

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:4046
ANSWERED ON:20.04.2005
MODERNIZATION OF SURVEY OF INDIA
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether the Survey of India needs to be modernized to a large extent;
- (b) if so, the present status of Survey of India vis-à-vis similar organizations of advanced countries;
- (c) whether Government has any specific plans in this regard; and
- (d) if so, the details thereof?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (SHRI KAPIL SIBAL)

(a) Yes, Sir. With the advancement in technology and increased use of geographical information System(GIS), availability of upto date data has become a key factor for planning developmental activities. To meet this challenge, Survey of India needs to be modernized. The process has already been initiated and has gained considerable momentum.

(b) Survey of India was lagging behind similar organizations of advanced countries in all fields of surveying and mapping i.e.,

Spatial Data Acquisition,
Spatial Data Transformation,
Spatial Data Management and Dissemination.

But with the procurement of modern and sophisticated instruments, during the IXth and the Xth Plan, Survey of India will be well equipped with latest technology and state-of-the-art instruments comparable to any organization of advanced countries like the Ordnance Survey of U.K. or Australian Survey. Survey of India was producing maps in analogue form, but Survey of India is switching over to generate data in digital form. Adopting latest technology is an ongoing process, which when completed will make Survey of India to be at par with the survey and mapping agencies of other advanced countries.

(c) Yes, Sir. Government have specific plans for IXth Five-Year Plan (1998-2001) and Xth five-year plan (2002-2006) by allotting adequate funds on different schemes projected by Survey of India to build up infrastructure for state-of-the-art technology and cope with the present day needs. The process will continue to the XIth Plan also.

(d) Survey of India still needs to be provided with additional equipment and facilities for complete modernization as listed under:

- Aerial Digital Camera,
- ALTM Sensors
- Map Publishing System
- High Speed Connectivity between the State Centres and National Geo-spatial Data Centre
- Laser Range Finders
- Mobility for Surveyors for field verification
- Vehical Mounted Digital Camera integrated with GPS
- Setting up Active Control Points Network for real-time connection of positional accuracies
- High End Servers for Data Management
- Technology for speedy dissemination of data such as heavy duty plotters for maps on demand.

Survey of India is procuring more and more sophisticated instruments/equipments in a phased manner to keep phase with latest trend

of surveying and mapping existing with advanced countries.