

ISRO–BHEL Tie up for the Production of Space Grade Lithium-Ion Cells

Department of Space

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ISRO has entered into a Technology Transfer Agreement (TTA) with Bharat Heavy Electricals Limited (BHEL), which is one of the country's leading PSUs, to transfer the technology for the manufacture of space grade Li-Ion cells. The TTA was signed at ISRO Headquarters, Bengaluru yesterday in the presence of Dr. K. Sivan, Chairman, ISRO and Mr. Atul Sobti, Chairman & Managing Director, BHEL.

ISRO uses Li-Ion batteries as power sources for satellite and launch vehicle applications due to their high energy density, reliability and long cycle life. Vikram Sarabhai Space Centre (VSSC) of ISRO at Thiruvananthapuram has successfully developed the technology to produce space grade Li-ion cell, demonstrated the performance of the cell under various testing conditions and established its cycle life characteristics in accelerated mode. These cells are currently being used for various satellite and launch vehicle applications.

This Li-ion cell Technology Transfer will enable BHEL to produce space grade Li-Ion cells which can meet the country's space programme requirements. This technology can also be adopted to cater to the Li-Ion cell requirement for other national needs.

BB/NK/PK

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