL) Pune and Indian Institute of Science, Bangalore.**

About National Workshop on Explosive Detection (NWED-2020)

- The two-day workshop has been **organised by HEMRL Pune** on its diamond jubilee celebration.
- HEMRL Pune is a premier laboratory of DRDO.
- It provides a platform to scientists, technocrats and users to share knowledge, experience and updated information on the technological advancements made in the recent past.
- The workshop will help in the further development of explosive detection devices and keep abreast on the recent development and advancements in the field of explosive detection.

A brief note on the High Energy Materials Research Laboratory (HEMRL)

- HEMRL is one involved in basic and applied research in the area of high energy materials.
- HEMRL conducts R&D in formulation, design and development of propellants, high explosives, pyrotechnics, polymeric materials, liners/insulators, and other materials.
- These include studies on the physicochemical and combustion characteristics of materials, study of detonation phenomena and development of new systems.