Appendix
List of Nuclear Facilities

A-1 Indonesia

Operator (Owner)	Facility name	Capacity	Status	Address
BATAN	Multipurpose Reactor G.A. Siwabessy	30 MWth	In operation	Bld. 30 BATAN Puspiptek Serpong, Setu, Tangerang Selatan Banten 15314
PT INUKI	Radioisotope and Radiopharmaceutical production facility	...	Not in operation	Bld. 30 BATAN Puspiptek Serpong, Setu, Tangerang Selatan Banten 15314
BATAN	TRIGA 2000 Reactor	2 MWth	Not in operation	PSTNT BATAN Bandung
BATAN	Kartini Reactor	100 kWth	In operation	PSTA BATAN Yogyakarta
PT INUKI	Fuel Element Production Installation	..	In operation	Bld. 30 BATAN Puspiptek Serpong, Setu, Tangerang Selatan Banten 15314
BATAN	•4 Gamma irradiators •2 Electron Beam Machines	• ^{60}Co, 10 – 400 kCi • 1-15 Mrad and 0.06 – 4.8 Mrad	In operation	PAIR BATAN, Pasar Jumat, Jakarta

A-2 Malaysia

Operator (Owner)	Capacity (kW, tonU/y etc)	Status	Address
Synergy Sterilisation (M) Sdn Bhd	Cobalt-60 (Co-60), Activity: 8000000 Ci	In Operation	Plot 203, Kuala Ketil Industrial Estate, Kedah
Synergy Sterilisation Rawang (M) Sdn Bhd	Cobalt-60 (Co-60), Activity: 296000 TBq	In Operation	Lot 42, Rawang Integrated Industrial Park, Rawang, Selangor
Ansell NP Sdn. Bhd.	Cobalt-60 (Co-60), Activity: 4000000 Curie	In Operation	Lot 92, Kawasan Perindustrian Air Keroh, Ayer Keroh, Melaka
Grand Ten Holdings Sdn Bhd.	Cobalt-60 (Co-60), Activity: 5000000 Curie	In Operation	Lot 5754, Jalan 2, Kawasan Perusahaan Bandar Baru Salak Tinggi, Selangor
Nuclear Malaysia (LPTA/A/724)	Cobalt-60 (Co-60), Activity: 200000 Ci	In Development	Kompleks Puspati, Bangi, Kajang, Selangor

A-3 Philippines

Table 1. List of Nuclear and Nuclear-related Facilities in the Philippines, as of January 2015

Government Agency	Facility Name	Address	Capacity (in MW)	Status	URL Link
National Power Corporation (NPC)	Bataan Nuclear Power Plant (BNPP)	Napot Point, Morong, Bataan	620	Non-operational (Mothballed)	http://www.napocor.gov.ph/index.php/bataan-nuclear-power-plant
Philippine Nuclear Research Institute (PNRI)	Philippine Research Reactor (PRR-1)	PNRI Compound, Diliman, Quezon City	1	Decommissioned (shut down in 1988)	
Philippine Nuclear Research Institute (PNRI)	Radioactive Waste Management Center	PNRI Compound, Diliman, Quezon City	550 drums; 750 drums (newly created trench)	Operational	http://www.pnri.dost.gov.ph/index.php/facilities/radiation-protection-services

A-4 Republic of Korea

Commercial Operation	Plant	Reactor Type	Capacity (MWe)	Remarks
1978. 04	Kori Unit 1	PWR	587	24 units are in Operation (21,716MWe) *1. Formally, Younggwang *2. Formally, Ulchin
1983. 04	Wolsong Unit 1	PHWR	679	
1983. 07	Kori Unit 2	PWR	650	
1985. 09	Kori Unit 3	PWR	950	
1986. 04	Kori Unit 4	PWR	950	
1986. 08	Hanbit*1 Unit 1	PWR	950	
1987. 06	Hanbit Unit 2	PWR	950	
1988. 09	Hanul*2 Unit 1	PWR	950	
1989. 09	Hanul Unit 2	PWR	950	
1995. 03	Hanbit Unit 3	PWR	1,000	
1996. 01	Hanbit Unit 4	PWR	1,000	
1997. 07	Wolsong Unit 2	PHWR	700	
1998. 07	Wolsong Unit 3	PHWR	700	
1998. 08	Hanul Unit 3	PWR (OPR 1000)	1,000	
1999. 10	Wolsong Unit 4	PHWR	700	
1999. 12	Hanul Unit 4	PWR (OPR 1000)	1,000	
2002. 05	Hanbit*[1] Unit 5	PWR (OPR 1000)	1,000	
2002. 12	Hanbit Unit 6	PWR (OPR 1000)	1,000	
2004. 07	Hanul[*2] Unit 5	PWR (OPR 1000)	1,000	
2005. 04	Hanul Unit 6	PWR (OPR 1000)	1,000	
2011. 02	Shin-Kori Unit 1	PWR (OPR 1000)	1,000	
2011.12	Shin-Kori Unit 2	PWR (OPR 1000)	1,000	
2012.03	Shin-Wolsong Unit 1	PWR (OPR 1000)	1,000	
2014.12	Shin-Wolsong Unit 2	PWR (OPR1000)	1,000	
2015.09	Shin-Kori Unit 3	PWR (APR1400)	1,400	4 units are under construction (total 5,600 MWe)
2016.09	Shin-Kori Unit 4	PWR (APR1400)	1,400	
2017.04	Shin-Hanul Unit 1	PWR (APR1400)	1,400	
2018.02	Shin-Hanul Unit 2	PWR (APR1400)	1,400	
2018.12	Shin-Kori Unit 5	PWR (APR1400)	1,400	Under Licensing Review for CP
2019.12	Shin-Kori Unit 6	PWR (APR1400)	1,400	

A-5 Singapore

N.A.

A-6 Thailand

Operator (Owner)	Facility name	Capacity	Status	Address
1. Thailand institute of Nuclear Technology (TINT)	Research Reactor-1 (TRR/M1)	2 MW	In Operation	16 Vibhavadi Rangsit 42 Ally, Lane 16 Lat Yao, Bangkok
2. TINT	Radioactive Waste Managemen t Centre	1st unit: 65 square metres, height 4.5 m, three floors 2nd unit: 80 square metres, height 4.5 m, four floors 3rd unit: 300 square metres, height 5 m, three floors 4th unit 1,050 square metres, height 5m, three floors	In Operation	9/9 Moo 7, Sai Moon, Ongkharak, Nakorn Nayok
3. TINT	Gems Irradiation		In Operation	9/9 Moo 7, Sai Moon, Ongkharak, Nakorn Nayok
4. TINT	Radioisotope Centre		In Operation	9/9 Moo 7, Sai Moon, Ongkharak, Nakorn Nayok
5. TINT	Irradiation Centre		In Operation	9/9 Moo 7, Sai Moon, Ongkharak, Nakorn Nayok
6. TINT	Gamma Irradiation Facility		In Operation	37 Moo 3 Technnothane, Klong 5, Klong Luang, Pathumthani

A-7 Viet Nam

(Orientation plan)

Nuclear power project	Commissioning time (year)
Ninh Thuan 1, # 1, 1000 MW	2020++
Ninh Thuan 2, # 1, 1000 MW	2020++
Ninh Thuan 1, # 2, 1000 MW	2021++
Ninh Thuan 2, # 2, 1000 MW	2021++

A-8 Japan

Commercial Operation	Plant	Reactor Type	Capacity (MWe)	Remarks
1989	Tomari-1	PWR	579	
1991	Tomari-2	PWR	579	
2009	Tomari-3	PWR	912	
1976	Mihama-3	PWR	826	
1974	Takahama-1	PWR	826	
1975	Takahama-2	PWR	826	
1985	Takahama-3	PWR	870	
1985	Takahama-4	PWR	870	
1979	Ohi-1	PWR	1175	
1979	Ohi-2	PWR	1175	
1991	Ohi-3	PWR	1180	
1993	Ohi-4	PWR	1180	
1977	Ikata-1	PWR	566	
1982	Ikata-2	PWR	566	
1994	Ikata-3	PWR	890	
1984	Sendai-1	PWR	890	
1985	Sendai-2	PWR	890	
1981	Genkai-2	PWR	559	
1994	Genkai-3	PWR	1180	
1997	Genkai-4	PWR	1180	
1987	Tsuruga-2	PWR	1160	43 units are in Operation (40,480MWe)
1984	Onagawa-1	BWR	524	
1995	Onagawa-2	BWR	825	
2002	Onagawa-3	BWR	825	
2005	Higashidori	BWR	1100	
1982	FukushimaDaini-1	BWR	1100	
1984	FukushimaDaini-2	BWR	1100	
1985	FukushimaDaini-3	BWR	1100	
1987	FukushimaDaini-4	BWR	1100	
1985	KashiwazakiKariwa-1	BWR	1100	
1990	KashiwazakiKariwa-2	BWR	1100	
1993	KashiwazakiKariwa-3	BWR	1100	
1994	KashiwazakiKariwa-4	BWR	1100	
1990	KashiwazakiKariwa-5	BWR	1100	
1996	KashiwazakiKariwa-6	ABWR	1356	
1997	KashiwazakiKariwa-7	ABWR	1356	
1993	Shika-1	BWR	540	
2006	Shika-2	ABWR	1206	
1987	Hamaoka-3	BWR	1100	
1993	Hamaoka-4	BWR	1137	
2005	Hamaoka-5	ABWR	1267	
1989	Shimane-2	BWR	820	
1978	TokaiDaini	BWR	1100	
-	Monju	FBR	280	4 units are under construction (total 4,421 MWe)
-	Ohma	ABWR	1383	
-	Shimane-3	ABWR	1373	
-	Tokyo-Higashidori	ABWR	1385	