

179

APPENDIX  
(See Rule 6)  
FORM-'A'

**Form for seeking prior approval under section 2 of the proposals by the  
state Governments and other authorities**

PART-I

(to be filled up by user agency)

1. Project details:

- i) Short narrative of the proposal and project/scheme for which the forest land is required.  
U-exploration to prove unconformity related deposit below the cover rocks of srisailam Formation covering the northern part of Cuddapah Basin. Similar Geological set up has successfully probed U-deposits at Chitrial, Lambapur & Peddagattu areas in Nalgonda district. Hence Atomic Minerals Directorate for Exploration and Research /Department of Atomic Energy proposes to carry out survey and drilling of boreholes around Amrabad-Udimalla (Mahaboobnagar district)-Narayanpur (Nalgonda district), Telangana with the aim to establish Uranium-deposits in these areas.

- ii) Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.

Toposheet map on 1: 50 000 scale showing the proposed blocks for Uranium exploration - enclosed

- iii) Cost of the Project: ~3700 lakhs

- iv) Justification for locating the project in forest area.

Substantial progress of any country is linked to both energy production and energy consumption. The annual per capita consumption of electricity in India is too low (917.2 kWh) compared to world average (2600 kWh). In the prevailing energy demanding situation to sustain high economic growth, uranium metal has become a critical and immediately needed commodity to generate nuclear power. The share of nuclear energy is meagre 3.5% of the total energy production in India. This is very low again in comparison to world average of 16%. Realizing this, our country is on the threshold of taking a quantum jump in harnessing electricity through the nuclear route. As such, a target of 40,000 MW of electricity is set to be produced by the year 2030 through nuclear energy. In this situation, the demand for augmenting uranium resources and locating new uranium deposits has become need of the hour. In the search for uranium, among various deposit types, the high grade and large tonnage Proterozoic Unconformity type of uranium deposits are by far, the most attractive. In India, uranium deposit, discovered till now, is either of low grade or of low tonnage or of both low grade and low tonnage. Keeping in view, the huge amount of electricity to be produced through the nuclear route, economically feasible high grade deposits are to be found out expeditiously. Sincere, challenging and dedicated efforts of AMD scientists have resulted in locating significant and promising uranium anomalies in the northern parts of Cuddapah basin (Plate 1), similar efforts in other parts of the country have brought out areas with varying potential for locating uranium deposits. Review of all the areas of ongoing investigations and their assessment indicates that northern part of Cuddapah basin in Telangana is the most promising and potential area in the country for locating high grade, large tonnage uranium deposits. Proposed forest land is one of the prime target for exploration of unconformity related U-deposits in India.

v) Cost-benefit analysis (to be enclosed). **Exploration of Uranium as strategic mineral.**

vi) Employment likely to be generated. **Proposed project is a part of Research and Development to establish Uranium resources.**

2. Purpose-wise break-up of the total land required:

The proposed area of investigation is distributed in 4-blocks as depicted in Toposheet map enclosed. These areas fall completely under ATR and lies to the south, SE and SW of Chitrial. The area covers part of Srisailam sub basin of Ghanpur Reserve Forest, in Mahaboobnagar and Nalgonda district, Telengana. Details of the blocks are given below:

Block	Area	Locality	Forest Range	Forest Division
Block-1	38 Sq km	Amrabad	Amrabad	Achampet WLM
Block-2	38 Sq km	Udimilla		
Block-3	03 Sq km	Narayanpur		Nagarjunasagar WLM
Block-4	04 Sq km	Narayanpur		
Total	83 Sq km			

3. Details of displacement of people due to the project, if any:

i) Number of families. **-NIL-**

ii) Number of Scheduled Castes/Scheduled Tribe families **-NIL-**

iii) Rehabilitation plan. (to be enclosed). **Not Applicable**

4. Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No).

5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well cost for protection and regeneration of safety zone, etc., as per the scheme prepared by the State Government (undertaking to be enclosed).

**Not Applicable**

6. Details of certificate/documents enclosed as required under the instructions.



*M.B. Verma*

**M.B. VERMA**

Regional Director,

South Central Region, AMD/DAE

Begumpet (PO), Hyderabad-500016

Date:-

Place:- *Hyderabad*

State serial No. Of proposal \_\_\_\_\_

( To be filled up by the Nodal Officer with Date of receipt)