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सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

परमाणु ऊर्जा नियामक परिषद

ATOMIC ENERGY REGULATORY BOARD

नियामक भवन/NIYAMAK BHAVAN,  
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SECRETARY, AERB

July 14, 2015

**PRESS RELEASE**

**AERB grants License for Regular Operation of Kudankulam NPP Unit-1 and Consent for Siting of four more Indigenous Nuclear Power Units in Haryana**

The Atomic Energy Regulatory Board (AERB) had its 115<sup>th</sup> meeting recently on July 8, 2015. The important decisions by the Board in this meeting included granting of License for regular operation of Unit - 1 of Kudankulam Nuclear Power Project (KK-NPP) and Siting Consent for the Gorakhpur Haryana Anu Vidyut Pariyojana (GHAVP) - Units 1 to 4.

Unit -1 of KK-NPP is the first of the two VVER (Russian origin) reactors located at Kudankulam, Tamil Nadu with installed electric generating capacity of 1000 MWe each. It is the first commercial Pressurized Water Reactor (PWR) based nuclear power plant in the country. The Safety review by AERB has confirmed that the reactor satisfies the requirements specified by AERB and the current international safety standards. Subsequent to the first criticality of the unit on July 12, 2013, NPCIL was earlier allowed to raise reactor power in steps, for completing the specified commissioning tests and to synchronize the unit with the southern grid, at various power levels up to 100 % Full Power (FP).

The present decision of AERB for granting the License for regular operation of Unit-1 of KK-NPP is the culmination of in-depth review over many years of the safety aspects related to design, construction and commissioning of the unit with respect to compliance with the specified requirements. The reviews have included checks to ensure that quality assurance norms have been followed and the commissioned systems meet the acceptance criteria for safe operation. Throughout the period of commissioning of the

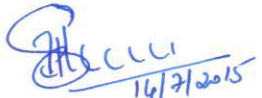
unit, AERB had posted its observers team at the plant site to verify that the activities related to commissioning are being done as per the specified requirements.

The construction of unit – 2 of KK-NPP is complete and the unit is presently undergoing initial commissioning activities.

The Gorakhpur Haryana Anu Vidyut Pariyojana (GHAVP) is a proposed greenfield nuclear project with four 700 MWe units at Gorakhpur, Haryana. The proposed reactors belong to the series of a new generation of indigenous 700 MWe Pressurized Heavy Water Reactor (PHWR) units. The design of GHAVP- 1 to 4 will be repeat design of the Kakrapar Atomic Power Project – 3 & 4 (KAPP 3 & 4) and Rajasthan Atomic Power Projects (RAPP – 7 & 8), which are in advanced stages of construction. These 700 MWe PHWRs will have additional passive design features for enhanced safety levels.

The siting clearance for GHAVP – Units 1 to 4 is granted based on extensive multi-tier safety review of the application and supporting documents submitted by the Nuclear Power Corporation of India Limited (NPCIL). The reviews for site evaluation for GHAVP were conducted in accordance with the requirements of the latest AERB safety code on 'Site Evaluation of Nuclear Facilities'- AERB/NF/SC/S (Rev.1), issued in 2014 which included review of assessment of Radiological Impact of the plant. The application subsequently underwent review by AERB's Committee for Review of Security of Nuclear Facilities (CRSANF) and the Advisory Committee for Project Safety Review of PHWR (ACPSR-PHWR). The Board of AERB being the final authority with respect to decisions on issuance of consents, after examining the overall status of the safety reviews related to siting of GHAVP, has accorded the approval for issuing the Siting Consent.

The Ministry of Environment and Forests (MOEF) had earlier issued the environmental clearance for the project in December 2013.

  
14/7/2015  
**(S. Harikumar)**