## Indonesian nuclear power reactors, under governmental consideration, 2010 - 2015

(updated 30 June 2015)

<table>
<thead>
<tr>
<th>Location</th>
<th>Region</th>
<th>Purpose</th>
<th>Size</th>
<th>Partners/Collaborators</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Tanah Abang, Desa Balong</td>
<td>Muria peninsula, Central Java</td>
<td>LWR NPP</td>
<td>4 x 1,000 MW</td>
<td>BATAN; IAEA</td>
<td>Feasibility study completed 1996; “5 years further study required” (2012).¹</td>
</tr>
<tr>
<td>2 Muntok/Teluk Inggris, West Bangka</td>
<td>Bangka-Belitung</td>
<td>LWR NPP</td>
<td>6 x 1,000 MW</td>
<td>BATAN; Bangka-Belitung provincial government</td>
<td>Feasibility study completed 2013.²</td>
</tr>
<tr>
<td>3 Tanjung Barani, South Bangka</td>
<td>Bangka-Belitung</td>
<td>LWR NPP</td>
<td>4 x 1,000 MW</td>
<td>BATAN; Bangka-Belitung provincial government</td>
<td>Feasibility study completed 2013³</td>
</tr>
<tr>
<td>4 Unspecified</td>
<td>Bangka-Belitung</td>
<td>SMR</td>
<td></td>
<td>BATAN</td>
<td>Proposed August 2013.⁴</td>
</tr>
<tr>
<td>5 Berau and East Kutai⁵</td>
<td>East Kalimantan</td>
<td>LWR NPP</td>
<td>1,000 MW</td>
<td>BATAN; East Kalimantan provincial government; Ministry of Research and Technology</td>
<td>Min. of Research and Technology support 2012⁶; provincial government support 2015⁷; feasibility study reported in preparation 2015.⁸</td>
</tr>
<tr>
<td>6 Dekan Putih, Kubu Raya, and Ketapang⁹</td>
<td>West Kalimantan</td>
<td>LWR NPP</td>
<td>30 MW</td>
<td>BATAN; West Kalimantan provincial government¹⁰</td>
<td>Feasibility study reported in preparation 2015.¹¹</td>
</tr>
<tr>
<td>7 Unspecified</td>
<td>Central Kalimantan</td>
<td></td>
<td></td>
<td>Pertamina¹²; Central Kalimantan provincial government¹³</td>
<td>Feasibility study proposed by provincial government (2015)¹⁴</td>
</tr>
<tr>
<td>8 Gorontalo</td>
<td>Gorontalo</td>
<td>FNPP¹⁵</td>
<td>90 MW</td>
<td>Gorontalo provincial government; RAO UES (Unified Energy System of Russia); Rosatom</td>
<td>Enthusiastically pursued by RAO UES/Rosatom and the provincial government in mid-2000s; subsequently</td>
</tr>
<tr>
<td>No.</td>
<td>Location</td>
<td>Province</td>
<td>Type</td>
<td>Capacity</td>
<td>Developer</td>
</tr>
<tr>
<td>-----</td>
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</tr>
<tr>
<td>9</td>
<td>Pulau Panjang, Banten</td>
<td>West Java</td>
<td>LWR NPP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Kramatwaru-Bojonegara, Banten</td>
<td>West Java</td>
<td>LWR NPP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Serpong</td>
<td>West Java</td>
<td>NCPR</td>
<td>10 MWe</td>
<td>BATAN</td>
</tr>
<tr>
<td>12</td>
<td>Serpong</td>
<td>West Java</td>
<td></td>
<td>30 MWe</td>
<td>BATAN</td>
</tr>
<tr>
<td>13</td>
<td>Subang</td>
<td>West Java</td>
<td></td>
<td>600 Mw</td>
<td>BATAN Teknologi; Rosatom PT Pertamina, PT Waskita Karya, PT Dahana(^\text{20})</td>
</tr>
<tr>
<td>14</td>
<td>Unspecified</td>
<td></td>
<td>HGTR</td>
<td>10-30 MWe</td>
<td>BATAN/ Japan Atomic Energy Agency(^\text{23})</td>
</tr>
<tr>
<td>15</td>
<td>Unspecified</td>
<td></td>
<td>Pebble bed HTGR</td>
<td></td>
<td>BATAN; RENUKO &quot;a consortium of Russian and Indonesian companies led by NUKEM Technologies&quot; (^\text{24}) (Rosatom subsidiary)</td>
</tr>
<tr>
<td>16</td>
<td>Batam(^\text{26})</td>
<td>Riau</td>
<td>LWR NPP</td>
<td>2 x 1,200 MW</td>
<td>Riau provincial government; Rosatom; BATAN(^\text{27})</td>
</tr>
</tbody>
</table>

**Abbreviations**

- LWR NPP: Light Water Reactor Nuclear Power Plant
- NCPR: Nuclear Commercial Power Reactor
- HGTR: High Temperature Gas Reactor
- HTGR: Pebble bed High Temperature Gas Reactor
- TWR: Test Reactor

\(^\text{16}\) Dormant but re-emerged in 2010.
\(^\text{17}\) Announcements 2010-2015.
\(^\text{18}\) Announced 2013.
\(^\text{19}\) Note separate 2014 Batan Tekno proposal for a Subang Babcox and Brown reactor to produce radioisotopes (capacity 3,000 curies).
\(^\text{20}\) Announced 2013.
\(^\text{21}\) Note separate 2014 Batan Tekno proposal for a Subang Babcox and Brown reactor to produce radioisotopes (capacity 3,000 curies).
\(^\text{22}\) Demonstrated plant to start operations "by 2020"; operation "by 2031".
\(^\text{23}\) Demonstrated plant to start operations "by 2020"; operation "by 2031".
\(^\text{24}\) Demonstrated plant to start operations "by 2020"; operation "by 2031".
\(^\text{25}\) Demonstrated plant to start operations "by 2020"; operation "by 2031".
\(^\text{26}\) Demonstrated plant to start operations "by 2020"; operation "by 2031".


3 Ibid.

4 Ibid.


10 Ifani, op.cit.


14 “Amerika incar nuklir di Kalimantan Tengah”, op.cit.
“Russia offers Indonesia floating nuclear power station”, *Pravda*, 19 October 2010, at [http://www.marketoracle.co.uk/Article23606.html](http://www.marketoracle.co.uk/Article23606.html).


19 “Batan may begin construction of nuclear power plant in 2015”, op.cit.


