The Nuclear Weapons Programs of India and Pakistan

The New Nuclear Arms Race
and the Nuclear Nonproliferation Treaty
Reaching Critical Will and Arms Control Association webinar
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Perspective

Photo by astronaut on the International Space Station, 23 September 2015
The failed international response to 1998 India/Pakistan nuclear tests

UN Security Council Resolution 1172 (6 June 1998) – unanimous:

• Calls upon India and Pakistan:
  – stop nuclear weapon development programs
  – refrain from weaponization or deployment of nuclear weapons
  – cease production of fissile material for nuclear weapons
  – cease development of ballistic missiles
Ground truths

• Weaponization – on going weapons production
  about 150 weapons each

• Fissile materials – increasing stocks of plutonium and HEU
  and expanding production capability

• Deployment – land-based, air-based and sea-based weapons

• Missiles – a diverse and increasingly sophisticated fleet
  active development of new systems
## Missile development

<table>
<thead>
<tr>
<th>Pakistan</th>
<th>India</th>
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<tbody>
<tr>
<td>Nasr – 60 km</td>
<td>Prithvi II – 250 km</td>
</tr>
<tr>
<td>Abdali – 200 km</td>
<td>Agni I – 700 km</td>
</tr>
<tr>
<td>Ghaznavi – 300 km</td>
<td>Agni II – 2000 km</td>
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<tr>
<td>Shaheen I – 750 km</td>
<td>Agni III – 3000 km</td>
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<tr>
<td>Shaheen II – 2000 km</td>
<td>Agni V – 5000 km</td>
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<tr>
<td>Shaheen III – 2750 km</td>
<td>Agni VI – 8000-10,000 km?</td>
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<tr>
<td>Ghauri – 1250 km</td>
<td>K-15  – 700 km SLBM</td>
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<tr>
<td>Ababeel – 2200 km [MIRV]</td>
<td>K-4  – 3500 km SLBM?</td>
</tr>
<tr>
<td>Babur – 350-700 km cruise missile</td>
<td>K-5  – 5000 km SLBM?</td>
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<tr>
<td>ground and sea-launched</td>
<td></td>
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<tr>
<td>Raad – 350 km cruise missile</td>
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<tr>
<td>air-launched</td>
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Asian war machines

Domestic politics and inter-linked competition/alliance structures

Pakistan

India

India – Pakistan

India – China

Pakistan – China

Pakistan – US

India – US

US – China

Zia Mian and M. V. Ramana
Asian War Machines, Critical Asian Studies, 2014