



# International Seminar

## Innovations and Challenges in Radioactive Waste Management and Disposal (ICRWMD-2019)

11-12 January 2019

Organised by:

**Nuclear Recycle Group  
Bhabha Atomic Research Centre**

Venue: DAE Convention Centre, Anushaktinagar, Mumbai-400 094

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Dr. R. K. Bajpai, Head, RES, TDD, NRG	<b>Convener</b>
Shri Darshit Mehta, Supt. (O:H), WMF, NRG	<b>Co-Convener</b>

Back-end of Nuclear Fuel Cycle in India has witnessed tremendous technological advances in the field of radioactive pre-disposal waste treatment, vitrification technologies, separation technologies, process development and waste disposal technologies. Extensive Research and development activities have also been carried out in the field of noble solvent and waste form development and performance assessment of components of engineered barrier of disposal facilities, numerical simulations etc. **International Seminar on "Innovations and Challenges in Radioactive Waste Management and Disposal"** during 11<sup>th</sup>-12<sup>th</sup> Jan 2019 in DAE Convention Centre is aimed at creating a platform to promote interaction among Engineers and Scientists involved in radioactive waste management and experts from International Institutions, Industries, Academic Institution etc.

### Scope of ICRWMD-2019

- A- Sources of Radioactive Waste
- B- Waste treatment, Volume Reduction, Conditioning & Immobilisation
- C- Radioactive Waste Transport & Storage
- D- Development of Noble Solvent and Waste Forms
- E- Development of Over pack metals and alloys
- F- Valuable Isotopes Recovery for Societal Benefits
- G- Actinides Partitioning and Transmutation
- H- Near Surface Facilities for Low and Intermediate Level
- I- Geological Disposal of Vitrified Radioactive Waste
- J- Development of Clay based Engineered Barrier System (EBS) for Waste Disposal Facilities
- K- Safety Assessment of Radioactive Waste Management & Disposal Facilities
- L- Electronics and Instrumentation in Waste Management Plants
- M- Challenges in Radioactive Waste Management of Thorium Based Fuel Cycles
- N- Underground Research Facilities (URF) and Deep Geological Repository related Experiments, Siting Modelling, Safety Assessment
- O- Regulatory Aspects of Waste Management
- P- Cost Estimation Methodologies for Development of Waste Management and Disposal facilities

<b>Abstract Submission</b>	<b>Nov 30, 2018</b>
<b>Request for accommodation</b>	Dec 15, 2018
<b>Full Paper Submission</b>	Dec 30, 2018

### Participating Institutes/Universities/Industries

- \* ANDRA, France
- \* IAEA, Vienna Austria
- \* Waste Management Institutes from Russia & Sweden
- \* IIT (Bombay, Delhi, Roorkee, BHU, Dhanbad, Patna)
- \* Delhi University, Delhi
- \* CGCRI, Kolkata
- \* NIRM, Bangalore
- \* IISc, Bangalore
- \* GSI, Kolkata
- \* L&T, Mumbai
- \* NML, Jamshedpur
- \* MECL, Nagpur
- \* CIMFER, Dhanbad

**Radioactive Waste Management Exhibition**  
covering entire spectrum of the activities through 3D models, LED poster panel, short films, sample display etc.  
Venue: Hall- B, DAE Convention Centre, Anushaktinagar, Mumbai-94

### Contact Persons

**Dr. C P Kaushik**  
Co-Chairman, Organising Committee  
ICRWMD2019 &  
Chief Superintendent, WMD  
WIP Complex, BARC,  
Trombay, Mumbai-400085  
Tel: +91-22-25595528  
Fax: +91-22-25505151  
Email: cpk@barc.gov.in

**Dr. R K Bajpai**  
Convener ICRWMD 2019 &  
Head, RES, TDD, NRG,  
311A, SB, WIP Complex  
BARC, Trombay, Mumbai- 400 085  
Tel: +91-22-25591149/25591070  
Fax: +91-22-25505151/25519613  
Email: rkbajpai@barc.gov.in

Contributory Papers (in the form of abstract) are invited on the topics covered under the scope. The abstract Template and guidelines are enclosed. The abstract in MS Word file should be submitted by e-mail to [icrwmd2019@barc.gov.in](mailto:icrwmd2019@barc.gov.in) Abstracts will be published as abstract Volume and distributed during the Seminar.