

GOVERNMENT OF INDIA
MINISTRY OF SPACE
RAJYA SABHA
QUESTION NO 19.11.2009
ANSWERED ON
ACHIEVEMENTS OF CHANDRAYAAN

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Shri Nand Kumar Sai

Will the Minister of COAL AND MINES be pleased to state :-

- (a) whether Chandrayaan-I mission has been over;
- (b) if so, the details thereof;
- (c) the details of the achievements of the Chandrayaan-I; and
- (d) the extent to which the country has been benefited by the said mission?

ANSWER

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS, MINISTRY OF PARLIAMENTARY AFFAIRS , MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTRY OF EARTH SCIENCES

(SHRI PRITHVIRAJ CHAVAN):

(a)Yes, Sir. This spacecraft mission is over.

(b)Chandrayaan-I mission was launched on October 22, 2008. It completed 312 days in orbit and made more than 3400 orbits around the Moon.

(c)Significant scientific achievements of Chandrayaan-I are as follows :

Demonstrated technological capabilities to accurately navigate the Chandrayaan-I spacecraft and place it in an orbit around the Moon, which is at a distance of 4,00,000 km. This capability was achieved in the first attempt. Indian Tricolour was dropped on the surface of the Moon through Moon Impact Probe. Made observations through various high resolution instruments to study the Moon surface, mineralogical contents, etc.

(d)The mission has demonstrated the capability of India for deep space communication, advanced sensors, miniaturization, automation etc. Indigenous development of Deep Space Network with 32-m antenna has demonstrated the Indian industry's capability and maturity. It has enhanced interest of younger generation in scientific and space activities and enhanced India's prestige amongst the world scientific community.