

**GOVERNMENT OF INDIA
COAL AND MINES
LOK SABHA**

UNSTARRED QUESTION NO:4544
ANSWERED ON:22.04.2002
GEOLOGICAL SURVEY OF INDIA
UMMAREDDY VENKATESWARLU

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

(d) whether Geological Survey of India (GSI) have technical know how to conduct the aerial survey in the search for new reserves of minerals;

(e) if so, the details of survey conducted, survey-wise; and

(f) if not, the steps proposed to be taken by the Government in this regard during Tenth Five Year plan?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF COAL AND MINES (SHRI RAVI SHANKAR PRASAD)

(a) : Yes, Sir. The Department of Airborne Mineral Surveys and Exploration (AMSE) set up by the Government of India in 1965 merged with Geological Survey of India (GSI) as a specialized Wing in 1970. Since its inception it has been carrying out airborne geophysical surveys in different parts of the country. In 1986, AMSE Wing acquired its own Twin Otter Airborne Survey System (TOASS) for conducting multisensor surveys for identification of potential target areas for mineral search.

(b) : The details of surveys conducted by AMSE Wing are as below -

Project	Year	States covered	Quantum	Type of survey
Operation Hard Rock by M/s Aeroservice Corporation, USA	1967-68	Andhra Pradesh, Bihar, Rajasthan	1,44,462 lkm (90,395 sq km)	Multisensor

BRGM-CGG, France	1971-72	Gujarat, Rajasthan, Madhya Pradesh, Maharashtra, Karnataka	1,43,507 lkm (76,460 sq km)	Multisensor
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GSI-NGRI Collaboration	1979-82	Bihar, Uttar Pradesh, Madhya Pradesh, Gujarat, Andhra Pradesh, Karnataka	95,008 lkm (1,42,984 sq km)	Magnetic
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National Programme of Aeromagnetic Survey

(A 15 year Project)
GSI-NRSA Collaborative Venture 1981-96 Area lying between 8° and 24° N latitude. 3,73,189 lkm (13,68,894sq km) Magnetic

GSI's Twin Otter Surveys

(mainly for Oil India & ONGC) 1989-94 Uttar Pradesh, Bihar, West Bengal, Assam and

North Eastern Region 45,542 lkm
(1,19,224 sq km) Magnetic

GSI`s Twin Otter Surveys
1986-2001 Andhra Pradesh,
Karnataka, Orissa, Uttar
Pradesh, Madhya Pradesh,
Maharashtra, Rajasthan,
Tamil Nadu and Haryana 2,68,627 lkm
(1,32,041 sq km) Multisensor

(c) : Multisensor surveys in an area of 70,100 sq km has been proposed during the 10th Five Year Plan.