

Project Pipeline under the PPP Strategic Plan 2015 – 2019

as of 24 Sep 2015

Project	Responsible agency	Responsible ministry	Estimated total investment (million Baht)	Estimated investment from private sector (million Baht)	Current status
Group 1: Projects which require private sector investment (Opt-out)					
1.1 Development of urban rail transit system					
1) MRT Green Line (Bearing - Samut Prakan)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	27,834.97	9,129.00	Project preparation
2) MRT Green Line (Mo Chit - Saphan Mai - Khu Khot)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	58,387.30	20,055.87	Project preparation
3) MRT Orange Line (east side: Thailand Cultural Station - Min Buri)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	110,325.76	14,613.52	Preparing a project appraisal report
4) MRT Orange Line (west side: Taling Chan - Thailand Cultural Station)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	85,316.04	17,425.96	Preparing a project appraisal report
5) MRT Purple Line (Tao Pun – Karnjanapisek Ring Road)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	131,171.97	26,418.00	Preparing a project appraisal report
6) MRT Pink Line (Khae Rai – Min Buri)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	56,725.00	49,844.00	FS under SEPO's appraisal
7) MRT Yellow Line (Lat Phrao – Samrong)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	54,768.45	48,631.00	FS under SEPO's appraisal
8) MRT Blue Line (Hua Lumphong – Bang Khae and Bang Sue – Tha Phra)	Mass Rapid Transit Authority of Thailand	Ministry of Transport	82,493.61	22,141.00	Searching for suitable private investor
1.2 Development of toll roads in major metropolitan urban areas					
1) Kathu – Patong Expressway Project, Phuket province	Expressway Authority of Thailand	Ministry of Transport	12,805.00	10,217.00	Project preparation
1.3 Development of port logistics					
1) Laem Chabang Port – Phase 3	Port Authority of Thailand	Ministry of Transport	88,131.70	53,173.57	Project preparation
2) Khlong Yai Port, Trat province	Marine Department	Ministry of Transport	1,295.00	N/A	Project preparation

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3) 2 nd Songkhla Deep-sea Port	Marine Department	Ministry of Transport	16,388.14	2,448.14	Project preparation
4) Chumphon Seaport	Marine Department	Ministry of Transport	4,003.00	789.00	Project preparation
5) Pak Bara Seaport, Satun province	Marine Department	Ministry of Transport	20,322.90	2,692.90	Project preparation
6) Songkhla Seaport Renovation	The Treasury Department	Ministry of Finance	1,854.00	1,854.00	Searching for suitable private investor
7) Phuket Seaport Renovation	The Treasury Department	Ministry of Finance	160.87	160.87	Searching for suitable private investor
1.4 Development of high-speed rail					
1) Bangkok – Rayong High-speed Rail	State Railway of Thailand	Ministry of Transport	152,448.00	N/A	Project preparation
2) Bangkok – Hua Hin High-speed Rail	Office of Transport and Traffic Policy and Planning	Ministry of Transport	81,136.20	N/A	Project preparation
1.5 Development of telecommunication network					
1) Mobile Phone Service 4G-LTE	CAT Telecom Public Company Limited	MICT	47,559.00	24,255.00	Project preparation
2) Utilization of transferred assets from concession agreements	CAT Telecom Public Company Limited	MICT	N/A	N/A	Project preparation
1.6 Development of high-speed internet					
1) Expansion of high-speed internet service area	CAT Telecom Public Company Limited	MICT	20,000.00	10,000.00	Project preparation
Group 2: Projects which private sector should be encouraged to invest in (Opt-in)					
2.1 Development of toll roads in major metropolitan urban areas					
1) Intercity motorway (Nakhonpathom – Cha-am)	Department of Highways	Ministry of Transport	80,060.00	76,487.00	Project preparation
2) Intercity motorway [Western Outer Bangkok Ring Road – Ratchaburi (Pak tho) (on Highway No.35)]	Department of Highways	Ministry of Transport	89,292.00	87,432.00	Project preparation

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3) Intercity motorway (Hat Yai – Thailand-Malaysia border)	Department of Highways	Ministry of Transport	30,058.00	26,459.00	Project preparation
4) Intercity motorway (Extension Part of Uttraphimuk Elevated Tollway, Rangsit -Bang Pa-In)	Department of Highways	Ministry of Transport	24,010.00	24,000.00	Project preparation
5) Intercity motorway (Bang Pa-In – Nakhon Ratchasima)	Department of Highways	Ministry of Transport	84,600	N/A	Preparing a project appraisal report
6) Intercity motorway (Bangyai – Kanchanaburi)	Department of Highways	Ministry of Transport	55,620	N/A	Preparing a project appraisal report
2.2 Development of packaging stations					
1) Lad Krabang Inland Container Depot (ICD)	State Railway of Thailand	Ministry of Transport	4,417.22	1,587.22	Searching for suitable private investor
2) Chiang Kong Intermodal Facility, Chiang Rai province	Department of Land Transport	Ministry of Transport	3,691.42	866.35	Project preparation
3) Nakhon Phanom Cross-border Trade Facility	Department of Land Transport	Ministry of Transport	1,532.60	399.25	Project preparation
4) Provincial cargo freight station development for trucking services	Department of Land Transport	Ministry of Transport	12,881.65	N/A	Project preparation
2.3 Development of common ticketing system					
1) Common ticketing system management and maintenance	Office of Transport and Traffic Policy and Planning	Ministry of Transport	937.95	600.00	Preparing a project appraisal report
2.4 Development and management of airport ground					
-None-					
2.5 Development of water quality management					
1) Klong Toei Wastewater Management	Bangkok Metropolitan Administration	Ministry of Interior	14,687.00	14,687.00	Project preparation
2) Thonburi Wastewater Management	Bangkok Metropolitan Administration	Ministry of Interior	10,900.00	10,900.00	Project preparation

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3) Nong Bon Swamp Wastewater Management	Bangkok Metropolitan Administration	Ministry of Interior	7,939.00	7,939.00	Project preparation
4) Private sector's involvement in renting/managing water pipeline system in the Eastern region	The Treasury Department	Ministry of Finance	3,182.15	3,182.15	Searching for suitable private investor
5) Construction of wastewater management in Samut Sakhon City Municipality, Samut Sakhon province	Wastewater Management Authority	Ministry of Natural Resources and Environment	6,525.80	N/A	Project preparation
6) Construction of wastewater management in Krathumbaen Municipality, Samut Sakhon province	Wastewater Management Authority	Ministry of Natural Resources and Environment	3,203.82	N/A	Project preparation
7) Construction of wastewater management in Bang Bua Thong Municipality, Nonthaburi province	Wastewater Management Authority	Ministry of Natural Resources and Environment	4,646.06	N/A	Project preparation
8) Construction of wastewater management in Rangsit City Municipality, Pathumthani province	Wastewater Management Authority	Ministry of Natural Resources and Environment	443.12	N/A	Project preparation
2.6 Development of irrigation system					
-none-					
2.7 Development of solid waste management system					
1) Contracting service for the management of solid waste conversion to energy (at least 800 tonnes/day) at On Nut Solid Waste Disposal Center	Bangkok Metropolitan Administration	Ministry of Interior	3,504.00	1,500.00	Project preparation
2) Private investment in waste management project of Nonthaburi Provincial Administrative Organization	Nonthaburi Provincial Administrative Organization	Ministry of Interior	4,142.00	4,142.00	FS under NESDB's appraisal
3) Waste management project of Nakhon Ratchasima City Municipality (Phase 2)	Nakhon Ratchasima City Municipality	Ministry of Interior	2,250.00	2,250.00	FS under SEPO's appraisal
2.8 Development of state education institutions					
1) Education Park (Green Nimmarn), Chiang Mai University	Chiang Mai University	Ministry of Education	690.00	690.00	Project preparation

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2) King Naresuan The Great Park, Phitsanulok province	Naresuan University	Ministry of Education	3,000.00	2,100.00	Project preparation
3) Online Education Center	Naresuan University	Ministry of Education	100.00	40.00	Project preparation
4) Construction of Songkhla Lake Aquaculture Center, Phase 2	Office of the Vocational Education Commission	Ministry of Education	573.00	269.00	Project preparation
5) International Vocational Training Center, Phase 2 at Vocational Education Institute Central 1, Pathumthani Vocational Education College	Office of the Vocational Education Commission	Ministry of Education	2,169.00	2,169.00	Project preparation
6) Modern Town Chiang Rai, Rajabhat University	Chiang Rai Rajabhat University	Ministry of Education	8,407.85	8,407.85	Project preparation
7) Garden of Innovation for science and technology graduate study	Rajamangala University of Technology Lanna	Ministry of Education	12,000.00	11,850.00	Project preparation
2.9 Development of public health infrastructure					
1) Construction of special clinic and car park building	Office of the Permanent Secretary of the Ministry of Public Health	Ministry of Public Health	1,000.00	1,000.00	Project preparation
2) Pharmaceutical and medical bio-product development for commercial purpose, including domestic production of HIV and other vaccines	Thailand Center of Excellence for Life Sciences	Ministry of Science and Technology	1,300.00	650.00	Project preparation
3) Center for health and elderly care in the Lower North, Naresuan University Hospital, Faculty of Medicine, Naresuan University, Phitsanulok province	Naresuan University	Ministry of Education	3,900.00	3,460.00	Preparing a project appraisal report
2.10 Development of pharmaceutical medicine and equipment					
1) Hi-tech tools and equipment for diagnostic radiology	Office of the Permanent Secretary of the Ministry of Public Health	Ministry of Public Health	75.00	75.00	Project preparation

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2) Tools and equipment for diagnostic laboratory which includes information system	Office of the Permanent Secretary of the Ministry of Public Health	Ministry of Public Health	100.00	100.00	Project preparation
3) Tools and equipment for hemodialysis center	Office of the Permanent Secretary of the Ministry of Public Health	Ministry of Public Health	20.00	20.00	Project preparation
2.11 Development of infrastructure for science, technology and innovation					
1) Geo-Spatial Industrial Park	Geo-Informatics and Space Technology Development Agency (GISTDA)	Ministry of Science and Technology	1,750.00	1,500.00	Project preparation
2) Satellite Constellation	GISTDA	Ministry of Science and Technology	20,000.00	18,000.00	Project preparation
3) Expansion of Medicopolis in provincial areas	Thailand Center of Excellence for Life Sciences	Ministry of Science and Technology	500.00	150.00	Project preparation
4) Medicopolis Development Phase 3	Thailand Center of Excellence for Life Sciences	Ministry of Science and Technology	16,000.00	9,600.00	Project preparation
5) Consultant and education service center for solving environmental pollution problems in mining industrial estates, petroleum landfill sites, coal power plants, and communities in ASEAN	Naresuan University	Ministry of Education	270.00	100.00	Project preparation
6) Scientific test center for enhancing research skills and competitiveness of the private sector	Naresuan University	Ministry of Education	300.00	180.00	Project preparation
2.12 Digital Economy development					
1) Public Wi-Fi	TOT Public Company Limited	MICT	N/A	N/A	Project preparation
2) International Gateway	TOT Public Company Limited	MICT	N/A	N/A	Project preparation

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2.13 Development of convention centers					
1) Management of Queen Sirikit National Convention Center	The Treasury Department	Ministry of Finance	2,732.72	2,732.72	Project preparation
2.14 Development of shelters for the disadvantaged, the poor and the elderly					
1) Transit-Oriented Development (TOD) for housing	National Housing Authority	Ministry of Social Development and Human Security	N/A	N/A	Project preparation
Total: 66 projects			1,576,529.27	639,304.37	