



Department of Atomic Energy

Third Generation Nuclear Reactors

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Bhabha Atomic Research Centre (BARC) has designed Advanced Heavy Water Reactor (AHWR) for utilisation of Thorium. This reactor has several passive safety systems and runs on coolant flow by natural circulation. It meets all the post Fukushima requirements and can withstand severe accidents without exposing radiation in the environment. It meets all the safety features of 3rd generation reactors. AHWR design has been reviewed by Nuclear Power Corporation of India Limited (NPCIL) and Atomic Energy Regulatory Board (AERB) has accorded pre-licensing approval. Government of India has given 'in principle' approval for constructing AHWR in Tarapur, Maharashtra.

This information was provided by the Union Minister of State (Independent Charge) for Development of North-Eastern Region (DoNER), MoS PMO, Personnel, Public Grievances & Pensions, Atomic Energy and Space, Dr Jitendra Singh in written reply to a question in Lok Sabha today.

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