

and does not affect the long term policy.

Life Span of Insat-1A

674. SHRIMATI USHA MALHOTRA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the life span of INSAT-1A has been reduced due to certain snags developed therein; and

(b) if so, what steps Government have taken to remove the snags?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ELECTRONICS AND ENVIRONMENT AND OCEAN DEVELOPMENT (SHRI CHANDRA PRATAP NARAIN SINGH): (a) Yes, Sir.

(b) The major snags encountered by the spacecraft related to the deployment of C-band antenna and the solar sail certain anomalies were also noticed concerning performance/operation of telecom transponder channel number five, Data Relay Transponder (DRT), Very High Resolution Radiometer (VHRR) Transmitter, etc. Through a contingency manoeuvre involving a single 60-milli-second firing of a east face thruster below, the stowed reflector, the C-band antenna was successfully deployed. The telecom transponder channel number five has also been successfully switched to its telecom mode and as such, all twelve telecom transponder channels are now working. The Data Relay Transponder (DRT) anomaly which was due to incorrect interpretation of test data has been resolved. The final confirmation of the resolution of the DRT anomaly awaits link testing in Data Collection Platform (DCP) burst mode with a DCP data receiver of India Meteorological Department. The operation of the VHRR transmitter is being carefully monitored, and the anomaly has not repeated for the last 15 days. The solar sail is still undeployed.

INSAT-IC

675. SHRI R. R. MORARKA: Will the PRIME MINISTER be pleased to state:

(a) whether there is any proposal under Government's consideration to include INSAT-IC satellite in the current plan period;

(b) if so, what is the financial implication thereof; and

(c) what is the expected life span of this satellite?

THE MINISTER OF STATE IN THE DEPARTMENTS OF SCIENCE AND TECHNOLOGY, ELECTRONICS AND ENVIRONMENT AND OCEAN DEVELOPMENT (SHRI CHANDRA PRATAP NARAIN SINGH): (a) to (c) The strategy as reflected in the 1980-85 plan and has approved Space Research and Development profile for 1980-90 involved an additional INSAT-I spacecraft (INSAT-IC) as a replacement for INSAT-1A in 1988-89 time-frame. The launch of the second INSAT-I spacecraft (INSAT-IB) is scheduled, as per original plans, in July, 1983. The INSAT-IB was conceived as an active on-orbit spare satellite. However, as a consequence of the reduced life of INSAT-1A, INSAT-IB is now expected to perform the functions of INSAT-1A, which after IB launch will become the spare. The question of what other steps are to be taken in the context of the reduction in the life of INSAT-1A are under detailed consideration.

Charges Against Chief Minister of Madhya Pradesh

676. SHRI LAKHAN SINGH:
SHRI LAL K. ADVANI:

Will the Minister of HOME AFFAIRS be pleased to state:

(a) whether it is a fact that a charge sheet against the Chief Minister of Madhya Pradesh was submitted to