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OPERATION SHAKTI

Operation Shakti I

Nuclear Weapon Age :

- ❖ First true weapons of mass destruction.
- ❖ The first test of a fission atomic bomb =20,000 tons of TNT.
- ❖ The first thermonuclear (“hydrogen”) bomb test =10 million test of TNT.
- ❖ A nuclear device is no larger than traditional bombs, but it can devastate an entire city by blast, fire & radiation.
- ❖ First country to make Nuclear Weapon :USA
 - USA-Project Manhattan
 - 1945-Hiroshima & Nagasaki
 - USSR ,UK ,France
 - 1964-China conducts its first Nuclear test.
- ❖ Very first name in story of India becoming a Nuclear Power.
 - Homi Jehangir bhabha
 - Father of the Indian Nuclear Programme
 - Founder of :
 1. TATA Institute of Fundamental research I(TIFR)
 2. Atomic energy establishment, Trombay (Bhabha Atomic Research Centre)BARC
 3. TIFR and BARC were the cornerstone of Indian development of nuclear weapon which Bhabha also supervised as Director.

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Pokhran-I

Pokhran I

- ❖ 18th may 1974.
- ❖ "Smiling Buddha"
- ❖ Peaceful Nuclear explosive
- ❖ 1st confirmed nuclear weapons test by a nation outside the 5 permanent members of UNSC(United Nations Security Council)P5
- ❖ 12 kilo ton yield
- ❖ 3 scientist-
 - 1.Homi Sethna
 - 2.Raja Ramanna
 - 3.Basanti Nagchaudhuri
- ❖ Then PM, Indira Gandhi and the government declared that India did not intend to manufacture nuclear weapons although it had the means to do so-but rather make the nation self-reliant in Nuclear Technology &harness nuclear energy for peaceful purpose

World's Reaction :

- ❖ Formation of NSG
- ❖ Criticism by most western nations
- ❖ NPT jeopardized
- ❖ Ban on nuclear technology and fuel sale to India by Canada & many other nations.