

JTTRI International Seminar on Railway



Department of Transportation

12 February 2020
New World Makati Hotel

Php 1,277 billion (JPY 2,773 billion)

Annual Direct Economic Cost
of Congestion in GCR as of 2017

Php 18,071 billion
(JPY 39,254 billion)
PHL GDP (2019)

1,022,009
Public School Classrooms

Php 211.43 billion
(JPY 459.28 billion)
PHL FDI (as of October 2019)

2,150
Provincial Hospitals

Php 16.705 billion
(JPY 36.29 billion)
PSE Market Cap (Dec 2019)

4.3 million
Irrigated Land (has.)



BUILD
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Hard BBB

Infrastructure Building
Improved mass transit and
new road networks



Soft BBB

Institutional Development and
Capacity Building
Improved organization and
workforce competencies

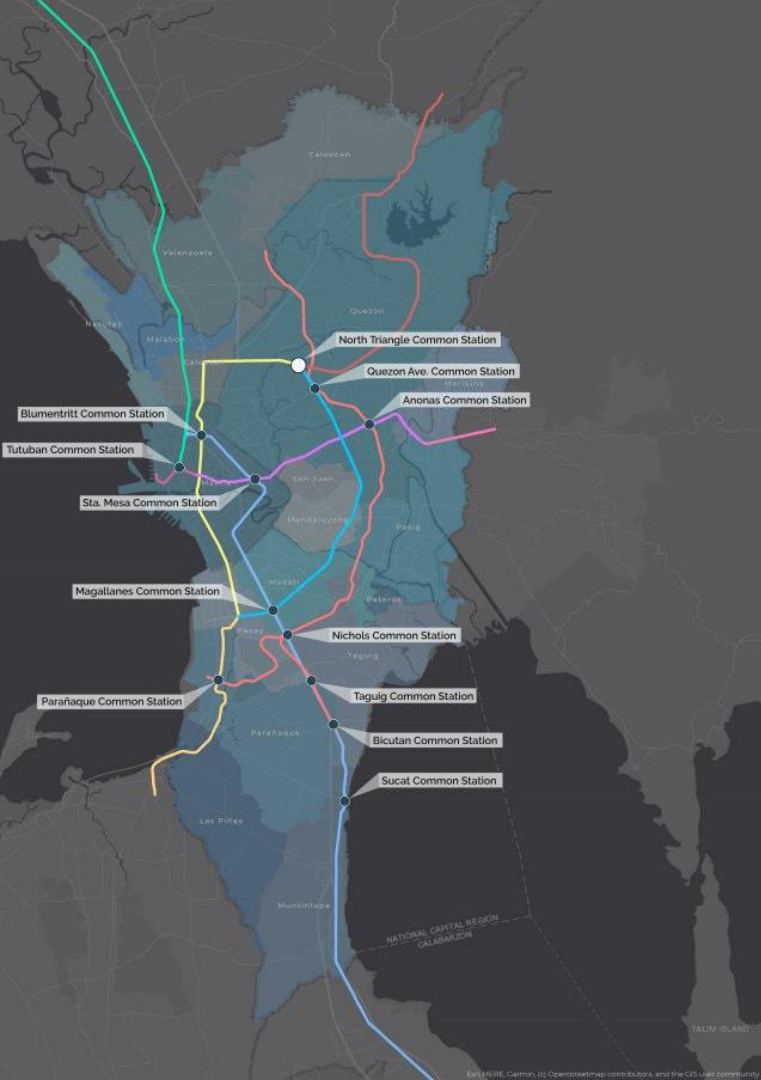




METRO MANILA RAIL NETWORK

DEPARTMENT OF TRANSPORTATION

- LRT 1
- LRT 1 Ext.
- LRT 2
- LRT 2 East Ext.
- LRT 2 West Ext.
- MRT 3
- MRT 7
- Subway (MMSP/ Line 1)
- PNR Clark 1 (NSCR/ North 1)
- PNR Calamba (NSCR Ext./ South Commuter)
- Unified Grand Central Station



	Route Length (km.)		No. of Stations		No. of Trains (LRVs/bagons/coaches)		Ridership (daily '000)		Status
	2016	2022 ¹	2016	2022 ¹	2016	2022 ¹	2016	2022 ¹	
LRT-1 w/ Cavite Ext.	18	30	19	28 ³	77	180	400	800	Start of construction in May 2019; Partial Operations (PO) in 2021
LRT-2 w/ East & West Ext.	14	21	10	15	40	112	180	300	East Ext. operational in 2020
MRT-3	17	17	13	14 ³	72	120	370	1,000	Start of rehabilitation works in May 2019; completion in July 2021
PNR At-Grade	28	60 ²	17	29 ²	32	69	70	120	New Indonesian trains arriving between August 2019 to June 2020
MRT-7	-	23	-	14	-	108	-	300	Partial Operations in 2021 (18-km.)
MM Subway	-	36	-	16 ⁴	-	240	-	165	Start of works for PO section in Feb. 2019 (7-km.)
Subic-Clark Rail	-	70	-	N/A	-	N/A	-	N/A	Operational by 2022
PNR Clark, Calamba	-	148	-	37	-	464	-	356	Start of construction for Phase 1 in Mar.2019; PO in 2021
SUB-TOTAL (GCR)	77	405	59	153	221	1,293	1,020	3,041	
PNR Bicol	-	639	-	8*	-	80*	-	100*	Ongoing design works.
Mindanao Rail 1	-	100	-	8	-	52	-	120	Start procurement in 1Q2020
TOTAL	77	➔ 1,144	59	➔ 169	221	➔ 1,425	1,020	➔ 3,261	

¹Partial operations and ongoing construction; ²Currently operational (+Gov. Pascual-FTI +Alabang-Calamba); ³Inclusive of North Ave. Common Station; ⁴Inclusive of Bicutan Common Station

How we are financing

Funding Pipeline

Funding Pipeline

(Billion)	NEDA Board Approval	Total Project Cost	ODA Financing (Signing Date)	Loan Amount (Drawn/ Committed)	Remarks
LRT-1 Cavite Ext.	Mar. 22, 2012*	64.9	JICA L/A PH-P255 Mar. 27, 2013	23.1	PPP: 39.6B; ODA-GOP: 25.4B
LRT-2 East Ext.	Sep. 4, 2012	9.7			ODA: 3.1B; GOP: 6.4
PNR Clark 1	Feb. 16, 2015	149.1	JICA L/A PH-P262 Nov. 27, 2015	88.9	Supplemental JICA L/A to be requested
Subway	Sep. 12, 2017	355.6	JICA L/A PH-P267(1) Mar. 16, 2018	47.3 / 271.5	Tranche 2 ongoing processing
MRT-3 Rehab.	Aug. 22, 2018	21.9	JICA L/A PH-P269 Nov. 8, 2018	17.6	
PNR Clark 2	Nov. 15, 2018	628.4	JICA L/A PH-P270 Jan. 21, 2019	79.9	Electromechanical Systems Rolling Stock
PNR Calamba			ADB L/A PHI-3796(1) Jul. 11, 2019	66.5 / 286.5	Civil Works MFF1: 140.6, MFF2: 145.9B
PNR South Long Haul - PMC	Dec. 7, 2017	14.38	CHN EXIMBANK PBC 2019 No. 9 Aug. 29, 2019	14.38	For Project Management Consultancy
		1,244		337.7/ 781.9	J: 256.8/481.0 C: 14.38/14.38 A: 66.5/286.5

L/A: Loan Agreement; *Original ICC-CC Approval: Aug. 25, 2000

Who will be building

Contracts Pipeline

Contracts Pipeline (1/2)

For awarded contracts: “[Contractor] ([Date of Contract])”; For to-be-awarded contracts: “[Publication Date] to [Contract Date]”

(Billion)	Consultancy	Civil Works	EMS	Rolling Stock
LRT-1 Cavite Ext.	1.9 CMX (12/29/14)	Depots: 4.5 Shimizu (02/28/19)	PPP	120 LRVs: 14.33 Mitsubishi-CAF (12/21/17)
LRT-2 East Ext.		5B GOP	3.1 Marubeni-DMCI (02/06/19)	TBD
PNR Clark 1	6.4 NSTren (12/01/17)	CP01: 54.8 Taisei-DMCI (05/20/19) CP02: 26.5 Sumitomo-Mitsui (01/23/19)	CP04: 28.5 TBD (02/20 to 10/20)	CP03 (104 Cars): 12.1 JTrec-Sumitomo (07/16/19)
Subway	11.7 OCGlobal JV (11/21/18)	CP101: 51.1 Shimizu Consortium (02/20/19) CP102: 28.4 06/20-04/21 CP103: 56.4 06/20-04/21 CP104: 30.6 03/20 to 01/21 CP105: 14.5 06/20-04/21 CP108: 36.7 06/20-04/21 CP109: 49.1 06/20-04/21 CP110: 21.8 06/20-04/21	CP106: 68.5 12/19 to 06/20	CP107 (240 Cars): 35.0 12/19 to 06/20

Contracts Pipeline (2/2)

For awarded contracts: “[Contractor] ([Date of Contract])”; For to-be-awarded contracts: “[Publication Date] to [Contract Date]”

(Billion)	Consultancy	Civil Works		EMS	Rolling Stock
MRT-3 Rehab	0.6 OCG-MRT3 (12/18/19)	NA		RMA: 17.0 Sumitomo-MHI (12/28/19)	NA
PNR Clark 2	24.1 GCR (08/19)	CPN01: 40.0 (01/19 to 12/19)	CPN04: 32.8 (05/19 to 01/20)	CPNS01: 139.6 (11/19 to 03/20)	CPNS02 (304 Cars): 49.0 (11/19 to 03/20)
PNR Calamba		CPN02: 33.0 (01/19 to 12/19)	CPN05: 18.1 (05/19 to 01/20)		CPN06 (56 Cars): 13.4 (11/19 to 03/20)
		CPN03: 29.4 (01/19 to 12/19)			
		CPS01: 8.7 (05/19 to 01/20)	CPS05: 29.6 (11/19 to 04/20)		
		CPS02: 27.5 (11/19 to 04/20)	CPS06: 28.9 (11/19 to 04/20)		
		CPS03: 33.9 (04/20 to 09/20)	CPS07: 12.5 (11/19 to 04/20)		
		CPS04: 22.9 (11/19 to 04/20)			
Number of CPs	5	21		5	5 (824 LRVs/Cars)

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