India's NPCIL Receives State-of-the-Art Used Fuel Management Components Co-Engineered and Manufactured by Holtec Asia and Holtec International

We are pleased to announce that an array of equipment to manage spent nuclear fuel produced by the NPCIL's Kudankulam Nuclear Plant, a Russian-origin nuclear plant located in Tamil Nadu, has been successfully delivered to the plant site. The equipment includes a number of high-density racks (one module pictured below left) for storage of spent nuclear fuel in deep borated water pools. This rack embodiment is the most advanced in nuclear safety against hazards such as earthquakes and accident events. It contains the industry's most powerful neutron absorber called Metamic™ which is only produced in the United States.

High-Density Spent Fuel Storage Rack for VVER Fuel

HI-STAR 149 for Transport of VVER Spent Fuel

Another safety-significant equipment provided to NPCIL is the transport capable cask called HI-STAR 149 (pictured above right) which embodies the latest tolerance features developed at Holtec's Corporate Engineering Center and protected from unauthorized imitation by an array of patents. The HI-STAR 149 provides flexibility for both on-site storage and off-site transport.

"We are pleased to provide technically superior systems, structures, and components to the owners of the operating Russian-origin nuclear plants who have been historically reliant on single-source offerings for goods and services from Russia's state-owned OEM. This supply of used fuel management systems to NPCIL is in keeping with our track record to reverse-engineer and manufacture complex equipment for Russia-supplied nuclear plants, including prior work supporting legacy Russian reactor facilities such as the Chernobyl plant in Ukraine," says Ms. Joy Russell, EVP & Chief Communications Officer of Holtec International.

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