

# ACOUSTIC TEST FACILITY

## SUMMARY

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The Acoustic Test Facility (ATF) caters to the need of Indian Space programme by conducting dynamic qualification tests of satellites, satellite sub systems and launch vehicle subsystems. Two major satellites were

qualified for launch during the year.

The facility also designed, fabricated, tested and exported air jet noise generators to Korea and Japan through Wyle Laboratories, USA.

### 4.1

## ACOUSTIC TESTS

Acoustic tests were conducted on following systems.

- Acoustic tests on INSAT 3C flight model at the maximum of 146 dB.
- Acoustic tests on TES flight model at 147 dB (*Fig. 1*).
- Acoustic tests on INSAT 3A solar panel.
- Acoustic tests on OSR panels.
- Acoustic tests on antenna reflectors.
- Vibration studies of satellite mounting trolley.

⇒ *Fig. 1 TES spacecraft under test at ATF.*

