National Institution for Quality and Reliability

80, Nungambakkam High Road, Chennai - 600 034

15th NIQR National Convention

NIQR – GKD AWARD
FOR
OUTSTANDING ORGANISATION -2016
to
INDIAN SPACE RESEARCH ORGANISATION (ISRO)
Presented on 11th June 2016 at Chennai

Indian Space Research Organisation (ISRO) has truly done the country proud as the foremost space research organisation and placed India among the top six countries of the world in space research.

Over the last five years ISRO has made tremendous strides in space science and technology, paying special attention to quality related aspects in design, construction, manufacture, assembly, system integration, validation, performance compliance and reliability. This has indeed helped the organisation accomplish its missions successfully, fulfilling all its planned objectives in this frontier area of cutting edge technology.

The most significant mission that bears testimony to the height of their accomplishments is Mars Orbiter Mission. This was India's maiden venture into the interplanetary space to explore and observe Mars surface features, morphology, mineralogy, and Martian atmosphere. The complexities in managing such a mission are mind boggling. The enormous distance involved in the inter planetary mission necessitating travel for more than 300 days demands faultless space communication systems, control, guidance and navigation capabilities with requisite on-board autonomy in the space craft to handle contingencies.

Successful launching of a series of PSLVs on a variety of missions which included the deployment of India's own Regional Navigation Satellite System (IRNSS) comprising of an array of 7 Satellites to cover the entire Indian sub-continent and its neighbourhood was another remarkable achievement. IRNSS will enable satellite navigation facilities to our land, sea and air borne vehicles for commercial and logistic activities. For this purpose 18 ground stations are established by ISRO across the country to provide navigational parameters.

Another noteworthy achievement of ISRO is launching of a range of earth observation / communication spacecrafts, including micro satellites from Universities successfully using the PSLV, which has emerged as one of the most reliable and sought after vehicle in the global launch services market.

ISRO has demonstrated its capability to indigenously design and manufacture a variety of spacecrafts including heavy communication satellites. A recent notable accomplishment is the development and testing of large cryogenic engine for use in GSLV MK-3 launcher to deploy heavier payloads into orbit.

For these and many more remarkable achievements maintaining supreme quality with the goal of 'first time right', We, the members of NIQR, are privileged to present **NIQR – GKD Award for outstanding organisation – 2016 to Indian Space Research Organisation** on this day, 11th June 2016 at Chennai.

S.Rajasekaran
Convention Chairman – NIQR

R.Sivanesan
National President – NIQR