

**GOVERNMENT OF INDIA
MINES
LOK SABHA**

UNSTARRED QUESTION NO:3030

ANSWERED ON:16.03.2010

SURVEY FOR MINERALS

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Will the Minister of MINES be pleased to state:

- (a) whether the Geological Survey of India (GSI) and other agencies have conducted any survey for exploration of precious metals / mineral reserves in the country;
- (b) if so, the outcome of such surveys during each of the last three years and the current year, mineral / precious metal-wise, State-wise and location-wise;
- (c) the quantum of such minerals / precious metal reserves / deposits alongwith its estimated values State-wise and mineral / precious metal-wise;
- (d) the details of the new areas identified by GSI for conducting fresh surveys; and
- (e) the time by which extraction / exploitation of such mineral / precious metals is likely to commence?

Answer

THE MINISTER OF MINES AND MINISTER OF DEVELOPMENT OF NORTH EASTERN REGION (SHRI B.K. HANDIQUE)

(a), (b) & (c) : Geological Survey of India (GSI) carries out regional exploration for precious metals / mineral like gold and Platinoid group of elements(PGE) as well as for diamond etc.

The details of such surveys during the last three years and the current year State-wise and mineral-wise is as below:-

Mineral Year State / district

Diamond 2006-07 Kimberlite in Pebberu block in Mahaboobnagar district,
Andhra Pradesh.

2007-08 Kimberlite in Chagapuram sub block, Mahaboobnagar district,
Andhra Pradesh.

2009-2010 Butthpur and Achampet Blocks in Mahaboobnagar district,
Andhra Pradesh. (2008-2010)
Kalwakurthy Charakunda block in Mahaboobnagar and Nalgonda
districts, Andhra Pradesh. (2008-2010).
Raichur district, Karnataka. (2009-2011).

Gold Ore 2006-07 Ajjanahalli central sector and Ajjanahalli East block
(North sector), Tumkur district, Karnataka.
Delwara West Block, Delwara block and Khankariya Gara block,
Bhukia gold belt, Banswara district, Rajasthan.
Dugocha Main (Central) block and Dugocha North block, Udaipur
district, Rajasthan.

2007-08 Delwara West block, Bhukia area, Rajasthan.
Baghmara block, Sonakhan area, Raipur district, Chhattisgarh.

2008-09 Delwara West block, Bhukia area, Banswara district, Rajasthan.
Soanapahari area, Sonbhadra district, Uttar Pradesh.
Sonadehi gold prospect in Chhattisgarh.

2009-2010 Munger - Rajgir Group of rocks in Nalanda district, Bihar (2008-2010) (silver mineralization)
 Sindauri East Block, Ranchi district, Jharkhand (2008-2010)
 Tilaitanr-Sobhapur area of Archaean Greenstone Belt, East and West Singhbhum districts, Jharkhand (2009-2011) (Nickel, PGE and Chromite).
 North of Krishna river, Gadwal schist belt, Mahaboobnagar and Kurnool districts, Andhra Pradesh (2008-2010) (other associated elements)
 East of Kanganapalle, northern part of Ramagiri-Penakacherla schist belt, Anantapur district, Andhra Pradesh (2008-2010) (Mineralisation).
 Ajjanahalli Block-D, Tumkur district, Karnataka (2009-2011)
 Northern part of Mangalur schist belt, Gulbarga district, Karnataka (2008-2010) (tin and other mineralization)
 Delwara West block, Bhukia Gold Belt, Banswara district, Rajasthan. (2005-2010) (copper mineralization)
 Gundelpara NW Block, Banswara district, Rajasthan. (2009-2010) (associated copper mineralization)
 Martoli-Milam area and Niti area, Pithoragarh and Chamoli districts, Uttarakhand (2009-2010) (and associated mineralization)
 Belaghatta block, Chitradurga district, Karnataka. (2008-2010).
 Auriferous polymetallic volcanogenic massive sulphides in Danva Block, Sirohi district, Rajasthan. (2008-2010)

PGE 2006-07 Hanumalapura (Block A&B), Karnataka.

2009-2010 Tasampalaiyam block in Sittampundi layered mafic - ultramafic complex of Tamil Nadu. (2009-2010)
 Sathyamangalam group in Tamil Nadu. (2009-2010)
 Solavanur and Karappadi blocks and detailed mapping in Mallanayakanpalaiyam block, Mettupalaiyam mafic - ultramafic complex, Tamil Nadu. (2009-2010)
 Sulthan Bathery-Mananthavadi area of Wayanad district, Kerala (2009-2010) (mineralization)
 Gondpipri area, Chandrapur district, Maharashtra. (2007-2009) (nickel and cobalt).
 Ultramafic and mafic rocks in Betul belt Madhya Pradesh. (2009-2011).

GSI estimates resources of minerals by regional scale surveys and the survey reports are published. Reserves are estimated in respect of specific areas taken up for prospecting by other Central and State Government agencies or by private sector. The estimates of mineral reserves is published annually by the Indian Bureau of Mines in the Indian Mineral Year Book a copy of which is available in Parliament Library.

(d): The geological domain potential for search of precious metals / minerals ore are:

Diamond:

- i. Granite-greenstone terrain and Cuddapah basin of Andhra Pradesh
- ii. Granite-greenstone terrain in Gulbarga-Raichur-Bellary, Bijapur, Tumkur and Chitradurga districts of Karnataka.
- iii. Bastar, Raigarh and Raipur districts in Bastar Craton, Chhattisgarh.
- iv. Upper reaches of Ong and Jira rivers in parts of Bargarh and Sonapur districts, Orissa.
- v. Terrain exposing Vindhyan Supergroup, Bundelkhand Granite, Bijawars and Gwalior Group of rocks of Madhya Pradesh.
- vi. Amgaon Gneiss, Bhandara district, Maharashtra.

Gold:

- i. Archaean granite-greenstone belts of Karnataka and Andhra Pradesh and some minor ones in Tamil Nadu and Orissa.
- ii. Volcanogenic massive sulphide type of deposits in Sonakhan, Sakoli, Mahakoshal, Kotri and Raigarh belts of Central India; continuation of Mahakoshal belt in Northern India; Aravalli belt of Western India and Singhbhum belt of Eastern India.
- iii. The high grade granulitic rocks of Kerala and Tamil Nadu.

PGE:

- i. North Kanara, Sandur and Nuggihalli schist belt, Karnataka.

- ii. Kushalnagar area, Coorg district, Karnataka and Usgaon area, Goa.
- iii. Sittampundi Layered Complex and Mettupalem-Velliankadu area, Tamil Nadu.
- iv. Ultramafic rocks in Attapadi and Nilambur valley, Kerala.
- v. Chimalpad-Chimakurthi-Kondapalli in Andhra Pradesh.
- vi. West Singhbhum district in Jharkhand.

(e): GSI's exploration is of a regional level and areas of enhanced mineralization usually need further investigation. Based on the regional level work of GSI or otherwise, applicants can apply for mineral concessions for detailed exploration and in case such exploration reveals exploitable deposits, an applicant can seek a mining concession. As such there is no specific time frame for the purpose.