



June 4, 2021

MEMORANDUM

FOR : **MR. SHERWIN BISCOCHO**
OIC, KMIT Division

SUBJECT : **Approved Annual Corporate Plan for CY 2022 + 3 Out Years**

We are pleased to transmit to your office the LRTA Board approved Annual Corporate Plan for FY 2022 + 3 Out Years and the corresponding Secretary's Certificate for posting to our LRTA Website. .

Thank you.


ALLAN A. ARQUIZA
OIC-Corp. Planning & Research Division



2021 MM CPD 059

Address:

Line 2 Depot, Marcos Highway, Santolan, Pasig City, M.M., Philippines
Trunkline: 86473479 / 86473481 / 86473484 / 86473485 / 86473487
website: www.lrta.gov.ph





LIGHT
RAIL
TRANSIT
AUTHORITY

SECRETARY'S CERTIFICATE

I, **HERNANDO T. CABRERA**, of legal age, Filipino and with address at the LRTA Line 2 Depot, Marcos Highway Santolan, Pasig City, after having been duly sworn in accordance with law, do hereby depose and say that:

That I am the duly appointed and constituted Corporate Board Secretary of the Light Rail Transit Authority, LRTA for brevity, a government owned and controlled corporation with principal address at the LRTA Line 2 Depot, Marcos Highway, Santolan, Pasig City;

That as such Corporate Secretary, I keep minutes and records of the transactions and meetings of the members of the Board of Directors of LRTA;

That on 23 April 2021, the Board of Directors of LRTA held meeting via ZOOM Teleconference;

That during the aforesaid meeting in which there was a quorum, the Board passed and approved the following:

RESOLUTION NO. 011-2021

RESOLVED AS IT IS HEREBY RESOLVED TO APPROVE THE AMENDMENT OF THE LRTA CY 2022 CORPORATE PLAN PLUS THREE (3) OUTYEARS.

IN WITNESS WHEREOF, I have hereunto affixed my signature this 26th day of May 2021 at Pasig City, Metro Manila.

ATTY. HERNANDO T. CABRERA
Corporate Secretary

SUBSCRIBED AND SWORN TO before me this 26th day of May 2021 at Pasig City, affiant exhibiting to me his Passport No. P3147053A issued at DFA, Manila on 24 May 2017.

Doc. No. 03
Page No. 17
Book No. 121A
Series of 2021.

ATTY. ELISEO S. CALMA, JR.
Notary Public for QUEZON CITY
Until December 31, 2021
PTR No. 0694702-Jan. 4, 2021
IBP Roll No. 50183
MCLE Compliance No. VI-0012817/9-19-2018
Adm. Matter No. NP-067 (2020-2021)

Address:

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website: www.lрта.gov.ph





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Page No. 17
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NOT VALID WITH ERASURES OR ALTERATIONS

LRTA
OFFICE OF THE CORPORATE SECRETARY

ATTY. HERNANDO T. CABRERA
CORPORATE SECRETARY

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REVISED ANNUAL CORPORATE PLAN FY2022-2025





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**THE REVISED CORPORATE
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OUTYEARS**

**MULTI-YEAR PROJECTS
CY 2021-FY2025**



APPROVAL OF THE FOLLOWING:

- ☐ Revised/amended Corporate Plan for FY 2022 and three (3) Out years (FY 2023-2025)
- ☐ Multi-Year Projects of LRTA for CY 2021 to FY2025 (as basis for the issuance of Certificate of Budgetary Inclusion)

- ❑ Congruence/alignment with the approved Revised Corporate Operating Budget for CY 2021 and the Budget Proposal for FY 2022 endorsed by the Executive Committee
 - Alignment with the classification of expenditures adopted in the Corporate Budget Proposal
 - Limited budget space
- ❑ Re-assessment of project implementation timelines



**SUMMARY OF MAJOR CHANGES/
AMENDMENTS IN THE CORPORATE PLAN
FY 2022 + OUT YEARS (FY 2023-2025)**

FY 2022 – TIER 2 PROPOSED PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION				
Program/ Project	2022	Total Project Cost	Year 2022 Target	2022	2023	Onward	TOTAL Project Cost	Year 2022 Target
Modification of 1.5 KV DC Positive Box	85,000	85,000.00	Project 100% completed by Dec 2022	42,500	42,500	-	85,000	Project 50% completed by Dec 2022
Systematic Replacement of Protection System for 1.5 KV DC High Speed Circuit Breaker	55,000	55,000.00	Project 100% completed by Dec 2022	27,500	27,500	-	55,000	Project 50% completed by Dec 2022
Upgrading of Train On-board Signaling System	812,000	812,000.00	Project 100% completed by Dec 2022	406,000	406,000	-	812,000	Project 50% completed by Dec 2022

FY 2022 – TIER 2 PROPOSED PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION				
Program/ Project	2022	Total Project Cost	Year 2022 Target	2022	2023	Onward	TOTAL Project Cost	Year 2022 Target
Acquisition and Integration of CCTV System with Facial Recognition Capability with the Existing Line 2 CCTV System	150,000	150,000	Project 100% completed by Dec 2022	75,000	75,000	-	150,000	Project 50% completed by Dec 2022
Upgrading and Replacement of Passenger Information Display (PID) System in LRTA Line 2	50,000	50,000	Project 100% completed by Dec 2022	25,000	25,000	-	50,000	Project 50% completed by Dec 2022
On-Board Video Monitoring with Mobility Technology for Trainsets	65,000	65,000	Project 100% completed by Dec 2022	32,500	32,500	-	65,000	Project 50% completed by Dec 2022

FY 2022 – TIER 1 ON-GOING PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION				
Program/ Project	2022	Total Project Cost	Year 2022 Target	2021	2022	Onward	TOTAL Project Cost	Year 2022 Target
Comprehensive Maintenance of Line 2 Conveyance System	20,844	36,474 (PY – 15,630 GOP-NG)	Project 100% completed by Dec 2022	9,119	6,514	108,128	130,275 (PY – 15,630 GOP-NG)	28.23% completed by Dec 2022
Systems Maintenance - Inventory Build-up (Continuing)	626,855	1,293,728.15 (PY-273,000 GOP-NG)	Required materials/ spare parts 100% procured by Dec 2022	283,436	626,583	1,817,424 (up to CY2025)	3,010,881 (PY-273,000 GOP-NG)	Required materials/ spare parts 100% procured by Dec 2022
Consulting Services for Mid-life Assessment of LRT 2 System	206,820	300,000 (PY-93,180 GOP-NG)	Project 100% completed by Dec 2022	93,180	73,486	133,333 (up to 2023)	300,000	Project 50% completed by Dec 2022

FY 2022 – TIER 1 ON-GOING PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION				
Program/ Project	2022	Total Project Cost	Year 2022 Target	2021	2022	Onward	TOTAL Project Cost	Year 2022 Target
Acquisition of Fourteen (14) New Trainsets	620,800	11,353,000 (PY-1,355,000 GOP-NG)	Project 15.49% completed by Dec 2022	553,000	1,101,800	9,377,200 (up to 2025)	11,032,000 (PY-874,000 GOP-NG)	Project 15% completed by Dec 2022
TOTAL	1,475,319	12,983,202		938,735	1,808,383	11,436,085	14,473,156	

RECLASSIFICATION: FY 2022 – TIER 2 PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION			
Program/ Project	2022	Total Project Cost	Year 2022 Target	2022	Onward	TOTAL Project Cost	Year 2022 Target
GENERAL ADMINISTRATION AND SUPPORT (GAS) General Maintenance and Supervision				OPERATIONS Operations and Maintenance Program			
LRTA Line 2 Depot General Repainting	25.000	25.000	Project 100% completed by Dec 2022	LRTA Line 2 Depot General Repainting	25.000	25.000	Project 100% completed by Dec 2022
TOTAL	25,000	25,000		TOTAL	25,000	25,000	

RECLASSIFICATION: FY 2022 – TIER 2 PROJECTS



PREVIOUS BOARD APPROVAL (P000)				THIS SUBMISSION (P000)			
Program/ Project	2022	Total Project Cost	Year 2022 Target	2022	Onward	TOTAL Project Cost	Year 2022 Target
SUPPORT TO OPERATIONS (STO)				GENERAL ADMINISTRATION AND SUPPORT (GAS) General Maintenance and Supervision			
Artificial Intelligence Project	25.000	25.000	Required systems procured/ installed by 4th qtr of 2022	Artificial Intelligence Project	25.000	25.000	Required systems procured/ installed by 4th qtr of 2022
Contactless Biometric Security Access and Control	17,000	17,000	Equipment operational by Dec 2022	Contactless Biometric Security Access and Control	17,000	17,000	Equipment operational by Dec 2022
TOTAL	42,000	42,000		TOTAL	42,000	42,000	

RECLASSIFICATION: FY 2022 – TIER 1 PROJECTS



PREVIOUS BOARD APPROVAL				THIS SUBMISSION			
Program/ Project	2022	Total Project Cost	Year 2022 Target	2022	Onward	TOTAL Project Cost	Year 2022 Target
SUPPORT TO OPERATIONS (STO) System and Processes Improvement Program				GENERAL ADMINISTRATION AND SUPPORT (GAS) General Maintenance and Supervision			
Cloud Systems Migration	3.500	3.500	Project 100% completed by Dec 2022	Cloud Systems Migration	3.500	3.500	Project 100% completed by Dec 2022
TOTAL	3.500	3.500		TOTAL	3.500	3.500	

COMPARATIVE SUBMISSIONS: FY 2022 – TIER 2 PROPOSED PROJECTS



PREXC	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/ (DECREASE) (P000)
GAS	25,000	42,000	17,000
STO	42,000	0	(42,000)
OPERATIONS	1,651,120	1,060,120	(616,000)
TOTAL	1,718,120	1,102,120	(616,000)

FUNDING SOURCES (In P000)			
	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/(DECREASE) (P000)
GOP-NG	1,718,000	1,102,000	(616,000)
ICG	120	120	0
TOTAL	1,718,120	1,102,120	(616,000)

COMPARATIVE SUBMISSIONS: FY 2022 – TIER 1 ONGOING PROJECTS



PREXC	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/ (DECREASE) (P000)
GAS	-	5,850	5,850
STO	5,850	0	(5,850)
OPERATIONS	2,872,319	3,205,383	333,064
TOTAL	2,878,169	3,211,233	333,064

FUNDING SOURCE (In P000)			
	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/(DECREASE) (P000)
GOP-NG	2,875,819	3,208,883	333,064
ICG	2,350	2,350	0
TOTAL	2,878,169	3,211,233	333,064

COMPARATIVE SUBMISSIONS FY 2022 – TIER 1 AND TIER 2 SUMMARY



	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/ (DECREASE) (P000)
TIER 1	2,878,169	3,211,233	333,064
TIER 2	1,718,120	1,102,120	(616,000)
TOTAL	4,596,289	4,313,353	(282,936)

FUNDING SOURCE (In P000)			
	PREVIOUS APPROVAL (In P000)	THIS SUBMISSION (In P000)	INCREASE/(DECREASE) (P000)
GOP-NG	4,593,819	4,310,883	(282,936)
ICG	2,470	2,470	0
TOTAL	4,596,289	4,313,353	(282,936)



THE REVISED CORPORATE PLAN (PROJECTS
COMPONENT), FY 2022 + OUT YEARS



2022 TIER 2 PROJECTS (PER PREXC)

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
1. GENERAL ADMINISTRATION AND SUPPORT (GAS)							
General Maintenance and Supervision							
Artificial Intelligence Project	25,000	25,000	-	50,000	GOP-NG 2022	Required systems procured/ installed by 4th qtr of 2022	KMITD
Contactless Biometric Security Access and Control	17,000		-	17,000	GOP-NG 2022	Equipment operational by Dec 2022	KMITD
GAS TOTAL	42,000	25,000		67,000			

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Operations and Maintenance Program							
LRTA Line 2 Depot General Repainting	25,000	-	-	25,000	GOP-NG 2022	Project 100% completed by Dec 2022	Administrative -AMD
Integrated Enterprise Rail Asset Management and Maintenance System (IERAMMS)	35,000	35,000		70,000	GOP-NG 2022	Required systems procured/installed by 4th qtr of 2022	KMITD, AMD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Operations and Maintenance Program							
Acquisition of Technical Service Provider to Conduct Wastewater Laboratory Analysis	120	120		240	IGF	Quarterly Wastewater Laboratory Analysis conducted by 2022	SSD
SUB-TOTAL	60,120	35,120		95,240			

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Modification of 1.5 KV DC Positive Box	42,500	42,500	-	85,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD
Systematic Replacement of Protection System for 1.5 KV DC High Speed Circuit Breaker	27,500	27,500	-	55,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Upgrading of Train On-board Signaling System	406,000	406,000	-	812,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD
Systematic Replacement of Rolling Stock Air-conditioning Units for Four (4) Trainsets	170,000	-	-	170,000	GOP-NG 2022	Project 100% completed by Dec 2022	RSISD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Acquisition and Integration of CCTV System with Facial Recognition Capability with the Existing Line 2 CCTV System	75,000	75,000	-	150,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD
Train-to-Ground-WIFI-Project	199,000	-	-	199,000	GOP-NG 2022	Wi-Fi technology operational in trains by 2022	KMITD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Upgrading and Replacement of Passenger Information Display (PID) System in LRTA Line 2	25,000	25,000	-	50,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD
On-Board Video Monitoring with Mobility Technology for Trainsets	32,500	32,500	-	65,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2022	2023	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Systematic Replacement of All Roll-up Grilles at Line 2 Stations	7,500	7,500	-	15,000	GOP-NG 2022	Project 50% completed by Dec 2022	RSISD
Supply of Labor and Materials for the Replacement of the New Roofing System of the Ten (10) LRT 2 Stations including the Recto Link Bridge and Santolan Pedestrian Overpass	15,000		-	15,000	GOP-NG 2022	Project 100% completed by Dec 2022	RSISD
SUB-TOTAL	1,000,000	616,000	-	1,616,000			
OPERATIONS TOTAL	1,060,120	651,120		1,711,240			



2022 TIER 1 PROJECTS (Per PREXC)

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2021	2022	Onward	TOTAL Project Cost			
1. GENERAL ADMINISTRATION AND SUPPORT (GAS)							
General Maintenance and Supervision							
Cloud Systems Migration	3,500	3,500	-	7,000	2021- CF 2022-NG	Project 100% completed by Dec 2022	KMITD
Annual Learning and Development Program/Activities	1,600	2,350	-	3,950	CF	Employees’ Competency Gaps in the identified field addressed and partnership with industry partners secured	Administ rative- HRMD
GAS TOTAL	5,100	5,850		10,950			

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2021	2022	Onward	TOTAL Project Cost			
2. Operations							
LRT Operations and Maintenance Program							
Comprehensive Maintenance of Line 2 Conveyance System	9,119	6,514	108,128	123,761	GOP-NG	28.23% completed by Dec 2022	RSISD
Business Continuity and Disaster Recovery System (BCDR)	15,000	15,000	-	30,000	GOP-NG	Required systems procured/ installed by 4th qtr of 2022	KMITD
IT Security Management System	15,000	15,000		30,000	GOP-NG		

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2021	2022	Onward	TOTAL Project Cost			
2. Operations							
LRT Operations and Maintenance Program							
Systems Maintenance - Inventory Build-up (Continuing)	283,436	626,583	1,817,424 <i>(up to CY2025)</i>	2,727,443	PY-273,000 GOP-NG	Required materials/ spare parts 100% procured by Dec 2022	RSISD
Supply, Installation, Delivery, Testing and Commissioning of Standby Generator Set at L2 Stations	36,000	19,000	-	55,000	GOP-NG	Project 100% completed by Dec 2022	RSISD
Human Resource Management System	3,500	11500	-	15,000	GOP-NG	Required systems procured/ installed by 4th qtr of 2022	ADMINIS TRATIVE
SUB-TOTAL	362,055	693,597	1,925,552	2,981,204			

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2021	2022	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Acquisition of Fourteen (14) New Trainsets	553,000	1,101,800	9,377,200 <i>(up to 2026)</i>	11,032,000	PY-874,000 GOP-NG	Project 15% completed by Dec 2022	RSISD
Supply, Installation, Delivery, Testing and Commissioning of Platform Screen Doors (PSD) For LRTA Line 2 Stations	195,000	1,067,000	-	1,262,000	GOP-NG	Project 100% completed by Dec 2022	RSISD

FY 2022 – TIER 1 ON-GOING PROJECTS

Program/ Project	Funding Requirement (Php in Thousands)				Funding Source	Year 2022 Target	Focal Office
	2021	2022	Onward	TOTAL Project Cost			
2. Operations							
Systems and Facilities Improvement, Rehabilitation and Modernization Program							
Upgrading of Train Propulsion System	161,500	269,500	-	431,000	PY-184,000 GOP-NG	Project 100% completed by Dec 2022	RSISD
Consulting Services for Mid-life Assessment of LRT 2 System	93,180	73,486	133,333 (up to 2023)	299,999	PY-93,180 GOP-NG	Project 50% completed by Dec 2022	RSISD
SUB-TOTAL	1,002,680	2,511,786	9,510,533	13,024,999			
OPERATIONS TOTAL	1,364,785	3,205,383	11,436,085	16,006,203			

FY 2022 – TIER 1 AND TIER 2 SUMMARY






This Submission	
TIER	Amount (Php in Thousand)
TIER 1	3,211,233
TIER 2	1,102,120
TOTAL	4,313,353

Funding Source	TIER 1	TIER 2	TOTAL
GOP-NG	3,208,883	1,102,000	4,310,883
ICG	2,350	120	2,470
TOTAL	3,211,233	1,102,120	4,313,353

Previous Approval	
TIER	Amount (Php in Thousand)
TIER 1	2,878,169
TIER 2	1,718,120
TOTAL	4,596,289

Funding Source	TIER 1	TIER 2	TOTAL
GOP-NG	2,875,819	1,718,000	4,593,939
ICG	2,350	120	2,470
TOTAL	2,878,169	1,718,120	4,596,289

LEGEND:

-  Reclassification within the same expenditure account
-  Reclassification of expenditure account to another account
-  Adjustment in cost allocation & targets



MULTI-YEAR PROJECTS
CY 2021-2025

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
GENERAL ADMINISTRATION AND SUPPORT					
	General Management and Supervision				
1	Cloud Systems Migration	The scope of the project covers the delivery, installation and configuration of the revenue line network, project management services, testing and commissioning. Cloud Computing is the dynamic provisioning of physical and virtual resources as services offered by providers to optimize performance and utilization of their resources. LRTA plans to employ email infrastructure, infrastructure as a service (IaaS), and Software as a Service (SaaS) deployment method to shift the internal information systems to the Cloud, thereby bringing the benefits of minimized IT Capex and information and data mobility.	7,000.00	2021-2022	Ongoing review of TOR
2	Artificial Intelligence Project	This project aims to ensure Data Governance is in place providing the analytical visibility to its stakeholders of all asset information such as Planning and Financial Intelligence, Situational intelligence, Operational intelligence and Asset intelligence for management decision support.	50,000.00	2022-2023	Ongoing review of TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
3	Contactless Biometric Security Access and Control	This project forms part of the LRTA's Plan to embark on a digital transformation program to improve its network and communication facilities. The scope of works covers the development of the system, delivery, installation, and configuration of the hardware and software as well as the provision of the required licenses and spare equipment. The project aims to ensure that no unauthorized personnel or person gains access to secured and controlled areas and to monitor movements of all persons within the LRTA's area of responsibility. Thus, it will substantially increase efficiency and effectivity in terms of security and control for a more secure environment.	17,000.00	2022	Ongoing review of TOR
4	Electronic Records and Documents Management System	This project is a software technology that enables the Authority to create/capture, manage/secure, store/retain/destroy, publish/distribute, search, personalize, and present/view/print digital content such as pictures/images, text reports, video, audio, transactional data catalog, codes etc. This system primarily focuses on the capture, storage, retrieval, and dissemination of digital files for enterprise use and their life-cycle management.	2,500.00	2021	Ongoing review of TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
5,	Systems Maintenance - Inventory Build-up	This project intends to procure various spare parts for the Line 2 systems' equipment and facilities. This for the replenishment of depleted spare parts stock and to build-up the inventory of vital parts needed to sustain the operation and maintenance of Line 2 system. Supply and Delivery of various spare parts of Line 2 System equipment and facilities. the succeeding year taking into consideration the lead time for manufacturing and shipment.	3,010,881.0	2021-2025	For finalization of various PRs
6	Business Continuity and Disaster Recovery System (BCDR)	The Project forms part of the Authority's risk management solution for business interruption threats due to external and/or internal factors. The project aims to address the LRTA's need for a disaster recovery data center that provides ICT equipment, internet and co-location services, which can deliver the peculiar and unique needs of the LRTA's operating units. It also serves as a protection or alternative mode of operation for those activities or business processes which, if they were to be interrupted, might otherwise bring about a seriously damaging or potentially fatal loss to the Authority. The BCDR Facility also provides backup, mirror both sites, and operates when the primary data center goes down.	30,000.00	2021-2022	PR submitted to Procurement Division. Procurement processs is on-hold, awaiting for the response from the DICT to the communication letter sent by the LRTA Administrator addressed to Sec. Gregorio B. Honasan II (DICT) dated Feb 17 requesting for Clearance to Purchase ICT Equipment from LRTA's ISSP CY2021-2023 which was received by DICT Central Receiving Unit on Feb. 26, 2021
7	IT Security and Management System	It involves the delivery, installation, configuration of IT Security System Software that would be running on the computer system, to be monitored, which can send the log information to a centralized server acting as a security console. It consists of process and technologies that would enable the Authority to protect the data and information and knowledge assets against internal and external threats, intentional or otherwise. it will typically display reports, charts and graphs of the information, which could be in real time, and provides signal for appropriate action	30,000.00	2021-2022	

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
8	Upgrade and Replacement of Revenue Line Local Area Network (LAN)	The Project shall replace the obsolete active network components at the Revenue line composed of fifteen (15) network switches and data cabinets. It will procure twenty (20) new network switches and twenty Wifi (20) Access points for all the existing fifteen (15) stations including the additional two (2) extension stations. This project also includes spares for all equipment in cases of breakdowns and/or equipment failures.	5,000.00	2021	Ongoing review of TOR
9	Human Resource Management System (HRMS)	<p>The Human Resource Management Division of the LRTA, recognizing the need to adapt new technologies that cover COVID-19 safety measures, as well as essentially automating its entire process using a Human Resource Management System, aligned with the PRIME-HRM of Civil Service Commission, seeks to take the next step in HRD management.</p> <p>This project aims not just to optimize efficiency in HR Management, but covers the maintenance of personnel health and safety, while complying with time and attendance processes, as well as activities relating to leave management, payroll preparation, sending of notices and reports. All these, while leading to maintain the Agency's Civil Service Prime HR Level III accreditation.</p>	15,000.00	2021-2022	TOR approved.
10	Integrated Enterprise Rail Asset Management and Maintenance System (IERAMMS)	This project involves digitizing existing processes specifically the integration of various processes such as Incident Management, Maintenance Management, Warehouse Inventory and Procurement of necessary parts and equipment. It aims to provide an Asset Management Framework and Strategy that will ensure efficient rail transport service.	70,000.00	2022-2023	Ongoing review of TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
11	Supply, Installation, Delivery, Testing and Commissioning of Standby Generator Set at Station	This project covers the delivery, installation, testing and commissioning of ten (10) sets of stand-by generator sets at the line 2 stations, including gas/diesel tank. The proposal is to provide continuous power supply at the stations in the event the AC power supply from RSS is cut-off.	55,000.00	2021-2022	For approval of TOR
12	LRTA Line 2 Depot General Repainting	This project aims to preserve and improve over-all structure of depot buildings by protecting them from the adverse impact of atmospheric action such as oxidation and corrosion. It will also provide a conducive working environment and an aesthetic appeal for the LRTA Line 2 Depot	25,000.00	2022	For approval of TOR
13	Comprehensive Maintenance of Line 2 Conveyance System	This project aims to sustain the equipment availability and reliability for the satisfaction of the riding public by properly maintaining the conveyance system. This will also ensure Compliance with BP344 (Accessibility Law) and RA 7277 for the convenience of the riding public especially the senior citizens, pregnant women and passenger with disability (PWD). The project covers the supply of all labor, materials and equipment, and spare parts for the comprehensive maintenance of the conveyance system.			TOR approved
	a) 32 Elevators and 13 Escalators		78,165.00	2021-2026	
	b) 45 Escalators		52,110.00	2023-2026	

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
Systems and Facilities Improvement, Rehabilitation and Modernization Program					
14	Acquisition of Fourteen (14) New Trainsets	This is a multi-year project that includes consulting services for the design, delivery, testing, and commissioning of fourteen (14) brand new trainsets with complete onboard signaling and communication equipment in anticipation of the operation of the Line 2 East Extension Project.	11,032,000.00	2022-2026	Ongoing preparation of documents required by the NEDA-ICC. From the total CY2018 allocation of P1,034M, P481M was reallocated to support the agency's budget deficit.
	Consulting Services for the Acquisition of Fourteen (14) New Trainsets	This Project intends to replace the (4) four heavily defective trainsets and an additional (10) ten new trainsets to meet the systems requirement for the Line 2 East Extension thus will increase the train availability, capacity and improve its headway as well as enable flexibility in the scheduling of rolling stock maintenance to meet customer requirements and expectations for a safe, fast and reliable LRT service. The Project will also employ the services of a Consultant for efficient and effective procurement as well as its implementation.	321,000.00	2021-2027	Shortlisted Bidders for Consulting Services: 1. Perconsult International-One Town CVBA JV; 2. Systra Philippines Incorporated (SPI) - Systra S.A., and; JV 3. TUV Rheinland Philippines, Inc. Procurement processes was on-hold prior to the approval of NEDA-ICC.
15	Supply, Installation, Delivery, Testing and Commissioning of Platform Screen Door (PSD) For LRTA Line 2 Stations	The PSD was intended to enhance commuter safety by providing barriers between the platform and tracks, which will prevent unauthorized entry and minimize service disruption due to unauthorized intrusion, prevent accidental falling of passengers from the platform including any suicide attempts, prevent or reduce wind pressure brought by incoming trains, and prevent accumulation of fire hazard materials on the track area. The project covers the supply, delivery, installation and commissioning of the PSD system covering all existing stations including the Emerald and Masing Station.	1,262,000.00	2021-2022	TOR for approval. With funding allocation through GAA 2020 amounting to P664.0M. However the said amount was offered to DOF/DBM for discontinuance in accordance to the National Budget Circular No.584

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
16	Systematic Replacement of Rolling Stock Air-conditioning Units for Four (4) Trainsets	This covers the replacement of the air-conditioning units of RS, which are using an ozone depleting R-22 refrigerant and operating beyond their economical service life, in compliance with RA 8749 or the Clean Air Act of 1999. The project aims to ensure system reliability by providing the required room temperature to various electronic equipment/ components of trainsets and significantly enhance passengers' convenience/experience.	170,000.00	2022	TOR approved. With funding allocation through GAA 2020 amounting to P170.0M. However, the said allocation was offered to DOF/DBM for discontinuance in accordance to the National Budget Circular No.584.
17	Upgrading of Train Propulsion System	The Project covers the supply, delivery, testing and commissioning for the systematic replacement of train propulsion system for seven trainsets. The existing propulsion system is already obsolete and the project aims to provide an upgraded version for the continuous provision of safe and reliable operational trainsets for the LRT Line 2 System	615,000.00	2021-2022	For pre-procurement
18	On-Board Video Monitoring with Mobility Technology for Trainsets	The project covers the decommissioning, supply, delivery, installation, testing, and commissioning of On-Board Video Monitoring for Trainsets. This project intends to respond to the need to secure the critical areas from any unforeseen incident or individuals deemed as threat to the facility's functional operations and general security.	65,000.00	2022-2023	For finalization of TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
19	Acquisition of Rescue and Emergency Road/Rail Vehicle	The project covers the supply, delivery, testing, and commissioning of one (1) unit of Rescue and Emergency Vehicle with Road and Rail Capability. This project intends to procure a dedicated rescue and emergency vehicle which will be employed during an accident and/or derailment. The vehicle can also be used for hauling purposes to maximize its capability. The project aims to enhance the safety and security of the riding public and LRTA Personnel in the revenue line as well.	65,000.00	2022	Procurement Stage: Scheduled for Submission and Opening of Bids
20	Modification of 1.5 KV DC Positive Box	This project involves the replacement of all positive boxes with disconnect switch option that will serve as the isolator for the 1.5kV feeder system, adopting the design that was implemented on the Line 2 East Extension. The previous fire incidences on the positive box are most likely the weak points on the DC feeder system. Thus, the project aims to ensure the reliability and the provision of safe power supply with complete protection of DC Power Supply Network System.	85,000.00	2022-2023	For finalization of TOR
21	Systematic Replacement of Protection System for 1.5 KV DC High Speed Circuit Breaker	This project involves the supply, delivery, installation, testing, and commissioning for the replacement of the DC Protection Relay System. It aims to replace the existing SITRAS Relay that is already obsolete and experiencing defects on its sub-components. This aims to ensure a reliable power supply for the LRT Line 2 System.	55,000.00	2022-2023	For finalization of TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
22	Upgrading of Train On-board Signaling System	The Project will replace the existing onboard signaling system for fourteen (14) trainsets. Due to the difficulties in parts management caused by the obsolescence of its components, it is more practical and beneficial to the system to upgrade and replace the trains' signaling system. This will ensure the reliability of the system and significantly enhance the safety and security of the riding public.	812,000.00	2022-2023	For finalization of TOR
23	Acquisition and Integration of CCTV System with Facial Recognition Capability with the Existing Line 2 CCTV System	This involves the acquisition of additional CCTV with Facial Recognition Capability to proactively apprehend local and globally identified criminals. It aims to enhance the overall safety of people and security of LRTA facilities as the LRT is one of the major threat areas by terrorists to cause destruction to expensive government assets and compacted populated zones.	150,000.00	2022-2023	For finalization of TOR
24	Train-to-Ground-Wifi-Project	The project aims to provide Wifi – technology traditionally used on rail carriages. It involves the installation of multiple Wireless Access Points (WAPs) along the train and in the stations and tracks in order to provide complete coverage. The WAPs then use Radio networks, in order to provide complete, uninterrupted coverage throughout the journey, even when through tunnels.	199,000.00	2022	Ongoing review of the TOR

MULTI-YEAR PROJECTS CY 2021-2025

ITEM NO.	PROGRAM / PROJECT TITLE	PROJECT DESCRIPTION	PROJECT COST	PROJECT TIMELINE	STATUS as of March 24, 2021
25	Upgrading and Replacement of Passenger Information Display (PID) System in LRTA Line 2	The project covers the decommissioning, supply, delivery, installation, testing, and commissioning for the upgrading and replacement of the PID System for the LRT Line 2 System. This project intends to provide the riding public with real time information such as train schedule, announcements, safety information, and other relevant information or messages for passengers along the LRT Line 2 revenue line.	50,000.00	2022-2023	For finalization of TOR
26	Systematic Replacement of All Roll-up Grilles at Line 2 Stations	The project covers the decommissioning, supply, delivery, installation, testing, and commissioning of Roll-Up Grilles at LRT Line 2 Stations. It aims to improve the safety and security of station facilities, equipment, and the riding public as well.	15,000.00	2022-2023	For finalization of TOR
27	Supply of Labor and Materials for the Replacement of the New Roofing System of the Ten (10) LRT 2 Stations including the Recto Link Bridge and Santolan Pedestrian Overpass	The project will replace the existing polycarbonate roofing at all stations except Katipunan station. Likewise, the polycarbonate roofing system at the Recto link bridge and Santolan overpass will be replaced. The existing polycarbonate will be replaced with more durable and long lasting skylight roofing system.	15,000.00	2022	For finalization of TOR
28	Consulting Services for Mid-life Assessment of LRT 2 System	The project will procure the services of Consultants with expertise in system assessment of rail system, particularly the electromechanical system in order to guide LRTA in assessing the future initiatives in terms of either replacing the ageing equipment or continue sustaining through parts replacement and other asset management strategies.	300,000.00	2022-2023	For finalization of TOR
TOTAL PROJECT COST			18,658,655.99		

Note: The procurement process for all ICT-related projects will be on-hold pending approval of the LRTA's ISSP 2021-2023 by the DICT



THANK YOU...



I, HERNANDO T. CABRERA, of legal age, Filipino and with address at the LRTA Line 2 Depot, Marcos Highway Santolan, Pasig City, after having been duly sworn in accordance with law, do hereby depose and say that:

That I am the duly appointed and constituted Corporate Board Secretary of the Light Rail Transit Authority, LRTA for brevity, a government owned and controlled corporation with principal address at the LRTA Line 2 Depot, Marcos Highway, Santolan, Pasig City;

That as such Corporate Secretary, I keep minutes and records of the transactions and meetings of the members of the Board of Directors of LRTA;

That on 19 February 2021, the Board of Directors of LRTA held meeting via ZOOM Teleconference;

That during the aforesaid meeting in which there was a quorum, the Board passed and approved the following:

RESOLVED AS IT IS HEREBY RESOLVED TO APPROVE THE LRTA CORPORATE PLANS FOR CY 2022 PLUS THREE (3) OUT YEARS CY 2023-2025.

IN WITNESS WHEREOF, I have hereunto affixed my signature this 2nd day of March 2021 at Pasig City, Metro Manila.

ATTY. HERNANDO T. CABRERA
Corporate Secretary

SUBSCRIBED AND SWORN TO before me 2nd day of March 2021 at Pasig City, affiant exhibiting to me his Passport No. P3147053A issued at DFA, Manila on 24 May 2017.

Doc. No. 347
Page No. 69
Book No. 57
Series of 2021.

ATTY. ELISEO S. CALMA JR.
NOTARY PUBLIC

Until December 31, 2021

PTR No. 5694702-D, Jan. 4, 2021

IBF No. 041036, Jan. 4, 2021

Adm. Matter No. MP-067

MOLE CASE NO. 2021-2 DATE APR 14, 2022

Address:

Line 2 Depot, Marcos Highway, Santolan, Pasig City, M.M., Philippines

Trunkline: 6473479 / 6473481 / 6473484 / 6473485 / 6473487

website: www.lrta.gov.ph





ANNUAL CORPORATE PLAN CY2022-2025





CONTENTS

- ◀ STRATEGY MAP
- ◀ OBJECTIVES
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- ◀ ASSUMPTIONS
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- ◀ PROGRAMS & PROJECTS
- ◀ WAY FORWARD

STRATEGY MAP



Light Rail Transit
Authority

MISSION

To enhance people mobility and provide world class light rail transport system that are sensitive, inclusive and committed to service excellence

Themes:

Service Excellence

Operational Excellence

Organizational
Excellence

VISION

We are the leader and expert in urban rail systems that support development in growth areas and provide exceptional travel experience by 2030

SOCIAL
IMPACT

SO1: Increased Passenger mobility and reduced commuter time, increase productivity

CUSTOMERS &
STAKE-
HOLDERS

SO2: Sustain Customer Satisfaction

SO3: Address increasing demands through existing lines and new ones

INTERNAL
PROCESS

SO4: Ensure delivery of excellent performance by the Private Concessionaire at all times

SO5: Improved efficiency and reliability of LRT systems and processes

FINANCIAL

SO6: Sustainability of Financial condition

LEARNING &
GROWTH

SO7: Achieve systems competency and expertise

CORE VALUES: Resilience | Integrity | Professionalism | Excellence



1. Improve Reliability of LRT Systems

Continually improve the delivery of services to the LRT commuters and stakeholders by ensuring the following:

- ✓ promotion of people's health, safety, and security in the LRT systems
- ✓ preservation of assets, rehabilitation, upgrading of LRT systems, facilities and equipment
- ✓ extension/expansion of its existing lines as well as the
- ✓ availability of funds to implement the planned programs, projects and activities (P/P/A)





2. Improve Business Process Efficiency

- Strengthen development capacities for non-rail business ventures to augment farebox revenues
- Strengthen LRTA's organizational structure and continual improvement of internal processes to enable the Authority to manage the various challenges under the "new normal" environment
- Reinforce LRTA's overall corporate position in the railway sector through the establishment of partnerships and alliances within and outside the country





3. Achieve Railway System Expertise

- Strengthen LRTA's Research and Development capability and further hone existing capabilities.
- Provide capacity building services in the Railway Sector particularly Basic Train Driving Skills Training and other skills requirements in the railway sector through the LRTA's Philippine Railway Training Center (PRTC)



THRUST AND PRIORITIES



1

Continued provision of safe, secure, responsive and reliable Light Rail Transit (LRT) Services in LRTA-owned and managed LRT Systems.



2

Establish measures and processes that are responsive to the post-pandemic world.



3

Implementation of the Strategic Maintenance Plan including the strategic procurement of spare parts.



4

Development of Business Plans/Ventures for Future Business Diversification.



5

Strengthening LRTA's competencies through Human Resource Capability Building Programs.



6

Institutional restructuring and overall improvement of corporate efficiency and governance.



7

Development and maintenance of linkages, partnerships and strategic alliances with local and foreign institutions/development partners.



MILESTONES (2021- 2025)

- Resumption of operations for Santolan- Anonas stations (Jan 22,2021)
- Assumed operations of two (2) additional stations under Line 2 East Extension Project (Apr 26,2021)
- Partial operation of two (2) additional stations under Line 1 South Extension Project (Dec2021)

2021

- Nine (9) trains running commercial operation from Jan to June and twelve (12) from July to Dec 2022
- Launching of the Rolling Stock Innovation Laboratory Project by the 2nd qtr of 2022
- Legislation of the 30-year roadmap projects initiated by DOTr by 2022 with LRTA projects covering the first 10 years

2022

- Twelve (12) trains running commercial operation from Jan to September 2023 and Nineteen (19) trains from October to December 2023
- Partial operation of five (5) additional stations (Redemptorist to Dr. Santos) under Line 1 South Extension Project (Oct 2023)

2023

- Twenty-two (22) trains running commercial operation Jan to June 2024 and twenty-eight (28) from July to December 2024

2024

- Twenty-eight (28) trains running commercial operation Jan to December 2025
- Completion of Line 2 West Extension Project (Aug 2025)

2025





ASSUMPTIONS

1. Line 2 East Extension will be operational by the 2nd Quarter of 2021 (April)
2. Construction of viaduct and Stations (including Utility Relocation) and EMS and Design, delivery and Commissioning (Rolling Stock) of Line 2 West Extension Project targeted to complete by August 2025 (including 1 year DLP)
3. New Normal Guidelines are in place
4. National Government subsidy to be requested for operating (deficit from internally-generated funds) and capital expenditures
5. National Government continues to subsidize fares
6. Acquisition of (14) new trainsets by 4th Quarter 2024
7. Consulting Services for Mid-life Assessment and Structural Integrity Study of LRT Line 2 completed by 3rd Quarter 2023

8. Line 2 LRTA right-sizing/restructuring by phase to commence in 2021 and completed by 2026 in line with the full operation of Line 2 from Masinag to Port Area and LRTA's pursuit of additional new roles/functions:
 - a) Concession Monitoring of Line 1 and future LRT/MRT lines adopting a revised Concession Monitoring setup from that of the CMA with LRMC
 - b) Overall Management and Operation of Line 2 including its AFCS
 - c) Project/ Business Planning and Research & Development
 - d) Project Management
 - e) Industry certifications (combined QMS and occupational health and safety by 2022-2023, railways trainings as PRTC and other ancillary roles
 - f) Management and Operation of Cable Car System
9. Launching of the Rolling Stock Innovation Laboratory Project by the 2nd quarter of 2022. Grant of Technical Assistance by the Development Academy for the Rolling Stock Innovation Laboratory Project BY 2022
10. Macro-Economic Indicators: Inflation Rate for FYs 2023-2024 is at 3% (Source: DBBC Dec.3 2020). Exchange Rate : US\$1=PhP 50.50

RAIL AND NON-RAIL REVENUES PROJECTION



RIDERSHIP, RAIL REVENUE AND NON-RAIL REVENUE PROJECTION



	Baseline 2020	2021	2022	2023	2024	2025	TOTAL
Ridership	12,502,315	12,675,814	21,155,580	95,022,180	161,424,900	168,745,320	471,526,109
		Ave. Fare P 20.76	Ave. Fare P 20.76	Ave. Fare P 22.17	Ave. Fare P 23.36	Ave. Fare P 24.55	
Rail Revenue (PhP)	216,113,005.00	263,149,898.64	439,189,840.80	2,106,641,730.60	3,770,885,664.00	4,142,697,606.00	10,938,677,745.04
Non-Rail Revenue (PhP)	74,125,329.05	80,655,063.51	112,992,388.11	118,642,007.52	124,574,107.91	130,802,813.33	641,791,709.43
TOTAL	290,238,334.05	343,804,962.15	552,182,228.91	2,225,283,738.12	3,895,459,771.91	4,273,500,419.33	11,580,469,454.47

Note: Mar 17-May 31, 2020 no operation due to ECQ; Aug-4-18, 2020-MECQ Oct 8, 2020; Fire incident at Santolan Station stop operation from 5:10am-2:21pm

Assumption for 2021 Ridership Projection:

1. *Approved max. no. of passengers per train set **at 274 (0.5 meter apart)** in November*
2. *Five (5) trains running commercial operation from Jan to June and Nine (9) trains from July to December*
3. *Starting January 22, 2021, Anonas, Katipunan and Santolan stations already in operation*
4. *Assumed Line 2 East Extension – **two (2) stations operational by April 2021***
5. *Schools in NCR are not allowed to conduct face –to-face classroom session with students until Dec 2021*

Assumption for 2022 Ridership Projection:

1. *Jan to December 2022 still in Community Quarantine with strict social distancing (0.5 m apart) at **274 passengers per train set***
2. *Nine (9) trains running commercial operation from Jan to June and twelve (12) from July to December 2022.*
3. *Schools in NCR are not allowed to conduct face –to-face classroom session with students until Dec 2022*

NON-RAIL REVENUE PROJECTION DETAILS 2021-2025



Php in Millions

Business Activity	2021 (Annual-Baseline)	2022 (with 5% escalation)	2023 (with 5% escalation)	2024 (with 5% escalation)	2025 (with 5% escalation)
Advertising	9,567,757.41	25,412,725.17	26,683,361.44	28,017,529.52	29,418,405.99
Commercial Spaces	0.00	12,053,446.14	12,656,118.45	13,288,924.37	13,953,370.59
Land Lease	42,656,338.86	45,996,767.21	48,296,605.57	50,711,435.85	53,247,007.66
Interconnection	394,493.16	414,217.82	434,928.71	456,675.15	479,508.91
Right of Way/TELCO	28,036,474.08	29,115,231.77	30,570,993.35	32,099,543.02	33,704,520.18
TOTAL	80,655,063.51	112,992,388.11	118,642,007.52	124,574,107.91	130,802,813.33

Assumptions:

1. Non-rail Revenue Contracts are assumed to signify renewal by 2021 and onwards
2. Monthly Lease Rate for All Contracts except commercial spaces will be in full amount by 2022 and onwards
3. Lease rate for Commercial Spaces will be fifty percent (50%) of their total monthly rental rate by 2022 and onwards
4. All Contract Amounts are subject to a five percent (5%) escalation rate by 2022 and onwards





PROGRAMS AND PROJECTS



FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Time line	Focal Unit
1. GENERAL ADMINISTRATION AND SUPPORT (GAS)						
1.1 General Maintenance and Supervision						
1.1.1 LRTA Line 2 Depot General Repainting	25,000.00	25,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	Administrative
GAS TOTAL	25,000.00	25,000.00				

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Time line	Focal Unit
2. SUPPORT TO OPERATIONS (STO)						
2.1 System and Processes Improvement Program						
2.1.1 Artificial Intelligence Project (Multi-year project)	50,000.00	25,000.00	GOP-NG	Required systems procured/install ed by 4th qtr of 2022	2022 - 2023	KMITD
2.1.2 Contactless Biometric Security Access and Control	17,000.00	17,000.00	GOP-NG	Equipment usable by Dec 2022	2022	KMITD
STO TOTAL	67,000.00	42,000.00				

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost <i>(Php in Thousands)</i>	Amount <i>(Php in Thousands)</i>	Funding Source	Year 2022 Targets	Timeline	Focal Unit
3. Operations						
3.1. LRT Operations and Maintenance Program						
3.1.1 Integrated Enterprise Rail Asset Management and Maintenance System (IERAMMS) <i>(Multi-year project)</i>	70,000.00	35,000.00	GOP-NG	Required systems procured/installed by 4th qtr of 2022	2022-2023	KMITD, AMD
3.1.2 Acquisition of Technical Service Provider to Conduct Wastewater Laboratory Analysis <i>(Multi-year project)</i>	663.00	120.00	ICG	Quarterly Wastewater Laboratory Analysis conducted by 2022	2022-2026	SSD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeline	Focal Unit
3. Operations						
3.2. Systems and Facilities Improvement, Rehabilitation and Modernization Program						
3.2.1 Modification of 1.5 KV DC Positive Box	85,000.00	85,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.2 Systematic Replacement of Protection System for 1.5 KV DC High Speed Circuit Breaker	55,000.00	55,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.3 Upgrading of Train On-board Signaling System	812,000.00	812,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.4 Systematic Replacement of Rolling Stock Air-conditioning Units for Four (4) Trainsets	170,000.00	170,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeli ne	Focal Unit
3. Operations						
3.2. Systems and Facilities Improvement, Rehabilitation and Modernization Program						
3.2.5 Acquisition and Integration of CCTV System with Facial Recognition Capability with the Existing Line 2 CCTV System	150,000.00	150,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.6 Train-to-Ground-Wifi-Project	199,000.00	199,000.00	GOP-NG	Wi-fi technology usable in trains by 2022	2022	KMITD
3.2.7 Upgrading and Replacement of Passenger Information Display (PID) System in LRTA Line 2	50,000.00	50,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD

FY 2022 – TIER 2 PROPOSED PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeline	Focal Unit
3. Operations						
3.2. Systems and Facilities Improvement, Rehabilitation and Modernization Program						
3.2.8 On-Board Video Monitoring with Mobility Technology for Trainsets	65,000.00	65,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.9 Systematic Replacement of All Roll-up Grilles at Line 2 Stations	15,000.00	15,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
3.2.10 Supply of Labor and Materials for the Replacement of the New Roofing System of the Ten (10) LRT 2 Stations including the Recto Link Bridge and Santolan Pedestrian Overpass	15,000.00	15,000.00	GOP-NG	Project 100% completed by Dec 2022	2022	RSISD
OPERATIONS TOTAL	1,686,663.00	1,651,120.00				

FY 2022 – TIER 2 PROPOSED PROJECTS



PREXC	AMOUNT in Php Thousands
GAS	25,000.00
STO	42,000.00
OPERATIONS	1,651,120.00
TOTAL	1,718,120.00

Funding Source	AMOUNT in Php Thousands
GOP-NG	1,718,000.00
ICG	120.00
TOTAL	1,718,120.00

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeline	Focal Unit
1. SUPPORT TO OPERATIONS (STO)						
1.1 System and Processes Improvement Program						
1.1.1 Cloud Systems Migration	3,500.00	3,500.00	GOP-NG	Project 100% completed by Dec 2022	2021-2022	KMITD
1.2 Railway Systems and Knowledge Development Program						
1.2.1 Annual Learning and Development Program/Activities	2,350.00	2,350.00	ICG	Employees' Competency Gaps in the identified field addressed and partnership with industry partners secured	2022	ADMIN-HRMD
STO TOTAL	5,850.00	5,850.00				

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeli ne	Focal Unit
2. Operations						
2.1. LRT Operations and Maintenance Program						
2.1.1 Comprehensive Maintenance of Line 2 Conveyance System	36,474.00	20,844.00	GOP-NG	Project 100% completed by Dec 2022	2021-2022	RSISD
2.1.2 Systems Maintenance - Inventory Build-up (Continuing)	1,293,728.15	626,855.15	GOP-NG	Required materials/spare parts 100% procured by Dec 2022	2021	RSISD
2.1.3 Supply, Installation, Delivery, Testing and Commissioning of Standby Generator Set at Station	55,500.00	19,000.00	GOP-NG	Project 100% completed by Dec 2022	2021-2022	RSISD

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeline	Focal Unit
2. Operations						
2.2. Systems and Facilities Improvement, Rehabilitation and Modernization Program						
2.2.1 Consulting Services for Mid-life Assessment of LRT 2 System (Multi-year project)	300,000.00	206,820.00	GOP-NG	Project 100.00% completed by Dec 2022	2021-2023	RSISD
2.2.2 Acquisition of Fourteen (14) New Trainsets (Multi-year project)	11,353,000.00	620,800.00	GOP-NG	Project 15.49% completed by Dec 2022	2021-2027	RSISD
2.2.3 Supply, Installation, Delivery, Testing And Commissioning Of Platform Screen Door (PSD) For LRTA Line 2 Stations (Multi-year project)	1,262,000.00	1,067,000.00	GOP-NG	Project 100% completed by Dec 2022	2021-2022	RSISD

FY 2022 – TIER 1 ON-GOING PROJECTS



Program/ Project	Total Project Cost (Php in Thousands)	Amount (Php in Thousands)	Funding Source	Year 2022 Targets	Timeline	Focal Unit
2. Operations						
2.2. Systems and Facilities Improvement, Rehabilitation and Modernization Program						
2.2.4 Upgrading of Train Propulsion System <i>Multi-year project with total cost of Php615M</i>	615,000.00	269,500.00	GOP-NG	Project 100.00% completed by Dec 2022	2021-2023	RSISD
2.2.5 IT Systems and Facilities Improvement a) <i>Business Continuity and Disaster Recovery System (BDCR)- P15M</i> b) <i>IT Security Management System-P15M</i> c) <i>Human Resource Management System (HRMS)-P11.5M</i>	75,000.00	41,500.00	GOP-NG	Required systems procured/installed by 4th qtr of 2022	2021-2022	RSISD
OPERATIONS TOTAL	14,990,702.12	2,872,319.15				

FY 2022 – TIER 1 ON-GOING PROJECTS



PREXC	AMOUNT in Php Thousands
GAS	-
STO	5,850.00
OPERATIONS	2,872,319.15
TOTAL	2,878,169.15

Funding Source	AMOUNT in Php Thousands
GOP-NG	2,875,819.15
ICG	2,350.00
TOTAL	2,878,169.15

FY 2022 TOTAL PROJECTS



<i>Php in Thousand</i>	FY 2022		
	TIER 1	TIER 2	TOTAL
GAS	-	25,000.00	25,000.00
STO	5,850.00	42,000.00	47,850.00
OPERATIONS	2,872,319.15	1,651,120.00	4,523,439.15
TOTAL	2,878,169.15	1,718,120.00	4,596,289.15

<i>Php in Thousand</i>	FY 2022		
	TIER 1	TIER 2	TOTAL
GOP-NG	2,875,819.15	1,718,000.00	4,593,939.15
ICG	2,350.00	120.00	2,470.00
TOTAL	2,878,169.15	1,718,120.00	4,596,289.15



WAY FORWARD



- Strengthen Risk Management System
- Pursue initiatives that strengthen operational efficiency under the “New Normal” condition such as investing on Information and Communication Technology and Digitization; health, safety, security equipment; and processes among others.
- Initiate action plans for the strengthening of the organizational structure and emergency quick response mechanisms
- Continue to develop and train Project Managers, Detailed Engineering Design Experts; adopt New Civil Works/ Construction Technologies and Techniques, Systems Safety Audit, Project Planning and Development, and Concession Agreement/ Contract Management.

WAY FORWARD



- Conduct preparatory activities such as the preparation of feasibility studies for the Research and Development activities for the localization of parts, transport-based and/or cloud-based ticketing management, implementation of new business ventures, etc.
- Create LRT Operations and Maintenance Project Team to prepare the documentation and other requirements for the proposed bidding participation in any LRT Operations and Maintenance Project and/or Consulting Services (local and international)
- Request the DOTr to assign/ handover to LRTA the construction, operation and maintenance of future LRT Lines as well as the use of the PRTC for the training of new train operators for all LRT/MRT lines
- Cross-functional Learning/Skilling - Train operation and non-operation staff on train driving and other core operational services

WAY FORWARD



THANK YOU



COMPLETED REHABILITATION PROJECTS (in 2020)

PROJECT	STATUS
1. Restoration of Fiber Optic Cable Communication Backbone at LRTA Line 2	Completed on January 26, 2020
2. Systematic Replacement of Compressor Motor Control Unity (CMCU)	Completed on June 3, 2020
3. Restoration of Damage/ Burnt CableTrays, Walkways and other Appurtenances near OCS Pole 370 (between Anonas and Katipunan Stations)	Completed on June 29, 2020
4. Installation of Overhead Catenary System (OCS) Lightning Protection System- Phase II	Completed on October 20, 2020
5. Acquisition of Rail Grinding Machine (Equipped with Airconditioning Control Cab)	Completed on December 7, 2020

Total Number of Projects Completed from 2012 to date is 52

ON-GOING REHABILITATION PROJECTS PHYSICAL ACCOMPLISHMENT

As of *December 2020*

Project Title	Target Completion Date	% completion to date
1.Improvement of Line 2 Depot Offices	Mar 2020	86.38%
2.Repair of Unbonded Concrete Plinths of LRTA Line 2 Mainline - Phase 2	Jul 2019	55.00%
3.Supply, Delivery, Testing and Commissioning of OCS Truck	Sep 2019	Delivered
4.System Maintenance Inventory Build-up	Jul 2021	37.00%
5.Restoration & Upgrading of Power Cables at Depot Stabling and Pureza Area	Oct 2020	100.00%
6.Rehabilitation of Fire Detection and Alarm System and Fire Suppression System	Nov 2019	96.00%
7.Design and Build for the Improvement of Line 2 Stations and Facilities Project	Jul 2021	85.00%
8. Acquisition of Rolling Stock Diagnostic Tools and Equipment	Jan 2019	89.00%
9. Construction / Installation of Train Lift System	Nov 2019	88.00%
10.Replacement of Forty Five (45) Escalator Units at Mainline Stations	Oct 2020	85.02%
11.Upgrading of Wheel Lathe Machine	Dec 2019	100.00%
12.Construction of Materials and Recovery Facility (MRF) at LRTA Line 2 Depot	Dec 2019	83.70%
13.Upgrade of Exiting ICT Structure	-	100.00%
14.Replacement of Communication Link and Upgrading of Interlocking Module of Line 2 Signaling System - Parts 1 & 2	Sep 2020	12.00%
15.Construction of Water Treatment Facility	Mar 2021	92.00%
16.Supply, Delivery, Installation, Testing and Commissioning of Uninterruptible Power Supply System (UPS)	Nov 2020	75.00%
17.Replacement of Precision Air Conditioning System at Depot	May 2021	22.56%
18.Consultancy Services for Structural Investigation and Related Works of LRT Lines 1 and 2	May 2021	58.42%
19.Improvement/ Extension of Philippine Railway Training Center (PRTC) Training Room/ Office at LRTA Line 2	Dec 2020	50.00%
20.Consulting Services for the Restoration of various Line 2 System Equipment damaged by the fire	May 2022	18.00%
21.Restoration of Rectifier Sub-Station (RSS) Nos. 4, 5, 6, and various Line 2 System Equipment damaged by fire	Sep 2021	31.00%
22.Maintenance of Line 2 System	Mar 2024	35.00%

Source: Rehabilitation Monthly Status Report (Engineering Dept.)

MANPOWER HEADCOUNT

As of 31 JANUARY 2021

PLANTILLA	DBM APPROVED PLANTILLA	TOTAL NO. OF ADJUSTED PLANTILLA POSITIONS	TOTAL FILLED-UP/ EXISTING	VACANT	REMARKS
PERMANENT	381	379	345	34	<i>2-Abolished (381)</i>
CONTRACTUAL	1376*	441	421	20	<i>*935 Contractual Positions/Turned over to a Private Concessionaire effective 12 September 2015</i>
PMOs (Contractual/Co-term with the Project)					
Line 1 South Extension Project	43	43	36	5	<i>with 2 Honoraria Based</i>
Line 2 East Extension Project	12	12	9	3	
Line 2 West Extension Project	12	12	11	1	
SUB TOTAL (PMOs)	67	67	56	9	
TOTAL (Permanent, Contractual & PMOs)	1824	887	822	63	
Contract of Services					
Admin. Support (CS)		125	111	14	
Janitorial Transition Team(JTT)		70	70	0	
SUB TOTAL (CS)		195	181	14	
GRAND TOTAL	1824	1082	1003	77	

CRITERIA FOR EVALUATION AND PRIORITIZATION OF PROPOSED PROJECTS FOR CY 2022



Criteria	Weight (%)
1. Strategic Alignment	10.00%
2. Strategic Importance and Benefits	10.00%
3. Implementation Readiness	5.00%
4. Economic Benefits	15.00%
5. Urgency & Importance	30.00%
6. Importance to Risk Strategy	20.00%
7. Sustainability	10.00%
Total	100.00%

CPRD Evaluation Process



1. Review/revisit the PPAs under Board Approved Corporate Plan 2020 and 2021
2. Consolidate all proposed projects for CY 2022 based on the submission of the concerned offices as compliance to Project Call of Planning Department for the FY 2022 LRTA Annual Corporate Plan & NEDA's TRIP and PIP for FY 2022-2025.
3. Consult project owners to acquire drill-down information such as project specifications, scope, financial requirement, justification etc. in their project proposals.
4. Perform the prioritization/ranking process based on the evaluation criteria set by the Planning Department.
5. Finalize the initial list of priority projects for further review and deliberation of the top management.