



Department of Space

# Lithium Battery Technique

Posted On: 29 MAR 2017 5:11PM by PIB Delhi

ISRO has developed lithium ion battery for satellite and launch vehicle applications. Four types of batteries have been developed – 1.5Ah, 5Ah, 50Ah and 100Ah. Out of these, 1.5Ah & 50Ah have been used for space applications and 5Ah & 100Ah batteries are qualified and is ready for induction in space applications.

ISRO has supplied 50 Ah lithium-ion cells to Automotive Research Association of India (ARAI). Lithium-ion battery developed by ISRO was successfully demonstrated in a prototype two-wheeler at the Symposium on International Automotive Technologies (SIAT 2017) on 19th January, 2017. The prototype uses a 48V, 50Ah lithium-ion battery, which can attain speeds of 40-50 kmph and can run up to 98 km once charged for 2 hrs.

Technology is ready for transfer to Indian industries for undertaking the production of Li-ion batteries. BHEL has expressed interest in the transfer of technology.

This information was provided by the Union Minister of State (Independent Charge) Development of North-Eastern Region (DoNER), MoS PMO, Personnel, Public Grievances & Pensions, Atomic Energy and Space, Dr Jitendra Singh in written reply to a question in Lok Sabha today.

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