



एनपीसीआईएल  
NPCIL

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ऑफ इंडिया लिमिटेड  
(भारत सरकार का उद्यम)

**NUCLEAR POWER CORPORATION  
OF INDIA LIMITED**  
(A Govt. of India Enterprise)

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**Press Release**

**August 29, 2016**

### **Kudankulam Unit 2 Synchronised with the Grid**

The Second Unit of Kudankulam Nuclear Power Project (KKNPP-2), was synchronized with the Southern grid today (29.08.2016) at 11:17 hours. The unit is presently operating at 245 MW. The Unit had attained first criticality (controlled self-sustaining nuclear fission chain reaction in the reactor for the first time) on July 10, 2016. The reactor power will be increased in steps to full power of 1000 MW as per laid down procedures and in line with stage-wise regulatory clearances accorded by the Atomic Energy Regulatory Board (AERB).

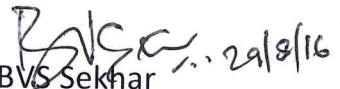
KKNPP-2 will add 1000 MW capacity to the southern grid and raise the contribution of nuclear power in the country from the current installed capacity of 5780 MW to 6780 MW. The electricity generated by the unit will be allocated to the beneficiaries in the southern region, with firm shares to the states of Tamil Nadu, Karnataka, Kerala and the Union Territory of Puducherry.

KKNPP 1&2 (2X1000 MW) are the largest size electricity generating units in the country. These are Light Water Reactors of VVER – 1000 type set up in technical cooperation with the Russian Federation in the first phase.

The first unit of Kudankulam Nuclear Power Project (KKNPP-1) was dedicated by the Hon Prime Minister of India and HE President of Russian Federation in the presence of the Hon Chief Minister of Tamilnadu on August 10, 2016. KKNPP-1 has been continuously operating now for 189 days. The Plant Load Factor of the Unit in the current financial year 2016-17 has been close to 100%. The unit has since its connection to the grid in October 2013 generated about 11269 Million Units (MU) of electricity. The tariff of electricity supplied by KKNPP-1 currently is Rs. 3.89 per unit.

The KKNPP reactors are state-of-the-art in terms of safety and incorporate a combination of advanced, multi-layered safety features that ensure the safety of the plant, public and environment.

Kudankulam site had been accorded in principle approval for locating six units each of 1000 MW in technical cooperation with Russian Federation. The excavation work on the second phase comprising of Units 3&4 (KKNPP 3&4 – 2X1000 MW), which have already been sanctioned by the government, is in progress.

  
BVS Sekhar  
CE (CP&CC)

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