

Table 1. Indian nuclear forces, 2020

Hans M. Kristensen and Matt Korda

Type	NATO designation	Number of launchers	Year deployed	Range ¹ (kilometers)	Warhead x yield (kilotons)	Number of warheads
Aircraft						
Vajra	Mirage 2000H	32	1985	1,850	1 x bomb	32
Shamsher	Jaguar IS	16	1981	1,600	1 x bomb	16
<i>Subtotal:</i>		48				48
Land-based ballistic missiles²						
Prithvi-II	n.a.	30	2003	350 ³	1 x 12	30
Agni-I	n.a.	20	2007 ⁴	700+	1 x 40	20
Agni-II	n.a.	12	2011 ⁵	2,000+	1 x 40	12
Agni-III	n.a.	8	2014?	3,200+	1 x 40	8
Agni-IV	n.a.	n.a.	(2020)	3,500+	1 x 40	n.a.
Agni-V	n.a.	n.a.	(2025)	5,200+	1 x 40	n.a.
<i>Subtotal:</i>		70				70 ⁶
Sea-based ballistic missiles⁷						
Dhanush	n.a.	2	2013	400	1 x 12	4
K-15	(Sagarika)	1/12	(2018)	700	1 x 12	12
K-4	n.a.	n.a.	?	3,500	1 x ?	0
<i>Subtotal:</i>		16				16
Total		134				150⁸

¹ Range listed is unrefueled combat range with drop tanks.² As the Agni force matures, it is likely that many of the Prithvi SRBMs will be used for conventional missions only.³ US NASIC has estimated the range as 250 kilometers (155 miles) but we assume the range has probably been increased to about 350 kilometers (217 miles) as stated by the Indian government.⁴ Agni-I first began induction with the 334th Missile Group in 2004 but did not become operational until 2007.⁵ Agni-II first began induction with the 335th Missile Group in 2008 but did not become operational until 2011.⁶ The missile and warhead inventory may be larger than the number of launchers, some of which can be reused to fire additional missiles. This table assumes an average of one warhead for each launcher.⁷ The Dhanush ship-launched ballistic missile is thought to be a transitional capability that will become obsolete as the SSBN force matures.⁸ In addition to the 134 warheads estimated to be assigned to fielded launchers, warheads for K-15 SLBMs on the second SSBN, additional Agni-III MRBMs, and future Agni-IV MRBMs and Agni-V IRBMs are thought to have been produced or be in production for an estimated total stockpile of 150 warheads.