



**Shri L.K. Nanda**

### **Lifetime Achievement Award**

Shri. Lalit Kumar Nanda obtained Master's Degree in Applied Geology from Indian Institute of Technology, (IIT), Kharagpur in 1980 and joined Atomic Minerals Directorate for Exploration and Research (AMD) in 1981. Since then, Shri. Nanda is actively involved in Exploration and Research for uranium and other atomic mineral resources. In his illustrious career spanning over 36 years in different capacities, he has made exceptional contributions in the field of uranium geology in varied geological domains of India under diverse geographical locations and acquired vast experience in exploration for several types of uranium. His contributions have led in the discovery and development of several promising uranium and REE occurrences in India. Shri Nanda became Director, AMD w.e.f. 1.12.2016.

Shri L.K. Nanda, as a team leader, developed AMD's main thrust areas for exploration of different types of deposits viz. unconformity type in Kaladgi and Shillong basins, sandstone type in Mahadek and Gondwana basins, metasomatite type in Rohil and its environs in North Delhi Fold Belt and carbonate hosted and vein type in Southern Cuddapah basin.

The skilful exploration strategy of Shri Nanda has resulted in establishing a sizeable uranium deposit at Rohil, Rajasthan. Further, extensive sub-surface exploration initiated by him in the adjoining areas of Rohil has resulted in establishing significant uranium mineralisation in Guman Singh Ki Dhani, Jahaz-Maota and Narsinghpuri areas, Rajasthan which can be developed as satellite deposits of Rohil. He has the credit of initiating exploration and developing the geological domains of Siwana Ring Complex, Rajasthan and Ambadongar carbonatite complex Gujarat where substantial REE resources are estimated. He has been instrumental in bringing out the uranium potential of several geologically favorable domains such as calcrete of western Rajasthan, Singhbhum-Odisha platformal cover sediments of Jharkhand and Odisha for QPC type, basement fractures in the southwestern part of Cuddapah basin, Andhra Pradesh and vein type in Lesser Himalaya, Uttarakhand and Himachal Pradesh.

Under his able leadership, significant uranium mineralisation hosted by Mahadek sediments has been extended to Balpakhrum area of Garo Hills in Northeastern India. His strong geological acumen has developed the Shillong basin in Meghalaya and Assam and Kaladgi basin in Karnataka as most potential domains for unconformity related uranium deposits in the country.

As Director, AMD Shri L.K. Nanda has the responsibilities of overall planning, supervision, guidance and execution of exploration programme for uranium and other atomic minerals in India required for the three stage nuclear power programme of Department of Atomic Energy, Government of India.

Shri Nanda has represented the country as an expert member in various international fora such as Nuclear Techniques in Mineral Exploration, IAEA, Manila, Philippines in 1986, 21<sup>st</sup> World Mining Congress and Expo-2008, Krakow, Poland and URAM-2009, IAEA, Vienna, Austria. Shri Nanda, as Member of Indian delegation, has attended the 3<sup>rd</sup> Mongolia-India Working Group Meeting, at Mongolia, during March, 2017. He has published/presented over 105 research articles in National/ International journals of repute and has served as a member/associate of many professional bodies. He has also participated in many National Scientific Research fora and technical meetings.