

Railways Sector Market Engagement

Projects and Contracts Pipeline, Financing, How to Participate

MAP CEO Academy Webinar 31 May 2021



BUNILD BUNILD

The Duterte Administration's Infrastructure Plan



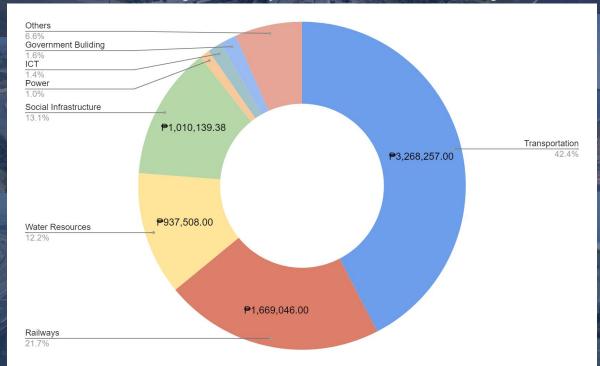
DEPARTMENT OF TRANSPORTATION



Php 7.74 Trillion

(USD 160.17 billion)

Infrastructure Programs and Projects under the Build Build Build Program



Source: Sector Breakdown of 2017-2022 Infrastructure Investment Targets, Philippine Development Plan 2017-2022



What are we building

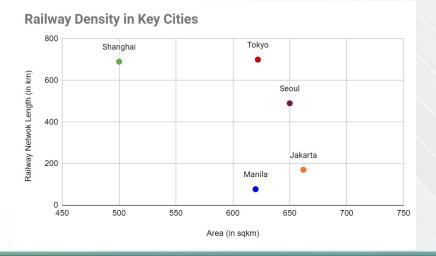
Rail Network, Assets, and Projects Pipeline

Railway Density of Metro Manila vs Key Cities

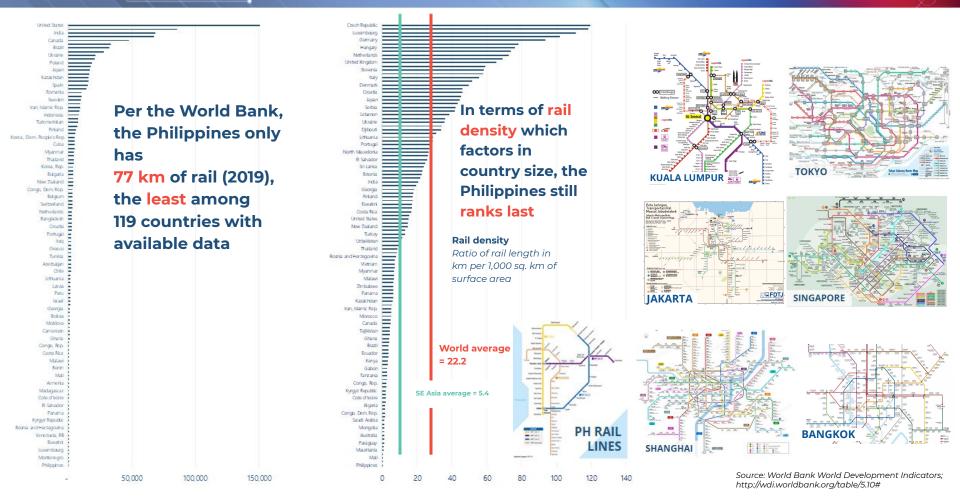


	Manila	Jakarta	Seoul	Tokyo	Shanghai
Area	620 sqkm	662 sqkm	650 sqkm	622 sqkm	500 sqkm
Km Rail	77 km	170.2 km	490 km	700 km	690 km
Rail Density	0.12 km/sqkm	0.25 km/sqkm	0.75 km/sqkm	1.12 km/sqkm	1.38 km/sqkm

Source: Manila Urban Transport Scoping Study by AECOM

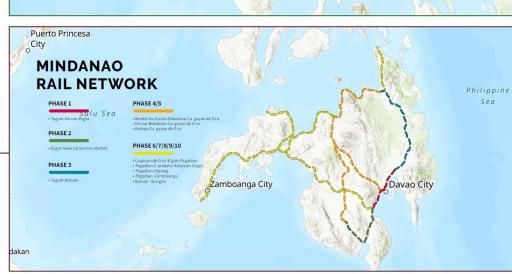


Railway Density of PH vs Other Countries .











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 4

MRT 7

Subway (MMSP/ Line 9)

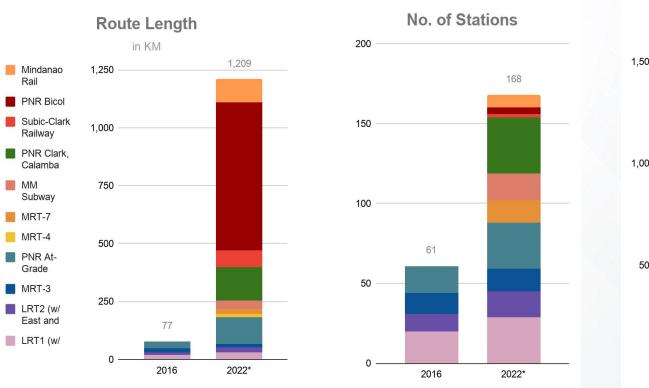
PNR Clark 1 (NSCR/ North 1)

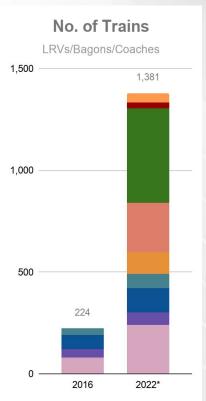
PNR Calamba (NSCR Ext./ South Commuter)

12 Common Stations



What are we building; Assets Build-up





*Investment-approved; financed; with contracts awarded; ongoing construction, manufacturing, and/or installation; partially operational; and fully operational.



How are we financing

ODA-PPP-LFP Funding Mix and Programmed CapEx Spend

How are we financing



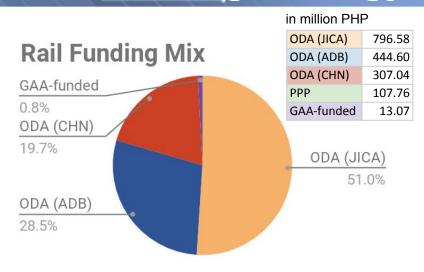
*excluding PPP without signed Concession Agreements (CAs)

Total Project Cost of Investment-Approved Rail Projects (in B PHP)

	()	,		
Financing Source	2016	% of total (2016)	2020	% of total (2020)
ODA - JICA	140.17	26.52%	796.58	47.73%
ODA - ADB	0.00	0.00%	444.60	26.64%
ODA - CHN	0.00	0.00%	307.04	18.40%
PPP (without signed CA)	267.50	50.61%	0.00	0.00%
PPP (with signed CA)	107.76	20.39%	107.76	6.46%
GAA	13.07	2.47%	13.07	0.78%
SUBTOTAL (excl. PPP without signed CAs)	261.00	100.00%	1,669.05	100.00%
TOTAL	528.50	100.0070	.,005.05	100.0070

^{**}including total PPP with and without signed CAs

ODA Financing Strategy



Economy	D	ebt to-GNI)	Total External Debt (Debt-to-GDP)		Debt Total Debt to G	
	2018	2019	2018	2019	2018	2019
Indonesia	37.49%	37.03%	36.42%	35.93%	30.07%	30.49%
Philippines	19.98%	20.11%	22.8%	22.2%	39.9%	39.6%
Thailand	35.43%	34.07%	35.54%	34.21%	41.96%	41.09%
Vietnam	46.9%	48.9%	46.5%	45.24%	53.85%	54.88%

Sources: World Bank; IMF, ASEAN Integration Report 2019

Need for public mass transport



Rail = most efficient form of land-based transport

Insufficient internallygenerated funds

PHL 2021 Gov't Budget: PhP 4.506 trillion (USD 93.06 billion)



Limited fiscal space, especially due to COVID-19

Access to cheap financing

Up to 0.10% p.a.; 40 yrs. to pay; 12 yrs. grace period



Lower middle income country



Rail is considered risky = higher cost of equity and debt if pure PPP

ODA Partners have access to Rail Technology









ADB Financing Support for PH Rail

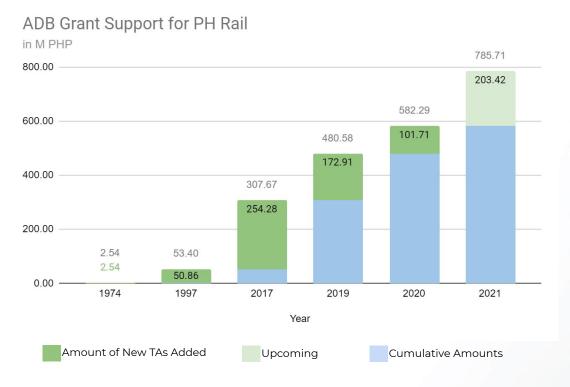
ADB Loan No.	Year Signed	Project	Amount (in M USD)	Amount (in B PHP)
Loan No. 257-P HI	1976	Philippine National Railways	24.2	1.21
Loan No. 3796- PHI	2019	Malolos-Clark Railway Project (MCRP)	2,750 (1,300 M signed for Tranche 1)	137.5 (65 B signed for Tranche 1)
	To be signed	South-Comm uter Railway Project (SCRP)	4,300 (estimated)	215 (estimated)

Country	Largest ADB Railway Projects (2000-2019)	Loan Amount (in M USD)	Loan Amount (in B PHP)
Bangladesh	SASEC Chittagong-Cox's Bazar Railway Project, Phase 1 (Facility)	1,500.00	75
PRC	Railway Energy Efficiency and Safety Enhancement Investment Program (Facility)	1,000.00	50
India	Railways Track Electrification Project	750	37.5
Philippines	Malolos-Clark Railway Project (Facility)	2,750.00	137.5
Turkmenistan	HCMC Metro Line 2 (Facility)	540.00	27

*MCRP is **ADB's single largest infrastructure financing ever,** and MCRP-SCRP will be even larger

^{*}ADB's Financing Commitment to PH Rail prior to the 2019 loan for MCRP was from **45 years ago.**

ADB Grant Support for PH Rail

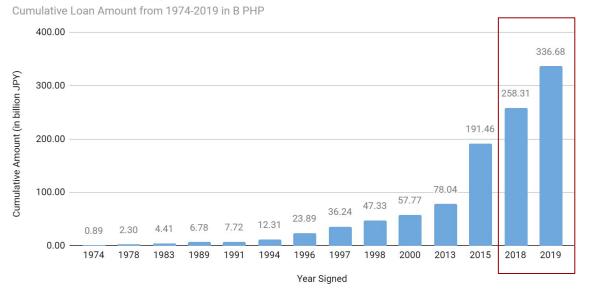


*ADB's grant support to PH Rail prior to TA9936-PHI (2017) was from 10 and 43 years ago.

TA	Year	Project	Amount in M PHP
TA0115-PHI	1974	Philippine National Railways	2.54
TA2968-PHI	1997	Transport Infrastructure and Capacity Development	50.86
TA9336-PHI	2017	Strengthening Infrastructure Capacity and Innovation for Inclusive Growth: Technical Assistance Report	254.28
TA9570-PHI	2019	Railway Project Implementation Support and Institutional Strengthening - International Environment Safeguards Specialist	172.91
TA9913-PHI	2020	Strengthening the Transition of Vulnerable Communities Affected by the Malolos-Clark Railway Project	101.71
Proposed for	0.007	South Commuter Railway Project Implementation Support	101.71
approval together with SC loan	2021- 2022	Support for Poverty Reduction in Communities affected by the South Commuter Railway Project	101.71
TOTAL			785.71

JICA Financing Support for PH Rail

JICA's Financing Support for Philippine Railways Sector

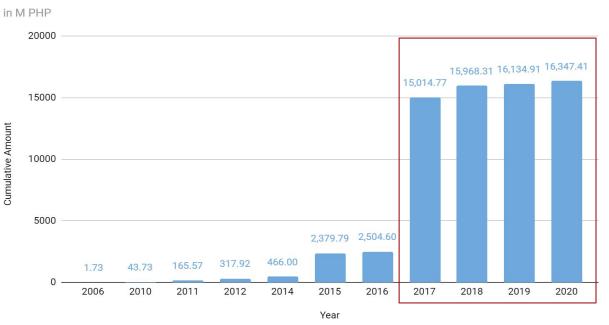


*JICA's annual financing support for PH Rail **tripled from an average of PHP 15.9 B** from 1974-2015 to PHP 48.3 B from 2018-2019 (203% increase).

Project Name	Year Signed	Amount (in B PHP)
Philippine National Railways Commuter Service	1974	0.89
Philippine National Railways Commuter Service	1978	1.41
Railcar Maintenance Depot Construction Project	1983	2.11
Revitalization of Main Line South Project	1989	2.37
Improvement and Modernization of Southern Line Project	1991	0.94
Metro Manila Line 1 Capacity Expansion Project	1994	4.59
Metro Manila Strategic Mass Rail Transit Dev. Project	1996	11.58
Metro Manila Strategic Mass Rail Transit Dev. Project	1997	12.35
Metro Manila Strategic Mass Rail Transit Dev. Project	1998	11.09
LRT Line 1 Capacity Expansion Project (Phase II)	2000	10.43
North - South Commuter Railway Project	2015	20.27
Metro Manila Subway Project (Phase 1)(I)	2018	113.42
Metro Rail Transit Line 3 Rehabilitation Project	2018	66.85
North-South Commuter Railway Extension Project (I)	2019	78.37

GOJ/JICA Grant Support for PH Rail

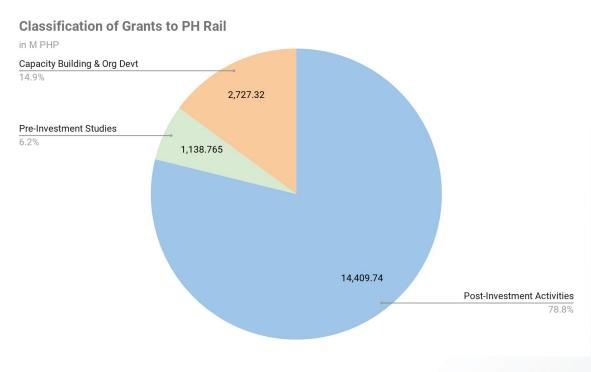




Cumulative Amount (in M PHP)
1.73
43.73
165.57
317.92
466.00
2,379.79
2,504.60
15,014.77
15,968.31
16,134.91
16,347.41

*GOJ and JICA's grant assistance for PH Rail **significantly increased starting in 2017 (with PHP 12.5 B worth of projects)** when they supported rail projects with planning, DED, and technical cooperation grants, including the train simulators for the Philippine Railway Institute.

Classification of Grants to PH Rail



Classification	Projects	Amount in M PHP
Pre-Investment Studies	Feasibility/Preparatory Surveys, Data Collection Surveys, Transport Roadmap/Master Plan Studies	1,138.77
Post-Investment Activities	Detailed Design Studies, Technical Assistance, Technical Cooperation Projects, Railway Experts Support	14,409.74
Capacity Building & Organizational Development	Establishment of Training Institutions, Implementation Support, Knowledge and Skills Training Programs	2,727.32*
TOTAL		18.725.83

^{*}including total amount of the 2018 capacity building grant from Australia DFAT's Public Financial Management Program for Institutions and Infrastructure (PFMI) which served different implementing agencies (IAs)

Funding Source per Project

Project	Total (in PhP)	Financing
LRT1 Cavite Ext.	25,350,120,000.00	ODA - JICA
LRTT Cavite Lxt.	39,565,310,000.00	PPP
LRT2 East Ext.	9,510,660,000.00	ODA - JICA
LRT2 West Ext.	10,118,460,000.00	GAA
MRT3 Rehab	21,963,955,665.02	ODA - JICA
MRT4	49,840,620,000.00	ODA - ADB
MRT7	68,191,378,043.24	PPP
MM Subway	356,964,170,000.00	ODA - JICA
Common Station	2,954,250,000.00	GAA
NSCR (JICA)	382,792,580,000.00	ODA - JICA
NSCR (ADB)	394,758,490,000.00	ODA - ADB
Subic-Clark Railway	50,030,918,426.78	ODA - CHN
PNR Bicol	175,318,780,955.07	ODA - CHN
Mindanao Rail	81,686,305,000.00	ODA - CHN
TOTAL	1,669,045,998,090.	11

Programmed CapEx Spend (2021-2025)

In M PHP

Project	2021	2022	2023	2024	2025
LRT-1 Cavite Extension	2,660.78	5,712.54	32.14	18.41	-
LRT-2 East Extension	1,240.44	22.36	7.34	-	-
LRT-2 West Extension	1,081.52	-	-	-	-
MRT-3 Rehabilitation	3,141.39	1,634.40	353.74	-	-
MRT-4	-	12,157.05	9,968.12	13,857.72	9,968.12
Metro Manila Subway	28,948.02	43,742.43	44,342.17	40,357.85	15,753.93
Common Station	1,357.60	729.65	-	-	-
North-South Commuter Railway	38,628.97	128,796.64	101,200.94	31,134.83	19,757.41
Subic-Clark Railway	6,804.21	11,340.34	27,216.82		
PNR South Long Haul	2,981.99	31,367.43	16,131.37	11,080.23	
Mindanao Railway	3,911.89	42,774.97	23,496.03	7,658.52	
Tatal	90,756.80	278,277.82	222,748.66	104,107.56	45,479.46
Total	1,887 M USD	5,785 M USD	4,630 M USD	2,164 M USD	945 M USD

^{*}Does not include amortization payments for MRT-7 from substantial completion onwards

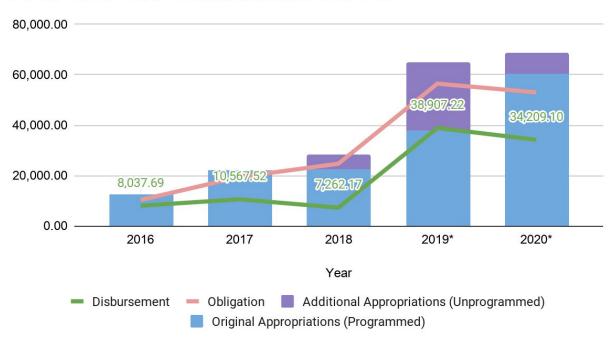


Authority to Spend

Appropriations and Disbursements

Appropriation and Disbursement Trend

2016-2020 DOTr Disbursement in M PHP



Year	Original Appropriations (Programmed)	Additional Appropriations (Unprogrammed)	Obligation	Disbursement
2016	12,458.58	0.00	10,331.64	8,037.69
2017	22,102.35	0.00	19,428.11	10,567.52
2018	22,325.54	6,110.80	24,711.95	7,262.17
2019*	37,861.07	27,157.79	56,494.0 7	38,907.22
2020*	60,416.11	8,245.01	53,031.54	34,209.10

NOTES

*2019 and 2020 include the Payment for Right-of-Way Line Items

*2020 Appropriations are already net of the amount offered for COVID-19; subject to confirmation with DOTr Finance



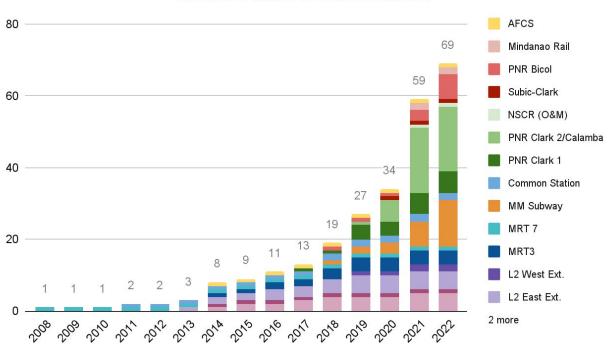
Who are building

Contracts Pipeline

Who are building

Awarded Rail Contracts

Cumulative Number of Contracts Awarded



Average Contract Amount of Awarded Contracts as of Dec. 2020:

Php 16.79 billion (350 million USD)

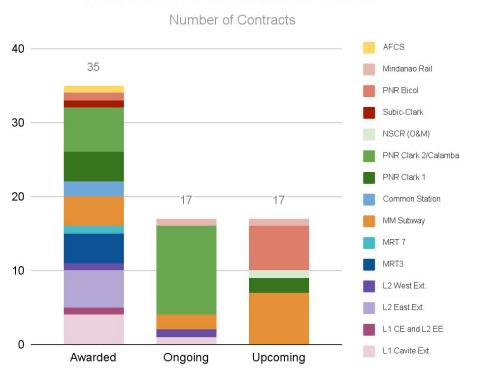
Average Contract Amount of 63/69 Total Contracts::

Php 22.05 billion (590 million USD)

*Previous versions revised to reflect two (2) additional contracts as of Oct. 2016 and one contract to be awarded in 2021
**26 Feb 2018: DOTr-PSDBM MOA designating PS-DBM as DOTr's Procuring Agent, utilizing PS-DBM's 10 Bids and Awards
Committees (BAC) for the procurement of DOTr's large-scale infrastructure projects

Who are building

Rail Sector Procurement Status



Project	Awarded	Ongoing	Upcoming	Grand Total
AFCS	1			1
Common Station	2			2
L1 Cavite Ext.	4	1		5
L1 CE and L2 EE	1			1
L2 East Ext.	5			5
L2 West Ext.	1	1		2
Mindanao Rail		1	1	2
MM Subway	3	3	7	13
MRT 7	1			1
MRT3	4			4
NSCR (O&M)			1	1
PNR Bicol	1		6	7
PNR Clark 1	4		2	6
PNR Clark		40		40
2/Calamba	6	12		18
Subic-Clark Grand Total	34	18	17	69
Grand Total	34	10	17	09

Projects and Contracts Status as of July 2016	Approval & Live Contract; Ongoing Construction L2 EE Consultant (Interfacing)	L3 Lot 1 W/ Live Contract, Ongoing Implementation L3 Lot 2 No NEDA Board Approval L3 Rehab No NEDA Board Approval	MRT-4 RS No NEDA Board Approval MRT-7 PPP MRT-7 w/ NEDA Board Approval & Live Contract; Ongoing Construction MMSP GC No NEDA Board Approval	MMSP EMS No NEDA Board Approval MMSP RS No NEDA Board Approval MMSP CW CP108 No NEDA Board Approval	CS CW EMS W/ NEDA Board Approval, No Live Contract PNR Clark 1 GC No NEDA Board Approval PNR Clark 1 CW CP01 No NEDA Board Approval	PNR Clark 2/ Calamba EMS No NEDA Board Approval PNR Clark 2/ Calamba Commuter RS No NEDA Board Approval PNR Clark 2/ Calamba Airport RS No NEDA Board Approval	PNR Calamba CW CPS01 No NEDA Board Approval PNR Calamba CW CPS02 No NEDA Board Approval PNR Calamba CW CPS03a No NEDA Board Approval	PNR Calamba CW CPS07 No NEDA Board Approval NSCR O&M No NEDA Board Approval SCR EPCC No NEDA Board Approval	PNR Bicol DB P4 No NEDA Board Approval PNR Bicol RS P5a No NEDA Board Approval PNR Bicol RS P5b No NEDA Board Approval
W/ NEDA Board Approval & Live Contract; No Construction	L2 EE CW Viaduct W/ NEDA Board Approval & Live Contract; Ongoing Construction	L3 Rehab Consultant No NEDA Board Approval	MMSP CW CP101 No NEDA Board Approval	MMSP CW CP109 No NEDA Board Approval	PNR Clark 1 CW CP02 No NEDA Board Approval	PNR Clark 2 CW CPN01 No NEDA Board Approval	PNR Calamba CW CPS03b No NEDA Board Approval	SCR Employer's Representative No NEDA Board Approval	MRP PMC No NEDA Board Approval
LICE RS w/ NEDA Board Approval, No Live Contract	w/ NEDA Board	MRT-4 DEDC No NEDA Board Approval	MMSP CW CP102 No NEDA Board Approval	MMSP AW PI No NEDA Board Approval	PNR Clark 1 RS No NEDA Board Approval	PNR Clark 2 CW CPN02 No NEDA Board Approval	PNR Calamba CW CPS03c No NEDA Board Approval	PNR Bicol PMC No NEDA Board Approval	MRP DB No NEDA Board Approval
LICE Depot w/ NEDA Board Approval, No Live Contract	w/ NEDA Board Approval, No Live Contract	MRT-4 Project Management Consultant No NEDA Board Approval	MMSP CW CP103 No NEDA Board Approval	MMSP AW P2 No NEDA Board Approval	PNR Clark 1 EMS No NEDA Board Approval	PNR Clark 2 CW CPN03 No NEDA Board Approval	PNR Calamba CW CPS04 No NEDA Board Approval	PNR Bicol DB P1 No NEDA Board Approval	AFCS PPP w/ NEDA Board Approval & Live Contract; Ongoing Contract Implementation
LICE PPP W/ NEDA Board Approval & Live Contract; No Construction	w/ NEDA Board	MRT-4 CW No NEDA Board Approval	MMSP CW CP104 No NEDA Board Approval	MMSP O&M No NEDA Board Approval	PNR Clark 1 CW CP05 No NEDA Board Approval	PNR Clark 2 CW CPN04 No NEDA Board Approval	PNR Calamba CW CPS05 No NEDA Board Approval	PNR Bicol DB P2 No NEDA Board Approval	IPIF Consultant No Live Contract
LICE Depot Equipment w/ NEDA Board Approval, No Live	w/ NEDA Board	MRT-4 EMS No NEDA Board Approval	MMSP CW CP105 No NEDA Board Approval	CS Consultant MetroLink JV w/ NEDA Board Approval & Live	PNR Clark 2/ Calamba GC No NEDA Board Approval	PNR Clark 2 CW CPN05 No NEDA Board Approval	PNR Calamba CW CPS06 No NEDA Board Approval	PNR Bicol DB P3 No NEDA Board Approval	

Projects	LICE/L2EE Consultant	中国中年 CRRC	MRT-4 RS	MMSP EMS ONGOING	CS CW EMS	PNR Clark 2/ Calamba EMS ONGOING	PNR Calamba CW CPS01 ONGOING	PNR Calamba CW CPS07 ONGOING	PNR Bicol DB P4
and Contracts Status as of May	L2 EE Consultant (CW)	ASIAPHIL	MRT-7 PPP MRT MRT MR TO	MMSP RS ◆ Sumitomo Corporation	PNR Clark 1 GC NSTren consortium	PNR Clark 2/ Calamba Commuter RS ONGOING	PNR Calamba CW CPS02 ONGOING	NSCR O&M	PNR Bicol RS P5a
2021	L2 EE Consultant (Interfacing) Soosung Joint Venture (FSIV)	◆ Sumitomo Corporation MITSUBISHI HEAVY INDUSTRIES	MMSP GC	MMSP CW CP108	PNR Clark 1 CW CP01 BM CONSUNI, INC. THE THE TWO THE THE TWO THE TW	PNR Clark 2/ Calamba Airport RS ONGOING	PNR Calamba CW CPS03a ONGOING	SCR EPCC P国港湾 CHINA MARBOUR	PNR Bicol RS P5b
	D.M. CONSUNII, INC.	L3 Rehab Consultant OCG-MRT3 MITI SEMBLIZIZON PROJECT GUYENIGONI CONGULTANT	MMSP CW CP101	MMSP CW CP109	PNR Clark 1 CW CP02 SUMITOMO MITSUI CONSTRUCTION CO.,LTD.	PNR Clark 2 CW CPN01 A HYULIGIR BI MEGAWICE 25, PONGAN AND ALERTED GRADE AND TOPAGE AND TOPAGE	PNR Calamba CW CPS03b ONGOING	SCR Employer's Representative AECOM pdp ARCHITECTS	MRP PMC ONGOING
∴ Mitsubishi Corporation		MRT-4 DEDC ONGOING	MMSP CW CP102	MMSP AW P1	PNR Clark 1 RS Sumitomo Corporation	PNR Clark 2 CW CPN02	PNR Calamba CW CPS03c ONGOING	PNR Bicol PMC 中国铁设 CRDC	MRP DB
LICE Depot SHIMIZU CORPORATION (2) SHIMIZU	Manubani	MRT-4 Project Management Consultant	MMSP CW CP103	MMSP AW P2	PNR Clark 1 EMS	PNR Clark 2 CW CPN03 TRAINSTINA INVIDENT PURIS COMPANY LIMITED	PNR Calamba CW CPS04 ONGOING	PNR Bicol DB P1	ARUP
LICE PPP LIGHT RAIL MANILA CORPORATION	L2WE Consultancy WESTRAX JV	MRT-4 CW	MMSP CW CP104 ONGOING	MMSP O&M	PNR Clark 1 CW CP05	PNR Clark 2 CW CPN04	PNR Calamba CW CPS05 ONGOING	PNR Bicol DB P2	IPIF Consultant
L1CE Depot Equipment	L2WE RS CW EMS	MRT-4 EMS	MMSP CW CP105	CS Consultant MetroLink JV	PNR Clark 2/ Calamba GC GCR	PNR Clark 2 CW CPN05 POSCO E&C	PNR Calamba CW CPS06 ONGOING	PNR Bicol DB P3	

Increasing Global Rail Attention

As of July 2016 International Local INVESTMENTS CORPORATION HYUNDAI Rotem D.M. CONSUNJI, INC Marubeni Mitsubishi Corporation SAN MIGUEL CORPORATION SYSTIA C.M. PANCHO **First Balfour**

Local BF FDSC - KRNA - SOOSUNG CONSORTIUM MetroLink JV **MEGAWIDE** ASIAPHIL TOKWING ANGEL LAZARO & ASSOCIATES INTERNATIONAL D.M. CONSUNJI, INC.



To Date



















Marubeni

Xashima

egis rail

SMEC





































距 DONGAH

WiKA

posco

GS E&C Corporation

IRIS DOGUS

CHE 中国港湾





中國路桥工程有限责任公司















































Railway Assets Build-up

2016



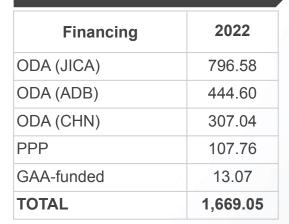


Total Project Cost of NB Approved Rail Projects



1,209 k.m.







168 StationsNO. OF STATIONS



1,381 TrainsNO. OF TRAINS



234 Trains

NO. OF TRAINS

*Investment-approved; financed; with contracts awarded; ongoing construction, manufacturing, and/or installation; partially operational; and fully operational.

LRT LINE 1



One (1) Train Set

Train Generation	Cars per Set	Available Train Sets	Ave. Headway
Gen 1	3	18	
Gen 2	4	6	
Gen 3	4	12	3-5 minutes
Gen 4*	4	30	

^{*}ongoing delivery





139 Jeepneys with 10 passengers each





39 Buses with 35 passengers each



LEGEND / SCALE:





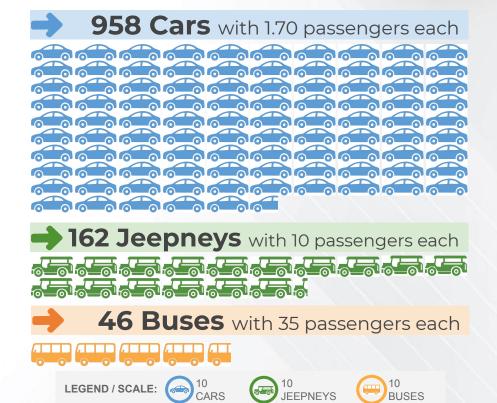


LRT LINE 2





Train		Available	Ave.
Generation		Train Sets	Headway
Class 2000	4	5	14 mins.

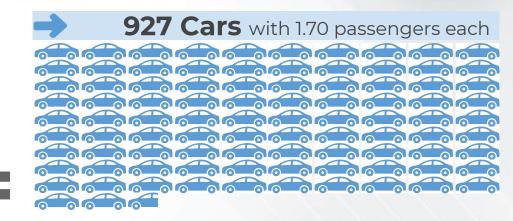


MRT LINE 3



One (1) Train Set

Train	Cars per Set	Available	Ave.
Generation		Train Sets	Headway
CKD	3	18	4 mins.



→ 158 Jeepneys with 10 passengers each





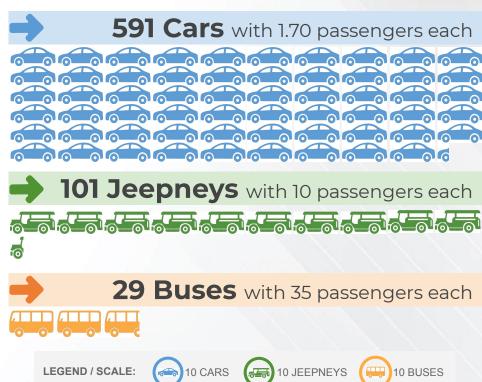




MRT LINE 7



One (1) Train Set





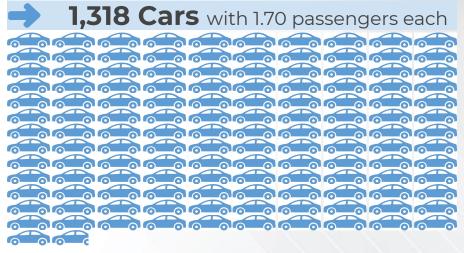




MMSP



One (1) Train Set

















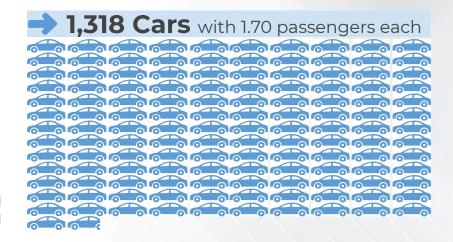


Reduction of Road Congestion

NSCR SYSTEM



One (1) Train Set



224 Jeepneys with 10 passengers each

64 Buses with 35 passengers each







Reduction of Road Congestion

PNR INKA TRAINS





Train Generation	Cars per Set	Available Train Sets	Ave. Headway
DMU 8000 Series	3	2	
DMU 8100 Series	4	4	26 mins.
Diesel Hydraulic Locomotive and 5-Car Trailer Coaches	5	3	











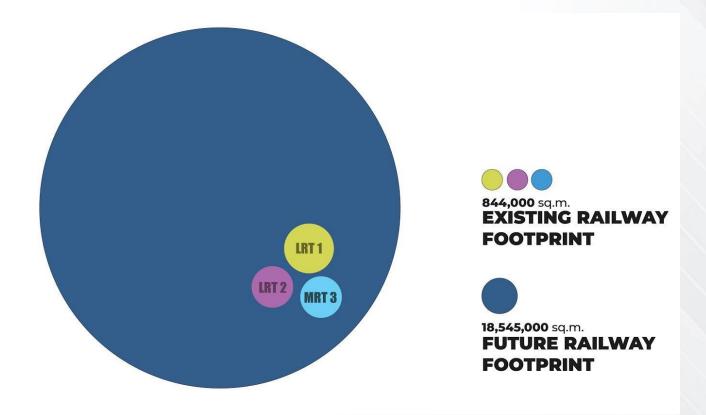




Where are we building

ROWSA Efforts

Railway Projects Footprint

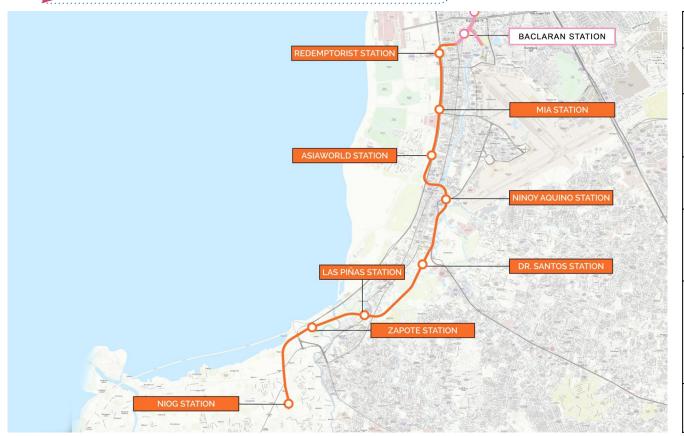




Project Profile and Photos



LRT-1 CAVITE EXTENSION



Route Length	11.7 km
No. of Stations	8 Stations
Rolling Stock	30 Train Sets (4 LRVs per Train Set); Total of 124 LRVs
Ridership	800,000/day in first year of Full Operations
Provinces and Municipalities	National Capital Region Region IVA (Cavite)
Total Project Cost	PhP 64.915 B (27.42% JICA ODA; 11.63% GOP; 60.95% PPP Counterpart Funding)
NEDA Board Approval/s	22 March 2012, 21 November 2013

LRT-1 Cavite Extension



13009

Train Set 2 coupled in Baclaran Depot

Arrival of the 1st LRT-1 4th Generation Train Set on 26 January 2021

LRT-1 Cavite Extension







Ongoing Construction

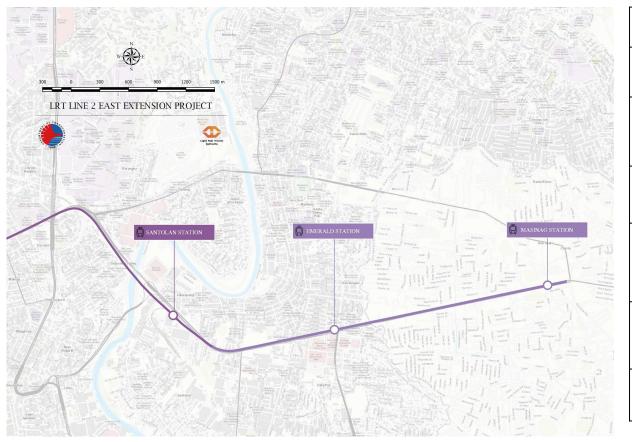
Breakdown of Contracts and Status - L1 CE

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Rolling Stock		29 Apr 2014 (MYOA) Note: Updated MYCA issuance	v 27 Mar 2013	~	~	✓ 28 Dec 2016	✓ 07 Nov 2017	✓ 01 Mar 2018
Depot Civil Works				V	~	✓ 05 Jul 2018	✓ 27 Dec 2018	✓ 24 June 2019
Depot Equipment	~			N/A	N/A	23 Dec 2019	Jun 2021	Jun-Jul 2021
General Consultant	21 Nov 2013	is dependent on NEDA Board Re-approval.		N/A	N/A	✓ 07 Jun 2013	✓ 21 Nov 2014	23 Jan 2015
Independen t Consultant			N1/0	N/A	N/A	01 Apr 2015	✓ 01 Sep 2015	7 11 Sep 2015
Concession Agreement		N/A	N/A	V	4Q 2021	✓ 03 Dec 2013	✓ 12 Sep 2014	12 Sep 2015

✓: Actual Date Target



LRT-2 EAST EXTENSION



Route Length	3.8 km
No. of Stations	2 Stations
Rolling Stock	14 Train Sets (4 LRVs per Train Set); Total of 56 LRVs
Ridership	Additional 80,000/day in first year of Full Operations
Provinces and Municipalities	National Capital Region Region IVA (Rizal)
Total Project Cost	PhP 9.51066 Billion (32.73% JICA ODA; 67.27% GOP)
NEDA Board Approval/s	4 September 2012

LRT-2 East Extension









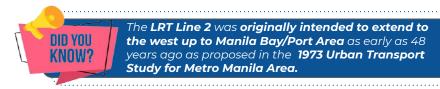
Marikina Station (Street Level)

Ongoing Testing and Commissioning

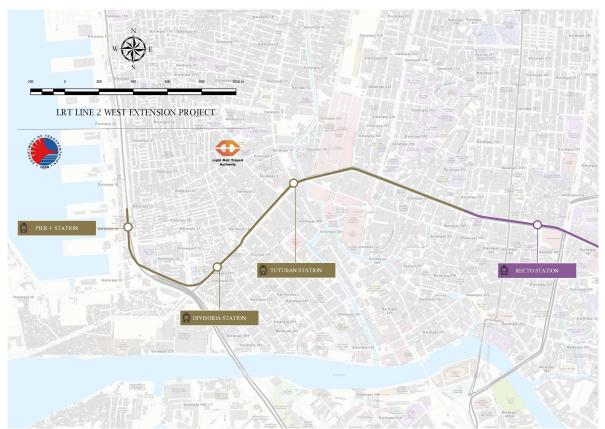
Breakdown of Contracts and Status - L2 EE

✓: Actual Date Target

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works				
Civil Works: Viaduct			2 7 Mar 2013	V	~	2 9 Sep 2013	✓ 23 Dec 2014	✓ 06 Apr 2015				
CW: Stations		N/A						V	~	2 5 Aug 2016	✓ 9 Dec 2016	✓ 20 Feb 2017
EMS				V	~	19 Dec 2017	✓ 14 Dec 2018	✓ 04 Jul 2019				
General Consultant (EMS)	4 Sep 2012			N/A	N/A	✓ 07 Jun 2013	21 Nov 2014	✓ 23 Jan 2015				
Consultancy (CW)				N/A	N/A	✓ 26 Feb 2013	✓ 27 Dec 2013	2 1 Apr 2014				
Consultancy (Interfacing)				N/A	N/A	✓ 31 Oct 2019	✓ 27 Dec 2019	✓ 26 Feb 2020				



LRT-2 WEST EXTENSION



Route Length	2.965 km
No. of Stations	3 Stations
Rolling Stock	5 Train Sets (4 LRVs per Train Set); Total of 20 LRVs
Ridership	Expected 124,000/day ridership at 2030
Provinces and Municipalities	National Capital Region (Manila)
Total Project Cost	PhP 10,118.46 Billion (GOP)
NEDA Board Approval/s	14 January 2015

LRT-2 West Extension



Breakdown of Contracts and Status - L2 WE

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Rolling Stock, Civil Works, and EMS	✓ 14 Jan 2015	DDIVI	N/A	V	DB Contract or	27 Aug 2020	June 2021	TBD
Consultancy (GC)				N/A	N/A	✓ 13 Nov 2018	✓ 19 Jul 2019	✓ 16 Aug 2019

✓: Actual Date Target

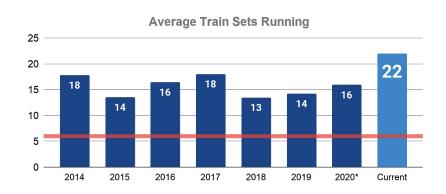


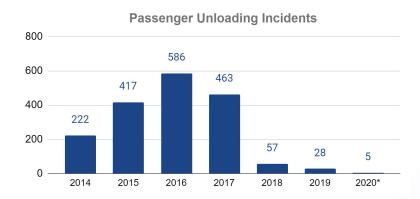
MRT-3 REHABILITATION

1	North Avenue Located in South of North Avenue
2	Quezon Avenue Located in South of Quezon Avenue
3	GMA Kamuning Located before Kamuning Flyover in front of MMDA and DPWH
4	Cubao Located in South of Aurora Boulevard in front of Farmers Market Ontigas Center
5	Santolan - Anapolis Located after Santolan Flyover in front of Camp Crame Ortigas Ave.
6	Ortigas Located in front of ADB Parking Area
7	Shaw Boulevard Located in front of EDSA Central and Shangri-La Mall
8	Boni Avenue Located in front of CV Smithkline Becham and Wheelers Club
9	Guadalupe Located in front of Guadalupe Mall and Our Lady of Guadalupe Seminary
10	Buendia Located in North of Forbes Park Gate
1	Ayala Located in front of Dasmarinas Village Makati CRD Fort
12	Magallanes Located in North of Magallanes Flyover
13	Taft Avenue Located in North of Taft Avenue

Route Length	16.9 km
No. of Stations	13 stations
Rolling Stock	24 Train Sets (3 Cars per Train Set); Total of 72 Cars (CKD Units)
	3 Provisionally Accepted Train Sets; 9 Cars (Dalian Units)
Ridership	600,000 passengers/day
Provinces and Municipalities	National Capital Region: (1) Quezon City (2) San Juan City (3) Mandaluyong City (5) Makati City (6) Pasay City
Total Project Cost	PHP 21.97 Billion (85.45% JICA ODA; 14.55% GOP)
NEDA Board Approval/s	24 August 2018

MRT-3 Rehabilitation Progress





Ave. Train Sets Running

- Highest number in the history of the MRT-3
 - Lowest number recorded in recent years (20 February 2018)

Ave. Monthly Unloading Incidents

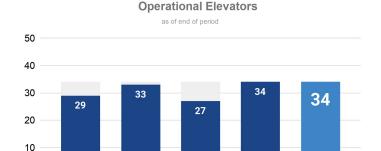
- January 2016 to November 2017
 Maintenance service provider: BURI
 - December 2017 to April 2019

 Maintenance service provider: MTT
- May 2019 to present**
 Maintenance service provider: Sumitomo

^{*2020} figures are for January to 13 September

^{**} excludes non-operating months of April and May 2020

MRT-3 Rehabilitation Progress



Operational Elevators

Currently Operational

100%

Lowest Recorded

4 May 2016

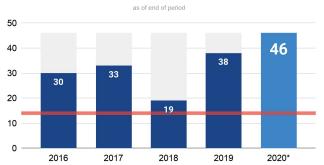
5

Operational Escalators

2018

2019

2020*



Operational Escalators

Currently Operational

100%

Lowest Recorded

2 Jan 2019

14

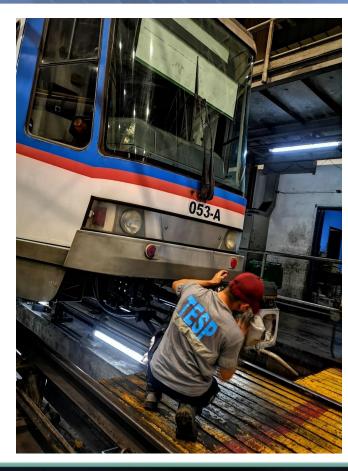
2016

2017

^{*2020} figures are for January to 13 September

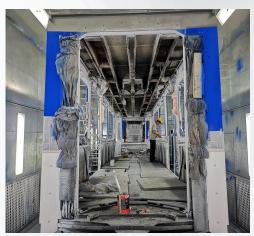
^{**} excludes non-operating months of April and May 2020

MRT-3 Rehabilitation











LRV General Overhauling

Breakdown of Contracts and Status - L3 RM

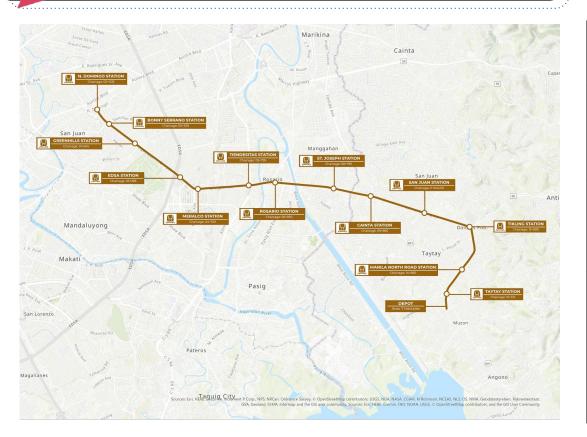
Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commenceme nt of Works
Rehabilitation & Maintenance Agreement	2 22 Aug 2018	22 Aug 3 Dec 2018	✓ 08 Nov 2018	N/A	N/A	√ 18 Dec 2018	✓ 27 Dec 2018	✓ 01 May 2019
Supervision Consultant				N/A	N/A	√ 17 Apr 2019	✓ 18 Dec 2019	12 Mar 2020

✓: Actual Date Target



MRT-4 was **first conceived in 1995** following Former President Ramos's Administrative Order No. 214 creating the committee for the feasibility study of the **Silangan Express 2000 Railway System which will connect Metro Manila to Rizal and Quezon.**

MRT-4



Route Length	15.56 km
No. of Stations	11 Stations (and 2 Provisional Stations)
Provinces and Municipalities	National Capital Region Region IVA (Rizal)
Total Project Cost	PHP 59.3 Billion (ADB)
NEDA Board Approval/s	29 January 2020



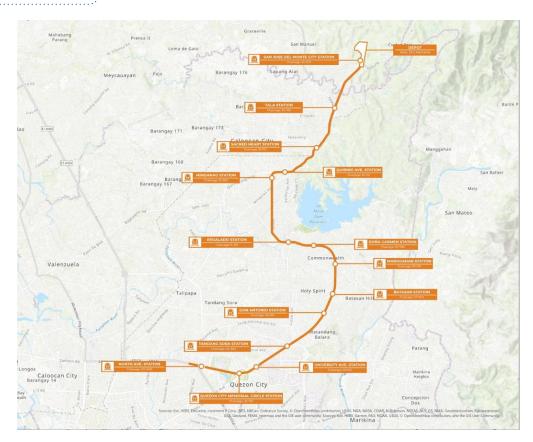
Breakdown of Contracts and Status - L4

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
TBD	~		Included in ADB Country Operating Plan (COP)	TBD	TBD	TBD	TBD	TBD





Route Length	22 kms					
No. of Stations	14 Stations					
Rolling Stock	108 cars					
Ridership	300-800,000 passengers per day					
Provinces and Municipalities	National Capital Region Region III (Bulacan)					
Total Project Cost	PHP 77 Billion (PPP)					
NEDA Board Approval/s	July 2009 21 November 2013 (Re-approval)					



MRT-7





Ongoing Construction



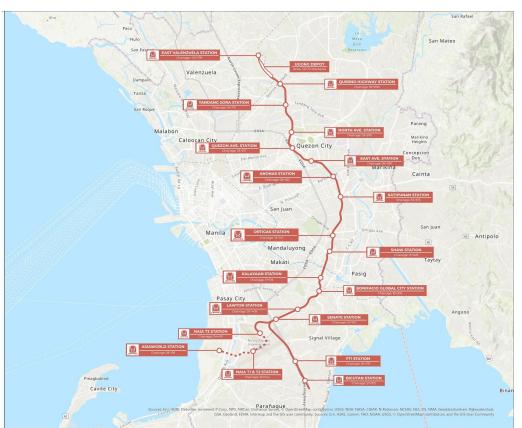
Trains ready for delivery

Breakdown of Contracts and Status - L7

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Concession Agreement	•	N/A	N/A	~	V	V	~	V



METRO MANILA SUBWAY



Route Length	36 km				
No. of Stations	17 stations (2 of which are combined stations with NSCR Line)				
Rolling Stock	30 Train Sets (8 Cars per Train Set); Total of 240 Cars				
Ridership	370,000 passengers per day in first year of Full Operations				
Provinces and Municipalities	National Capital Region:				
	(1) Valenzuela (2) Quezon City (3) Pasig (4) Makati (5) Taguig (6) Parañaque (7) Pasay				
Total Project Cost	PHP 356.96 Billion (ODA) (74.36% JICA; 25.64% GOP)				

Metro Manila Subway











05 February 2021, TBM 1 "Kaunlaran" Arriving Ceremony at Manila Harbour, Manila City

Metro Manila Subway









TBM Stockyard at Tandang Sora

Transport of TBM Parts from Port to Stockyard

Metro Manila Subway







MMSP Depot at Valenzuela



North Avenue Station

Breakdown of Contracts and Status - MMSP

✓: Actual Date

Target

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
General Consultant			✓ 16 Mar 2018	N/A	N/A	✓ 16 Aug 2018	✓ 19 Nov 2018	✓ 6 Dec 2018
CP101 (Civil Works)				~	DB Contractor	✓ 27 Dec 2018	✓ 14 Feb 2019	✓ 8 Mar 2019
CP102 (CW)				~	✓ Oct 2020	Jun 2021	Nov 2021	Jan 2022
CP103 (CW)		2017 ✓ 18 Jun 2018		~	✓ Oct 2020	Jun 2021	Nov 2021	Jan 2022
CP104 (CW)				~	✓ Sep 2020	✓ 09 Oct 2020	Aug 2021	Oct 2021
CP105 (CW)	. 4 12 Care 2017			~	Aug 2021	Nov 2021	Sep 2022	Oct 2022
CP106 (EMS)	✓ 12 Sep 2017			~	DB Contractor	✓ 23 Dec 2019	Jun 2021	Aug 2021
CP107 (Rolling Stock)				~	DB Contractor	✓ 19 Dec 2019	✓ 17 Dec 2020	✓ 08 Feb 2021
CP108 (CW)				~	July 2021	Oct 2021	Aug 2022	Sep 2022
CP109 (CW)				~	Aug 2021	Nov 2021	Sep 2022	Oct 2022
AW PI				N/A	N/A	Jul 2021	Oct 2021	Oct 2021
AW P2				N/A	DB Contractor	✓ 12 Nov 2020	✓ 26 May 2021	Jun 2021



COMMON STATION

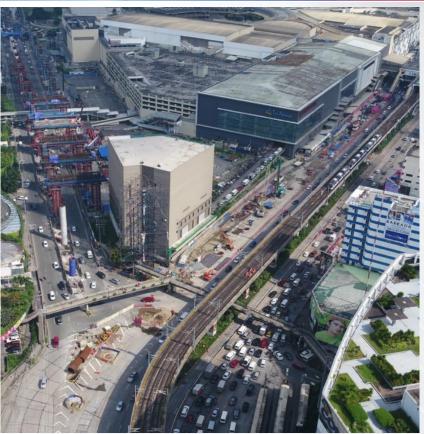


Project Area	13,700 sqm concourse connecting LRT-1, MRT-3, MRT-7, and MMSP				
Provinces and	National Capital Region				
Municipalities	(Quezon City)				
Total Project	PHP 2.783 Billion				
Cost	(GOP)				
NEDA Board Approval/s	July 2009 21 November 2013 (Re-approval)				

Common Station







Ongoing Construction

Common Station





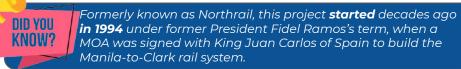
Ongoing Construction

Breakdown of Contracts and Status - CS

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Civil Works and EMS	7	N1/A	N1/A	•	~	✓ 26 Jun 2018	✓ 17 Dec 2018	✓ 16 May 2020
Consultancy (GC)	- 27 Jun 2017	N/A	N/A	N/A	N/A	~	✓ 30 May 2011	~

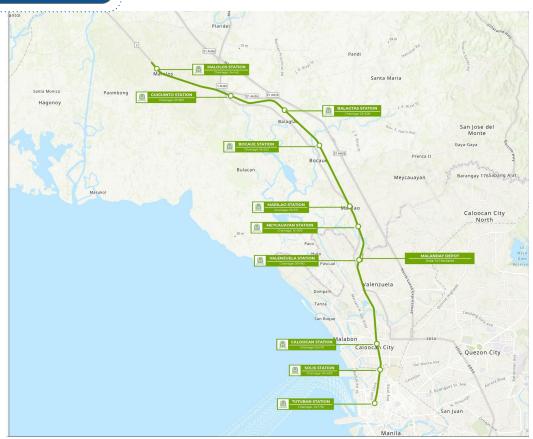
✓: Actual Date Target





PNR CLARK 1

٠	
Route Length	37.9 km
No. of Stations	10 stations
Rolling Stock	13 Train Sets (8 Cars per Set)
Ridership	300,000 passengers per day
Provinces and Municipalities	National Capital Region Region III (Bulacan)
Total Project Cost	PHP 149.13 Billion (JICA ODA)
NEDA Board Approval/s	8 July 2015 15 November 2018 (Re-approval)









Ongoing Construction



Ongoing Construction









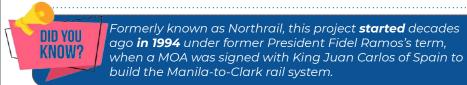


Site Inspection by DOTr Sec. Art Tugade and other officials, PNR GM Junn Magno, Cong. Henry Villarica, and Valenzuela City Mayor Rex Gatchalian in Malanday Depot and Meycauayan Construction Yard on 26 May 2021

Breakdown of Contracts and Status - PNR Clark.1

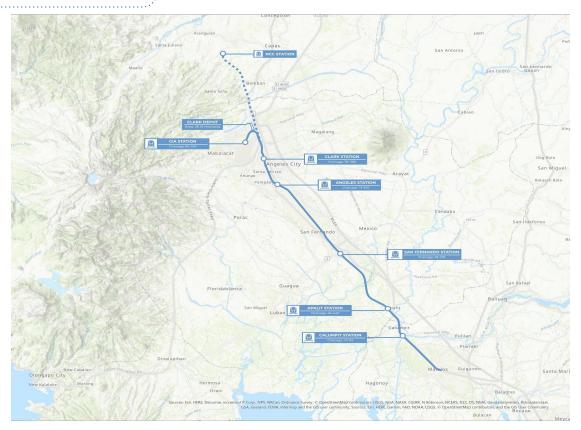
Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works	
General Consultant				N/A	N/A	✓ 19 Jul 2017	✓ 10 Nov 2017	✓ 22 Jan 2018	
CP01 (Civil Works)		√ 1 Aug 2019			~	•	✓ 18 May 2018	✓ 20 Mar 2019	✓ 03 Dec 2019
CP02 (CW)	475.11		✓ 27 Nov 2015	~	~	✓ 18 May 2018	✓ 3 Jan 2019	✓ 2 Jul 2019	
CP03 (Rolling Stock)	✓15 Nov 2018			~	N/A	✓ 26 Jul 2018	✓ 5 Jul 2019	✓ 27 Aug 2019	
CP04 (EMS)	-			~	N/A	May 2021	Aug 2021	Sep 2021	
CP05 (CW)				~	Jun 2021	Jun 2021	Nov 2021	Dec 2021	

✓: Actual Date Target



PNR CLARK 2

Route Length	53 km
No. of Stations	6 Stations
Rolling Stock	19 Commuter Train Sets 7 Airport Express Train Sets
Ridership	340,000 passengers per day
Provinces and Municipalities	Region III (Bulacan and Pampanga)
Total Project Cost	PHP 283.8 Billion (JICA and ADB ODA)
NEDA Board Approval/s	12 September 2017 15 November 2018 (Re-approval)



All civil works packages awarded



Virtual Contract Signing for the CPN-04 to CPN-05 of the PNR Clark Phase 2 attended by heads and representatives from DOTr, PNR, ADB, and winning bidders (Acciona-EEI Joint Venture and Posco E&C)





CPN01 Batching Plant







Ongoing Pre-Construction Works; Temporary Facilities and Workers' Area

Breakdown of Contracts and Status - PNR Clark.2

PNR Clark 2

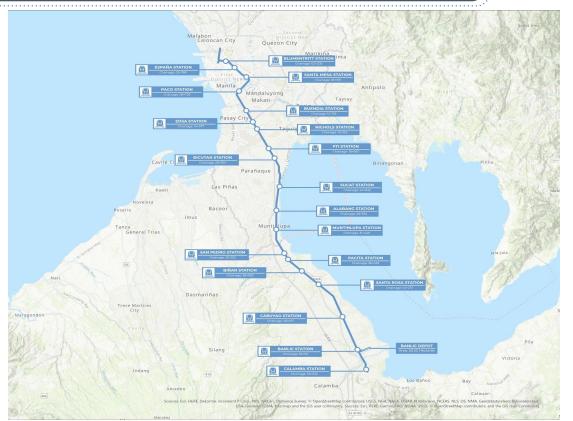
Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
CPN01 (Civil Works)			ADB: ✔ 11 Jul 2019	~	✓	✓ 30 Jan 2019	✓ 18 Sep 2020	✔ 07 Dec 2020
CPN02 (CW)		√ 1 Aug 2019		✓	~	✓ 30 Jan 2019	✓ 18 Sep 2020	✔ 07 Dec 2020
CPN03 (CW)	✓ 15 Nov 2018			~	~	✓ 30 Jan 2019	✓ 18 Sep 2020	✔ 07 Dec 2020
CPN04 (CW)				~	~	✔ 6 May 2019	✓ 08 Jul 2020	✓ 30 Oct 2020
CPN05 (CW)				~	~	✓ 6 May 2019	✓ 08 Jul 2020	✓ 28 Oct 2020

✓: Actual Date Target



The PNR was originally a **2,000 km** line which served as the transport backbone of the Luzon island from 1892-1938, spanning San Fernando, La Union to Legaspi Albay, and several branch lines. Most of the rail network were lost during World War II.

PNR CALAMBA



Route Length	56 km
No. of Stations	19 Stations
Rolling Stock	19 Commuter Train Sets 7 Airport Express Train Sets
Ridership	340,000 passengers per day (opening day) Up to 550,000 on full-system operation
Provinces and Municipalities	National Capital Region Region IVA (Laguna)
Total Project Cost	PHP 344.6 Billion (JICA and ADB ODA)
NEDA Board Approval/s	12 September 2017 15 November 2018 (Re-approval)

Source: PNR Website; Railroads and Regional Devt in the Philippines: Views from the Colonial Iron Horse by Arturo Corpuz (1989)

PNR Calamba







Breakdown of Contracts and Status - PNR Calamba

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
CPS01 (CIvil Works)			ADB: ✓ 11 Jul 2019	~	V	✓ 10 May 2019 (failed bidding)	Oct 2021	4Q 2021
CPS02 (CW)	-			~	~	✓ 04 Dec 2020 ✓ 04 Dec 2020	Oct 2021	2Q 2022
CPS03A (CW)	-	✓1 Aug 2019 ADB: 3Q 2020		~		✓ 24 Mar 2021	Dec 2021	2Q 2022
CPS03B (CW)			ADB: 3Q 2020	~		✓ 08 Apr 2021	Dec 2021	2Q 2022
CPS03C (CW)	✓ 15 Nov 2018			~		✓ 24 Mar 2021	Dec 2021	2Q 2022
CPS04 (CW)				~	~	✓ 23 Nov 2020	Oct 2021	4Q 2021
CPS05 (CW)				~	~	✓ 23 Nov 2020	Oct 2021	4Q 2021
CPS06 (CW)				~	~	✓ 23 Nov 2020	Oct 2021	4Q 2021
CPS07 (CW)				~	~	✓ 23 Nov 2020	Oct 2021	4Q 2021

✓: Actual Date Target

Breakdown of Contracts and Status - PNR Clark 2 & Calamba

PNR Clark 2 and Calamba

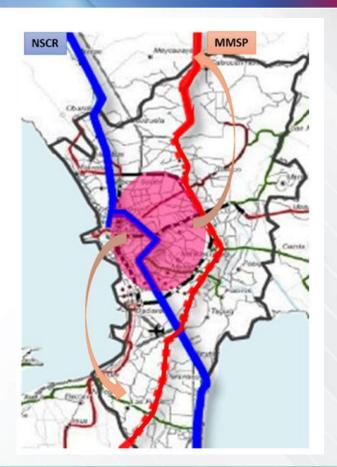
Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
CPNS01 (EMS)			JICA:	~	N/A	✔ Apr 2021	Sep 2021	4Q 2021
CPNS02 (Rolling Stock)	✓15 Nov 2018			~	N/A	✓ 15 Sep 2020	Jun 2021	3Q 2021
CPNS03 (Limited Express RS)		√ 1 Aug 2019	✓ 21 Jan 2019	~	N/A	✓ 26 Feb 2021	Sep 2021	4Q 2021
General Consultant				N/A	N/A	✓ 5 Mar 2019	✓ 2 Aug 2019	V

✓: Actual Date Target

MMSP & NSCR as North-South Backbone Corridors

MMSP and NSCR

Will serve as major North-South Transport Backbone which will strengthen connectivity of existing and planned urban and east-west railways (Lines 1, 2, 3, 47).



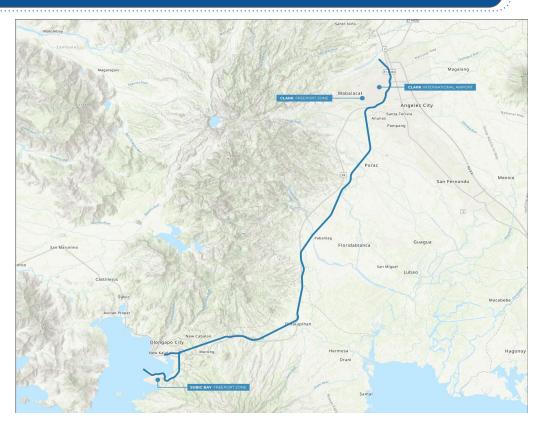
PNR Luzon System Development Framework

Component of PNR Luzon SystemDevelopment Framework							
	Line	Alignment	Length (km)				
_	PNR North Commuter 1 (aka NSCR Phase 1)	Tutuban-Malolos	38	TAR			
PNR North	PNR North Commuter 2 (aka CMRP)	Malolos-CRK-NCC	69	Porrof			
PNF	PNR North Long Haul	NCC-Tarlac-San Fernando	159				
	PINK NOTHI LONG HAUI	Tarlac-San Jose-Tuguegarao	309				
	Subic-Clark Railway	PSB-CRK-NCC	80	100			
PNR South	PNR South Commuter (aka NSCR Phase 2)	Tutuban-Los Baños	72	,			
3 So		Los Baños-Legazpi	406				
PNF	PNR South Long Haul	Legazpi-Matnog	117				
		Los Baños-Batangas	58				





The Subic-Clark corridor is envisioned to evolve into a competitive **logistics mega-hub in SE/Asia in the early 2000s**. Currently, the **Subic Bay Port** operations holds up to **600,000 TEUs of Containerized Cargo** and **10 million MT of non-containerized cargo** yearly while the **Clark Airport** is expected to increase its capacity to **12 MPPA**.



SUBIC-CLARK RAILWAY

Route Length	71.13 km
Provinces and Municipalities	Region III (Pampanga and Zambales)
Total Project Cost	PHP 50.03 Billion (CHN ODA)
Project Impact	Aims to further develop the Subic-Clark corridor as an industrial and logistics hub
NEDA Board Approval/s	25 April 2018

Subic-Clark Railway

EPCC Contract signed on 16 January 2020





04 September 2020. Opening of Bids for the Engineering, Procurement, Construction, and Commissioning (EPCC) Contract Procurement

Breakdown of Contracts and Status - SCR

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Turnkey / EPCC Contract	✓ 25 Apr 2018	DBM Legal	Jun 2021	V	Turnkey Contractor	✓ 20 Dec 2019	✓ Dec 2020	Jul 2021

^{*}Assuming loan negotiation to signing takes 3 months.

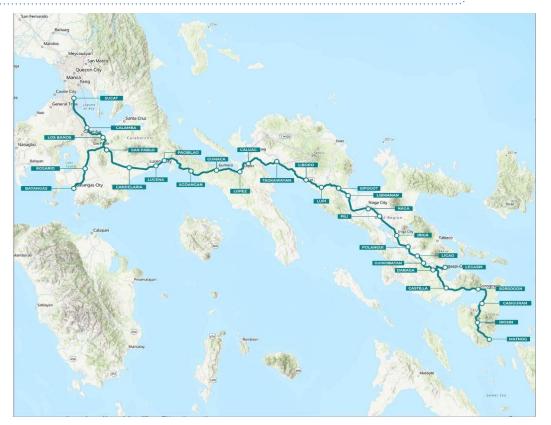
✓: Actual Date Target

^{**}Per CHN Side, winning contractor will undertake Advance Works (e.g., detailed engineering design, site preparation) after Contract Signing and in parallel with Loan Negotiations.



The PNR was originally a **2,000 km** line which served as the transport backbone of the Luzon island from 1892-1938, spanning San Fernando, La Union to Legaspi Albay, and several branch lines. Most of the rail network were lost during World War II.

PNR BICOL



Route Length	639 km
No. of Stations	34 Stations
Ridership	100,000 passengers per day
Provinces and Municipalities	National Capital Region Region IVA (Laguna, Quezon, Batangas) Region V (Camarines Norte, Camarines Sur, Albay, Sorsogon)
Total Project Cost	PHP 175.32 Billion (CHN ODA)
NEDA Board Approval/s	12 September 2017

PNR Bicol

Awaiting procurement of DB Contractor





PNR Bicol



Soil Sampling activities for the preparation of EIA



Geohazard observation and interview at the existing PNR Line



Water Sampling activities for the preparation of EIA

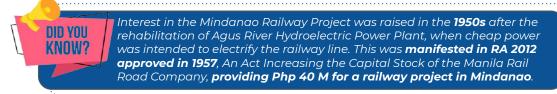
Breakdown of Contracts and Status - PNR Bicol.

✓: Actual Date Target

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement*	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Project Management Consultant		7 🗸 13 Apr 2016	✓ 29 Aug 2019	N/A	N/A	✓ 26 Jul 2018	✓ 5 Nov 2018	✓ AW: 17 Nov 2018 ✓ NTP: 10 Aug 2020
CP1 (Design-Build)			Jun 2021	~	DB Contractor	Jul 2021	Aug 2021	Aug 2021
CP2 (Design-Build)			May 2022	РМС	DB Contractor	Jan 2022	Mar 2022	Jun 2022
CP3 (Design-Build)	✓ 12 Sep 2017		May 2022	PMC	DB Contractor	Jan 2022	Mar 2022	Jun 2022
CP4 (Design-Build)			May 2022	PMC	DB Contractor	Jan 2022	Mar 2022	Jun 2022
CP5a (Rolling Stock)			Jul 2021	РМС	DB Contractor	July 2021	Sep 2021	Sep 2021
CP5b (Rolling Stock)			Mar 2022	РМС	DB Contractor	Jan 2022	Mar 2022	Jun 2022

*Assuming loan negotiation to signing takes 3 months.

^{**}Per CHN Side, winning contractor will undertake Advance Works (e.g., detailed engineering design, site preparation) after Contract Signing and in parallel with Loan Negotiations.





MINDANAO RAILWAY

Route Length	100 km				
No. of Stations	8 Stations (Tagum, Carmen, Panabo, Mudiang, Davao, Toril, Sta. Cruz, Digos)				
Ridership	122,000 passengers per day				
Provinces and Municipalities	Region XI (Tagum, Carmen, Panabo, Davao, Sta. Cruz, Digos)				
Total Project Cost	PHP 81.7 Billion (CHN ODA)				
NEDA Board Approval/s	12 September 2017 29 November 2019 (Re-approval)				

Mindanao Railway

Ongoing procurement of Project Management Consultant







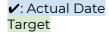


Breakdown of Contracts and Status - MRP

Contract Package	NEDA Board Approval	Issuance of MYCA	Loan Agreement	Basic Design	Detailed Design	Procurement (Bid Publication)	Contract Award	Commencement of Works
Project Management Consultant	✓ 29 Nov	-	Jun 2021	N/A	N/A	✓ Sep 2020	Jun 2021	Jul 2021
Design-Build Contractor	2019		Jun 2021	~	DB Contractor	Jun 2021	Jul 2021	Aug 2021

^{*}Assuming loan negotiation to signing takes 3 months.

^{**}Per CHN Side, winning contractor will undertake Advance Works (e.g., detailed engineering design, site preparation) after Contract Signing and in parallel with Loan Negotiations.





How to Participate?

How to Participate



JICA-FUNDED



ADB-FUNDED



CHN-FUNDED

Lead has to be Japanese

30% minimum Japanese content

Relatively low requirements for Joint Venture Members

Subcontractor qualifications depend on whether nominated for qualifications compliance Any ADB Member Country

No minimum content required

Relatively high requirements for Joint Venture Members

Same for Subcontractor

Lead has to be Chinese

25% minimum Chinese content

Any Subcontractor



LOCALLY-FUNDED

60-40 Filipino-Foreign requirement for Infrastructure Contracts

Goods Contracts open to Foreign, provided there is reciprocity

PPP

Private Proponent selects
Partners and Subcontractors

OPERATIONS AND MAINTENANCE

Since involves operation of a "Public Utility", requires Concessionaire to be a Philippine Entity

Options are to be Minority Partner and/or Technical Service Contractor

Useful Links

- Handbook for Procurement under Japanese ODA Loans
- Main Eligibility Requirements for bidding under ADB-financed projects
- ADB Guide on Bid Evaluation
- PS-DBM PHILGEPS Website
- DOTr Website

Railway Assets Build-up; Only the Beginning









2022
796.58
444.60
307.04
107.76
13.07
1,669.05







1,381 Trains



All railway projects identified in the 2014 and 2017 Transportation Infrastructure Roadmap for the Greater Capital Region (GCR) are investment-approved, financed, and mostly procured and already ongoing construction / production.

x4-5 more similarly sized railway pipelines needed

	Manila	Jakarta	Seoul	Tokyo	Shanghai
Area	620 <u>sgkm</u>	662 <u>sgkm</u>	650 <u>sgkm</u>	622 <u>sgkm</u>	500 sqkm
Km Rail	77 km	170.2 km	490 km	700 km	690 km
Rail Density	0.12 km/sqkm	0.25 km/sgkm	0.75 km/sgkm	1.12 km/sgkm	1.38 km/sqkm

Source: Manila Urban Transport Scoping Study by AECOM



Area (in sqkm)

"Pipeline 1" Projects Ongoing, Preparing "Pipeline 2"

Line	1999 Metro Manila Urban Transportation Integration Study	2014 Roadmap for Transport Infra Devt for MM and its Surrounding Areas (Region III and Region IV)	Roadmap for Transport Infrastructure Development for Greater Capital Region (GCR)	Status To Date
		North Extension (Malabon)		
Line 1		South Extension (Dasmarinas)	LRT-1 Cavite Extension	Ongoing Construction
	South Extension (Dasmarinas) East Extension (Antipolo and Masinag)	East to Antipolo	LRT-2 East Extension	Ongoing Testing and Commissioning
Line 2	West Extension (North Harbor)	West (North Harbor)		Ongoing Preparation for DB Procurement
	Southeast Extension (Taytay) Southeast Extension (Binangonan)			
	Northwest Extension (Navotas)			
Line 3	South Extension (Reclamation)			Under Planning -LGU and PPP
			MRT-3 Capacity Expansion	For completion by Dec 2021
	Recto-Batasan			Ongoing procurement of DED
Line 4	Phase 2 (Novaliches)			Consultant
	Branch Line (San Mateo)			
Line 7		Recto-Commonwealth Ave Banaba	Stage 1 - Quezon Ave Commonwealth Ave.)	Ongoing Construction
Mega Manila Subway		Mega Manila Subway	Mega Manila Subway	Ongoing Construction
Common Station			Common Station for LRT-1, MRT-3, and MRT-7	Ongoing Construction
	Northrail & MCX Meycauayan (Caloocan)	Mega Manila North-South Commuter Railway (Malolos-Calamba)	Mega Manila North-South Commuter Railway (Malolos-Calamba)	Ongoing Construction
PNR Line	Caloocan- Sta. Mesa			Ongoing PNR operations
	Sta. Mesa - EDSA			
	EDSA-Alabang			Ongoing procurement of contractor
	Alabang - Sta. Rosa			

2017 Follow-up Survey or

Increasing Implementation Capacity*





*Supported by ADB Technical Assistance grants:

TA No.	TA	Amt (in M USD)
TA 9570 PHI	Railway Project Implementation Support and Institutional Strengthening	3.4
TA 9913-PHI	Strengthening the Transition of Vulnerable Communities Affected by the Malolos-Clark Railway Project	2
TA 9336-PHI	Strengthening Infrastructure Capacity and Innovation for Inclusive Growth	0.7
TOTAL		6.1

	2016	2017	2018	2019	2020	2021	2022
Cumulative No. of Contracts	11	13	19	27	34	59	69
Cumulative Contract Amount (B PHP)	119.47	140.20	194.43	349.93	547.83	1,345.72	1,490.72
No. of Rail Personnel	24	50	156	284	433	476	982
Contract Amount per Rail Personnel (in B PHP)	4.98	2.80	1.25	1.23	1.27	2.83	1.52

Php 1,277 B/ USD 24.8 B

Annual Direct Economic Cost of Congestion which could have funded other social welfare services

Hours spent in traveling/ delays passengers/ long waiting times

Depriving people of time spent with loved-ones

	What are we building	How are we financing	Authority to Spend	Who are building	Where are we building	Who are Implementing	Coordination
DOTr	Project Development (Master Plan, FS)	Loan Agreement	Appropriations	Contracts	Right-of-Way and Site Acquisition	Personnel	Coordination
Earn Trust	Investment Decision	Lending	Appropriations	Contracts	Sale/Relocation	Positions	
Approver	RDC, ICC-TB, ICC-CC, NEDA Board	Development Partners	Congress	Contractors (through procurement process, industry-standard contract forms, CfP processes standing dispute boards)	Landowners, Utility Companies, Informal Settler Families		National Govt, Local Govt Units (through One Government approach)



Large-Scale Infrastructure

