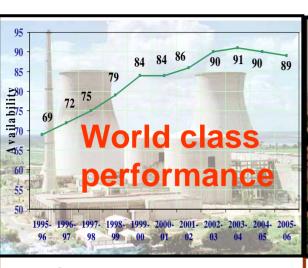
Indian Nuclear Power Programme: Near Term

	REACTOR TYPE AND CAPACITIES	CAPACITY (MWe)	CUMULATIVE CAPACITY (MWe)
>	17 reactors at 6 sites in operation Tarapur, Rawatbhata, Kalpakkam, Narora, Kakrapar and Kaiga	4,120	4,120
	3 PHWRs under construction at Kaiga 4 (220 MWe), RAPP-5&6(2x220 MWe)	660	4,780
>	2 LWRs under construction at Kudankulam(2x1000 MWe)	2,000	6,780
>	PFBR under construction at Kalpakkam (1 X 500 MWe)	500	7,280
	naipannain (12000 millo)	300	7,200
^	Projects planned till 2020 PHWRs(8x700 MWe), FBRs(4x500 MWe), AHWR(1x300 MWe)	7,900	15,180
>	TOTAL by 2020		<i>15,180∉MW</i> e

Three Stage Nuclear Power Programme



Globally Advanced Technology



Stage – I PHWRs

- 15 Operating
- 3 Under construction
- Several others planned
- Scaling to 700 MWe
- Gestation period has been reduced
- POWER POTENTIAL ≅ 10.000 MWe

LWRs

- 2 BWRs Operating2 VVERs under construction

Stage - II Fast Breeder Reactors

- 40 MWth FBTR Operating since 1985

 Technology Objectives realised
- 500 MWe PFBR-Under Construction
- POWER POTENTIAL ≅ 530,000 MWe

Stage - III Thorium Based Reactors

- 30 kWth KAMINI- Operating
- 300 MWe AHWR-Under Development

POWER POTENTIAL IS VERY LARGE

Availability of ADS can enable early introduction of Thorium on a large scale