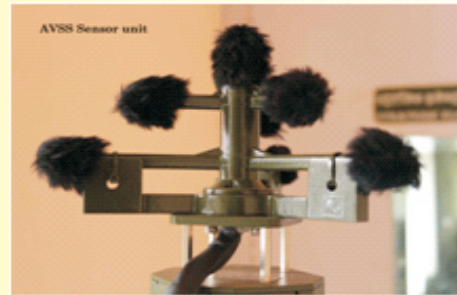


Acoustic Gunshot Detection System detects and conveys the location of gunfire using an array of acoustic sensors. These systems can be used by military, law enforcement and security agencies to identify the direction of gun fire.



## Shot Detection Parameters

- **Tested weapons** : 5.56 x 45 mm, 5.56 x 30 mm, 7.62 x 39 mm (JVPC or SMG, INSAS, AK-47)
- **Detection Accuracy in Azimuth angle** :  $\pm 3^\circ$
- **Detection Accuracy in Elevation angle** :  $\pm 5^\circ$
- **Detection Range** : Tested upto 400 meters in DRDO and Police firing ranges with JVPC or SMG, INSAS, AK-47 etc
- **Detection Rate** : Above 90%
- **Coverage** :  $360^\circ$
- **Power** : 24VDC ,30W
- **Environment specification** : L2B ; As per JSS 55555:2012

## Applications in Indian Scenario

- Surveillance of high security installations such as government buildings, military installations, museums etc for alerting potential human targets to take evasive action and to direct security forces to neutralize threats.
- Counter insurgency and combating operations of in-land security forces against internal threats
- Operations of Indian Defense forces against external threats
- Collecting Forensic evidences after a Gunshot incident

*In India, the Acoustic Gunshot Detection System developed by CDAC is the first indigenized field tested product. Indigenization of the system made it affordable, especially in cases where large numbers are required, specially in border areas for 24 x 7 security surveillance.*

## STRATEGIC ELECTRONICS GROUP

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