GOVERNMENT OF INDIA ATOMIC ENERGY LOK SABHA

UNSTARRED QUESTION NO:4014 ANSWERED ON:18.08.2010 EXPLORATION OF URANIUM RESOURCES Majhi Shri Pradeep Kumar;Singh Shri Uday Pratap

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether Atomic Minerals Directorate for Exploration and Research (AMD), Hyderabad, has carried out any survey and exploration of uranium resources in the country;

(b) if so, whether AMD proposes to conduct Airborne Electromagnetic Time Domain Survey over some identified proterozoic basins in a phased manner;

(c) if so, the details thereof, location wise;

(d) the estimated quantity of uranium resources in each of such locations; and

(e) the steps taken by the Government to explore such resources?

Answer

THE MINISTER OF STATE FOR SCIENCE & TECHNOLOGY AND EARTH SCIENCES (INDEPENDENT CHARGE), PMO, PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS AND PARLIAMENTARY AFFAIRS (SHRI PRITHVIRAJ CHAVAN):

(a) Yes, Sir.

(b) Yes, Sir.

(c) During the XI Plan Period, the Atomic Minerals Directorate for Exploration and Research (AMD), Hyderabad has envisaged to conduct Airborne Geophysical Surveys including Airborne Electro-magnetic Time Domain Survey. So far, AMD has acquired data over 85,868 line kms. departmentally as well as through outsourcing. The details are as follows:

S.No. Locations Survey Conducted (in line km)

1 MOHAR AREA, MADHYA PRADESH 6,500

2 ALBITITE LINE, RAJASTHAN AND HARYANA 9,946

3 BHIMA BASIN, KARNATAKA 36,021

- 4 KALADGI BASIN, KARNATAKA 6,453
- 5 SONRAI BIJAWAR BASIN U.P. AND M.P 3,099
- 6 NORTH SINGHBHUM, W.B. AND JHARKHAND 8,747
- 7 CUDDAPAH BASIN, ANDHRA PRADESH 15,102

AMD proposes to conduct the Time Domain Electromagnetic Surveys in the areas as per the details given below:

S.No. Locations Area (In line km)

1. MAHADEK BASIN, MEGHALAYA 15,000

- 2. PARTS OF BHIMA BASIN, KARNATAKA 10,000
- 3. SRISAILAM AND KURNOOL SUB BASIN, A.P. 10,000

4. NORTH&SOUTH SINGHBHUM, JHARKHAND & W.B 15,000

5. SINGHORA AND BARAPAHARA PROTO BASIN, CHHATTISGARH AND ORISSA 9,000

6. PARTS OF KALADGI AND BADAMI BASINS, KARNATAKA 25,000

7 PARTS OF SONRAI AND BIJAWAR BASINS, U.P. & M.P 8,000

8. PARTS OF ALBITITE LINE, RAJASTHAN 17,000

9. ARAVALLI FOLD BELT, RAJASTHAN 25,000

10. VINDHYAN - MAHAKOSHAL BASIN, M.P. 25,000

11. ABUJMAR AND INDRAVATI BASINS, CHHATTISGARH 25,000

12. KUNJAR-DARJING BASINS, ORISSA; SHILLONG, MEGHALAYA AND PAKHAL BASIN, ANDHRA PRADESH 25,000

(d)&(e) The airborne surveys have been planned in a phased manner and subsequent to the same, the data evolved out of the said surveys are to be interpreted and detailed drilling activities are to be carried out to finalize the uranium occurrence. The surveys will hence help in demarcating the favourable areas for further detailed exploration by ground radiometric, geophysical and subsurface exploration. Interpretation of data acquired during 2008-09 is in advance stage of modeling and interpretation. Tasks taken up during 2009-10 are yet to be completed. The uranium potential of identified areas which exhibit conductivity anomaly will be known only after completion of subsurface exploration by drilling.