

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 3601**  
TO BE ANSWERED ON 24.08.2011

**URANIUM RESERVES**

3601. DR. MURLI MANOHAR JOSHI:  
SHRI S. SEMMALAI:  
SHRI L. RAJA GOPAL:  
SHRI SYED SHAHNAWAZ HUSSAIN:  
SHRI DINESH CHANDRA YADAV:

Will the PRIME MINISTER be pleased to state:

- (a) whether the Government has identified the high value uranium reserves in various parts of the country;
- (b) if so, the quantum of uranium reserves found in the country location-wise and State-wise;
- (c) the expenditure incurred by the Government on the said exploration and other works during the last three years and the current year alongwith the details of such exploration work carried out; State-wise;
- (d) the revenue likely to be generated from the said reserves;
- (e) whether the Government proposes to open new mines and setting up of new processing plants;
- (f) if so, the details thereof; and
- (g) the percentage of uranium likely to be imported by the country to meet the production targets of atomic energy at present?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND  
IN THE PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY)

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- (a) Yes, Sir.

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- (b) The Atomic Minerals Directorate for Exploration and Research (AMD), a constituent Unit of the Department of Atomic Energy has established the presence of 1,71,672 tonnes of Uranium ( $U_3O_8$ ) as on 30.06.2011. The location-wise and state-wise details of the uranium resources are as under:

STATE	NAME OF THE DEPOSIT (LOCATION)	URANIUM RESOURCES ESTABLISHED (IN METRIC TONNES $U_3O_8$ )
ANDHRA PRADESH	LAMBAPUR	1450
	PEDDAGATTU	7585
	TUMMALAPALLE -RACHAKUNTAPALLE	63269
	KOPPUNURU	2761
	CHITRIAL	8473
	SUB-TOTAL	83538
CHHATTISGARH	BODAL	1530
	JAJAWAL	1438
	DHUMATH-DHABI	500
	BHANDARITOLA	518
	SUB-TOTAL	3986
HIMACHAL PRADESH	RAJPURA	364
	KASHA-KALADI	200
	TILELI	220
	SUB-TOTAL	784
JHARKHAND	JADUGUDA	5100
	JADUGUDA EXTENSION	1600
	BHATIN	1150
	NARWAPAHAR	10700
	NARWAPAHAR EXTENSION	1080
	TURAMDIH	3750
	BANDUHURAN	5460
	BAGJATA	1860
	MOHULDIH	1700
	MOHULDIH EXTENSION	1630
	TURAMDIH (SOUTH )	4850
	GARADIH	1270
	KANYALUKA	1970
	NIMDIH	815
	RAJGAON	1200
	NANDUP	2910
	CENTRAL KERUADUNGRI	1029
	SINGRIDUNGRI-BANADUNGRI	1764
	BANGURDIH	1140
SUB-TOTAL	50978	

STATE	NAME OF THE DEPOSIT (LOCATION)	URANIUM RESOURCES ESTABLISHED (IN METRIC TONNES U3O8)
KARNATAKA	GOGI	4267
	WALKUNJI-YELLAKKI	415
	SUB-TOTAL	4682
MAHARASHTRA	MOGARRA	355
	SUB-TOTAL	355
MEGHALAYA	KPM (DOMIASIAT)	9500
	WAHKYN	5381
	GOMAGHAT-PHLANGDILOIN	1000
	TYRNAI	600
	LOSTOIN	771
	WAHKUT	1161
	UMTHONGKUT	753
	SUB-TOTAL	19738
RAJASTHAN	ROHIL	5566
	UMRA	1160
	SUB-TOTAL	6726
UTTAR PRADESH	NAKTU	785
	SUB-TOTAL	785
UTTARAKHAND	POKHRI-TUNJI	100
	SUB-TOTAL	100
	GRAND TOTAL	1,71,672

[ 1 tonne of U<sub>3</sub>O<sub>8</sub> = 0.848 tonnes of uranium metal ]

- (c) The details of expenditure incurred during the last three years on uranium exploration under Plan and Non-Plan are as follows:

Sector	Expenditure (Rupees in crore)		
	FY 2008 – 09	FY 2009 – 10	FY 2010 - 11
Plan	93.82	114.86	115.52
Non-Plan	99.72	143.28	137.10
Total	193.54	258.14	252.62

The exploration is carried out depending upon the geological set up of the area and due to geological continuity, the areas in contiguous two states are covered / explored.

Therefore, the state-wise expenditure is not considered for a particular activity of exploration.

- (d) The uranium reserves established by AMD are exploited by the Uranium Corporation of India Ltd. (UCIL), a Public Sector Undertaking of this Department through mining and milling process. Thereafter, the Nuclear Fuel Complex (NFC), a constituent Unit of the Department fabricates the fuel to be used in the nuclear power stations for indigenous power generation by the Nuclear Power Corporation of India Ltd. (NPCIL), a Public Sector Undertaking of the Department of Atomic Energy. Therefore, no direct revenues will be generated from the Uranium reserves; but the reserves will enable operation of nuclear power reactors and generation of electricity.
- (e) Yes, Sir.
- (f) The UCIL is presently operating five underground mines (viz. Jaduguda, Bhatin, Narwapahar, Turamdih and Bagjata), one open cast mine (Banduhurang) and two Processing Plants (Jaduguda and Turamdih) in East Singhbhum District and one underground mine at Mohuldih is under construction at Saraikela Kharswan District (all in Jharkhand State). An underground mine and ore processing plant at Tummalapalle (Tummalapalle Uranium Project) in Andhra Pradesh with a capacity to process 3000 tonnes per day (tpd) ore is in advanced stage of construction. An underground mine and process plant at Gogi in Yadgir District of Karnataka is under pre-project stage.
- (g) Required quantities of Uranium is being presently imported under agreements with other countries, for utilization in 10 nuclear reactors which are under safeguards. Besides, these imports also help in stockpiling of Uranium for future use.

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