

**GOVERNMENT OF INDIA  
MINES  
LOK SABHA**

UNSTARRED QUESTION NO:3832  
ANSWERED ON:17.08.2010  
PLATINUM RESERVES  
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**Will the Minister of MINES be pleased to state:**

- (a) whether the Geological Survey of India has found reserves of platinum in the country;
- (b) if so, the details thereof during each of the last three years and the current year, State-wise and location-wise;
- (c) the steps taken by the Government to explore the platinum resources in the country;
- (d) the estimated quantum of the said mineral likely to be extracted during the said period, State-wise and location-wise; and
- (e) the percentage of platinum available out of the total minerals explored?

**Answer**

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

(a) & (b) : Yes, Madam. Geological Survey of India [GSI] has estimated 0.84 million tonnes of resources of Platinum Group of Elements [PGE] ore with average grade of 1.79 gram per tonne in the Hanumalapura area of Karnataka during the last three years. During the last three years and in the current year, GSI has carried out exploration for PGE in different parts of the country. The details are given below -

Year State Location

2006-07 Tamil Nadu Chettiyampalayan, Namakkal district.  
Mettupalaiyam ultramafic Complex, Coimbatore and Erode districts.

Karnataka Hanumalapura Block-A&B],Tavaregere  
-Mesanikere-Magyathahalli, Davangere district.  
Kaiga-Mothimakki-Biroligudda-Suryakalyanigudda,  
Uttara Kanada district.

Maharashtra Khursipar-Manegaon-Dahegaon area, Gondia district.

Orissa Jamchua-Garsahi area, Baleswar district.

Meghalaya Mawpyut area, East Khasi hills district.

2007-08 Tamil Nadu Mettupalaiyam ultramafic Complex, Coimbatore and  
Erode districts,  
Chettiyampalayan, Namakkal district.

Karnataka Hanumalapura Block-A of  
Tavaregere-Mesanikere-Magyathahalli, Davangere district.  
Hanumalapura [Block-B&C], Tavaregere-Mesanikere-Magyathahalli, Davangere district.  
Kaiga-Mothimakki-Biroligudda-Suryakalyanigudda, Uttara Kanada district.

Year State Location

2007-08 Maharashtra Gondpipri, Chandrapur district.  
Uttar Pradesh Kakarwaha, Lalitpur district.  
Meghalaya Mawpyut area, East Khasi hills district.

2008-09 Tamil Nadu Mettupalaiyam ultramafic Complex, Coimbatore and Erode districts.  
Sittampundi Layered Complex, Namakkal district.  
Maharashtra Gondpipri, Chandrapur district.

2009-10 Jharkhand Tilaitanr-Sobhapur, East and West Singhbhum districts.  
Tamil Nadu Tasampalaiyam, Sittampundi Layered Mafic-Ultramafic  
Complex, Meta ultramafic rocks of Sathyamangalam group,  
Solavanur & Karappadi, Mallanayakanpalaiyam,  
Mettupalaiyam Mafic-Ultramafic Complex.

Kerala Sulthan Bathery-Mananthavadi, Wayand district.

Madhya Pradesh Betul, Betul & Chhindwara district.

Maharashtra Gondpipri, Chandrapur district.

Manipur Ophiolite Belt, Chandel and Ukhrul districts.

Nagaland Ophiolite Belt, Tuensang district.

(c) & (d): GSI has taken steps to explore the PGE resources in geologically potential areas in the country. As a part of Government effort to invite improved modern technology for exploration/ exploitation in the country, Reconnaissance Permits [RPs] are granted to entrepreneurs who bring with them modern technology like remote sensing, geophysical and geochemical exploration etc. for exploration of the minerals. During the last three years, Government has approved the following RPs for PGE, Gold, Silver, Iron-Ore, Cobalt, Copper and associated minerals-

State No. of RPs Area [in Sq. Kms]

1. Andhra Pradesh	12	17382
2. Arunachal Pradesh	1	5000
3. Chhattisgarh	5	2902
4. Karnataka	5	5031
5. Madhya Pradesh	45	54200
6. Maharashtra	5	6741
7 Orissa	5	5643
8. Rajasthan	26	26056
9. Uttar Pradesh	9	8274
10. West Bengal	1	497
TOTAL	114	131726

(e) : The all-India resources of PGM as per UNFC system as on 01.04.2005 are 15 tonnes of metal content [source Indian Bureau of Mines' Indian Mineral Yearbook 2008]. The total resource PGE ore and Platinum(Pt) and Palladium (Pd) metal content in PGE ore estimated by GSI Statewise is as given below.

State Location Resource Metal content Metal out of  
of PGE ore (Pt and Pd) total ore (%)

Orissa Baula -Nuasahi 14.2 million tonnes 24935.0 kg 0.00017

Karnataka Hanumalapura 0.8 million tonnes 1503.6 kg 0.00017

