



LIGHT
RAIL
TRANSIT
AUTHORITY

May 19, 2020

MEMORANDUM

TO : **MR. DOMINIC F. KABIGTING**
Manager, KMIT Division

SUBJECT : **STATUS OF LRT PROJECTS**

We are pleased to transmit to your office a copy of the status of LRT foreign-assisted projects (FAP) and locally-funded projects (LFP) as of **April 30, 2020** for posting to our website.

Thank you.


ELEANORE T. DOMINGO
Manager, Planning Department

cc: **Engr. Fernando C. Quiambao**, Project Implementation Officer, Unified PMO
Ms. Maria Corazon S. Pascual, Manager, Budget & Financial Planning Division



**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT
As of April 30, 2020**

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/ IMPLEMENTATION
1. LOCALLY-FUNDED PROJECTS			
<p>1.1 LRT Rehabilitation Projects¹</p> <p>Description: The project involves major repair/rehabilitation of existing lines 1 and 2 rolling stocks, systems, structures, and facilities such as repair of viaduct of the carriage way, rail replacement, replacement of parapet walls in between stations, replacement of gantry anchor bolts at LRT revenue lines, rehabilitation/repair of light rail vehicles (LRVs), etc.</p>	National Government	<p style="text-align: center;">Total: PHP 9,829.56 M</p> <p style="text-align: center;">2011 to 2024</p>	<p>From the total of eighty-seven (87)² CY2011-2020 Rehabilitation Projects, forty-eight (48) were already completed, nineteen (19) are on-going implementation, eighteen (18) are still under Procurement Stage and two (2) are for finalization of Terms of Reference (TOR).</p> <p>Completed Projects in 2020</p> <ol style="list-style-type: none"> Restoration of Fiber Optic Cable Communication Backbone at LRTA Line 2 (Completed on January 26, 2020). <p>On-going Implementation</p> <ol style="list-style-type: none"> Improvement of Line 2 Depot Offices (Revised Completion Date: March 17, 2020.) Supply, delivery and installation of partitions and decommissioning was temporarily suspended due to lockdown. Actual accomplishment: 61.98% Repair of Unbonded Concrete Pinths of LRTA Line 2 Mainline - Phase 2 (Target Completion Date: July 19, 2019) The Contractor failed to provide components needed for fabrication. LRTA officially informed the contractor regarding the expiration of contract and issued Liquidated Damages (LD) to the contractor amounting to P545,843.81. Actual accomplishment: 55.0%. Work was suspended due to lockdown. Installation of Overhead Catenary System (OCS) Lightning Protection System-Phase II (Target Completion Date: August 16, 2019) Delivery of surge arrester was suspended due to lockdown. Actual accomplishment: 55.0%. Contractor was informed of Contract Expiration & LD amounting to Php452,191.83 Supply, Delivery, Testing and Commissioning of OCS Truck (Revised Completion Date: Sept. 29, 2019) The contractor was unable to proceed with the production of the equipment due to technical specifications not included in the bid documents. LRTA informed the contractor regarding expiration of contract and LD. Actual accomplishment: 60.0% Restoration & Upgrading of Power Cables at Depot Stabling and Pureza Area (Revised Completion Date: April 22, 2020) Ongoing replacement of power cables at Pureza and Depot. The contractor acquired clearance for resumption of work during lockdown. Actual accomplishment: 94.94% Rehabilitation of Fire Detection and Alarm System and Fire Suppression System (Completion Date: November 15, 2019. The contractor failed to comply with the Factory Acceptance Test (FAT). LRTA officially informed the contractor regarding contract expiration and LD. Work suspended due to lockdown Actual accomplishment 95.0%. Design and Build for the Improvement of Line 2 Stations and Facilities Project (Revised Completion Date: June 8, 2020) Renovation works on both the interior and exterior of the stations are suspended due to lockdown. Actual accomplishment: 74.86% Acquisition of Rail Grinding Machine (Equipped with Air-conditioning Control Cab) (Target Completion Date: July 15, 2020) Delivered. Scheduled for the actual inspection, verification, testing and functionality prior to acceptance. Actual accomplishment: 88.0% Acquisition of Rolling Stock Diagnostic Tools and Equipment (Target Completion Date: Jan. 31, 2019) Delivered on Feb. 28, 2019. Awaiting for the Final Acceptance and confirmation of Red Ribbon Certificate from PS-DBM. Under investigation of the LRTA Fact-Finding Committee. LRTA officially informed the contractor regarding contract expiration and issued LD amounting to P9,133,200 as of January 20, 2020. Actual accomplishment: 89.0% Construction / Installation of Train Lift System (Revised Completion Date: November 22, 2019) Awaiting delivery. Actual accomplishment: 88.0%. LRTA officially informed the contractor regarding the expiration of contract and issued LD P1,767,050 as of January 20, 2020 Replacement of Forty Five (45) Escalator Units at Mainline Stations (Revised Completion Date: January 31, 2020) Thirty-nine (39) out of forty-five (45) Escalator Units were installed with pending request for contract time extension. Accomplishment: 89.84%. Activities are suspended due to lock down. Upgrading of Wheel Lathe Machine (Target Completion Date: December 12, 2019. Delivery of materials, equipment and other needed accessories are suspended due to lockdown. LRTA officially informed the contractor regarding the expiration of contract and issued LD. Actual accomplishment: 85.0% Construction of Materials and Recovery Facility (MRF) at LRTA Line 2 Depot (Target Completion Date: Dec. 9, 2019) Concreting of slab, preparation for steel column and other activities are suspended due to lockdown. LRTA officially informed the contractor regarding the contract expiration and LD. Actual accomplishment: 80.0% Upgrade of Existing ICT Structure - 100% Physically completed. Awaiting for the Project Final Acceptance. Replacement of Communication Link and Upgrading of Interlocking Module of Line 2 Signaling System - Part 1 & Part 2 (Target completion date: September 3, 2020) Conducted initial survey and assessment. Work was suspended due to lockdown. Actual accomplishment: 12.0% Construction of Water Treatment Facility (Completion Date: May 14, 2020) Concreting works was suspended due to lockdown. Accomplishment: 70.0% Supply, Delivery, Installation, Testing and Commissioning of Uninterruptible Power Supply System (UPS) (Target completion date: April 21, 2020) Conducted Power Quality Analyzer was conducted. Activities was suspended due to lockdown. Actual accomplishment: 12.0% Systematic Replacement of Compressor Motor Control Unit (CMCU) (Target Completion Date: March 04, 2020) Delivered. Actual inspection, verification, testing and functionality prior to acceptance was suspended due to lockdown. Actual accomplishment: 80.0% Maintenance of Line 2 System (Contract Expiration: March 30, 2024) Maintenance of LRT Line 2 Systems is ongoing. Physical Accomplishment: 21.67%

Note: ¹ LRT Rehabilitation Projects total cost were based on GAA CY2011-2020 excluding costs of projects offered to DBM and DOF for discontinuance

**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT
As of April 30, 2020**

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/ IMPLEMENTATION	
<p>1.2 Acquisition of New Trainsets</p> <p>Description: This is a multi-year project that covers the design, delivery, testing and commissioning of fourteen (14) brand new trainsets complete with on-board signaling and communication equipment in anticipation of the operation of the LRT Line 2 extension projects.</p> <p>The new trainsets will increase train availability and capacity, improve headway as well as enable the flexibility in the scheduling of Rolling Stock maintenance to meet customer requirements and expectations for safe, fast and reliable LRT service.</p>	National Government	<p>Total Project Cost: PHP 11,353 M</p> <p>Acquisition of New Trainsets GAA CY2018: 1,034 M</p> <p>Consulting Services GAA CY2019: 321 M</p>	<p>Nov. 2020 - July 2024 (excluding Defect Liability Period)</p>	<p>Status:</p> <p>April 2020: Evaluation of Shortlisted Bidder's financial documents was temporarily suspended due to lockdown.</p> <p>March 2020: Evaluation of Shortlisted Bidder's financial documents was temporarily suspended due to lockdown.</p> <p>February 2020: Shortlisted Bidder's financial documents under evaluation</p> <p>January 2020: Shortlisted Bidder's financial documents was scheduled for evaluation</p> <p>December 2019: On-going evaluation of Shortlisted Bidder's financial documents (Stage 2)</p> <p>- November 2019: On-going evaluation of eligibility of documents for short listing</p> <p>- October 2019: On-going evaluation of eligibility of documents for short listing (Stage 1)</p> <p>- September 6, 2019: Schedule for the Opening of Eligibility Documents for the Consulting Services</p> <p>- June 2019: Notice for interested bidders for the Consulting Services for the Acquisition of New Trainsets for posting in PhilGEPS and LRTA Website</p> <p>- February 20, 2019: Conducted pre-procurement conference.</p> <p>- January 19, 2019: Approved TOR.</p> <p>- March 2018: Approved by LRTA Board of Directors (inclusion of the project in the LRTA Corporate Plan FY2019)</p>
<p>1.4 LRT Line 2 West Extension Projects</p> <p>Description: The project involves the design and construction of the extension for the existing LRT Line 2, with a total length of approximately 3.02 kms from the Recto station extending westward to the Pier 4 area including the turn back track. The three (3) proposed additional stations include: (a) Tutuban Station, located next to the Cluster Mall; (b) Divisoria Station-located west of the Recto Avenue and Asuncion Street Intersection; and (c) Pier 4 Station- located 50meters north of Zaragoza Street.</p> <p>The project will include right-of-way acquisition (ROWA), as well as procurement of additional electromechanical requirements including five (5) new 4-car rolling stocks.</p>	National Government	<p>PHP 10,118.46 M (NEDA approved)</p>	<p>Aug 2019 - 3rd Qtr 2023 (excluding DLT)</p>	<p>● Procurement of Consultancy Services for the Concept Design of Civil Works, Electro-Mechanical System (EMS) and Rolling Stock</p> <p>Status: Implementation of contract for Consulting Services</p> <p>- April 2020: On-going preparation of necessary documents related to Projects Re-structuring due to revision of implementation schedule for submission to NEDA. Bidding documents for the procurement of Civil Works, Electromechanical System and Rolling Stock Contractor under review by LRTA Bids and Awards Committee</p> <p>- March 04, 2020: DOTR Approved and concurred the Conceptual design of Viaduct, Stations, Performance specifications of EMS, Rolling Stock and Bidding Documents</p> <p>- February 2020: On-going implementation of Consultancy Services contract.</p> <p>- January 2020: On-going implementation of Consultancy Services contract.</p> <p>Note: initial fund requirement was downloaded/obligated by DOTR to LRTA through Memorandum of Agreement (MOA) dated: - January 29, 2019 Php608,000,000* (CY2018) - September 5, 2017 Php100,000,000* (CY2017) - September 5, 2017 Php1,119,993,000* (CY2016) - January 4, 2017 Php200,000,000* (CY2015)</p> <p>- TOR, POW and Approved Budget of the Contract (ABC) was already concurred by DOTR.</p> <p>- Acquisition of Environmental Compliance Certificate (ECC) is in process.</p> <p>- May 19, 2015: NEDA Board approved the Line 2 West Extension Project</p> <p>*amounts are inclusive of DOTR's 1.5% Engineering and Administrative Expenses (EAE)</p>

**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT
As of April 30, 2020**

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/IMPLEMENTATION	
2. FOREIGN- ASSISTED PROJECTS				
<p>2.1 Line 2 East Extension Project (EEP)³</p> <p>Project background: Extension of the existing LRT Line 2 by 3.793km eastward from the existing Santolan Station at Marcos Highway, terminating at the intersection of Marcos Highway and Sumulong Highway. With two (2) additional stations proposed: (1) Emerald Station in front of Robinson's Metro East Mall and Sta. Lucia East Grand Mall in Cainta, and (2) Masing Station near the junction of Marcos & Sumulong Highway in Masing, Antipolo City.</p>	National Government	<p>Total: PHP 9,511 B GPH: PHP 6,398 B GPH-ODA: PHP 3,113 B (NEDA Approved)</p>	<p>Original: 2012 to 2016</p> <p>Revised: 2014-2017</p> <p>Revised: 2014-2020 (excluding DLP)</p>	<p>GOP Portion:</p> <p>a. Consulting Services for Civil Works Contractor: FDSC-KRNA-Soosung Joint Venture Scope: DED, Tendering Assistance, Construction Supervision and Defects Liability Period (DLP) Assistance Status: DOTr approved the realignment and extension contract duration requested by the consultant. S-curve is likewise revised to conform with the new contract duration. Physical accomplishment: <u>98.46%</u></p> <p>b. Civil Works Package 1 - Construction of Viaduct Contractor: D.M. Consunji, Inc. (DMCI) Scope: Construction of 3.793km Viaduct Status: Under Defects Liability Period (DLP) until June 24, 2019 Physical accomplishment: <u>100%</u></p> <p>c. Civil Works Package 2- Design and Build of Stations Contractor: D.M. Consunji, Inc. (DMCI) Contract Duration: 18 months Scope: Design and Build of Two (2) Stations Status: On-going construction of Masing and Emerald Stations. Physical accomplishment: <u>96.21%</u></p> <p>GDA Portian:</p> <p>a. Consulting Services for Electro-Mechanical Contractor: CMX Consortium Scope: Preparation of Performance Specifications and Tender Documents, Construction Supervision, DLP Assistance. Status: On-going review and supervision of Package 3 activities, interfacing with civil works and assistance in the tendering of contractor Physical accomplishment: <u>79.02%</u></p> <p>b. Design and Construction of Electro-Mechanical Equipment - Package 3 Contractor: Marubeni-DMCI Consortium Scope: Track works, Electro-mechanical System and Integration with Existing Systems Status:</p> <ul style="list-style-type: none"> - March 2020 On-going design and installation activities. - Physical Accomplishment: <u>58.10%</u> <p>Project History</p> <ul style="list-style-type: none"> - July 4, 2019: NTP was issued to Marubeni-DMCI Consortium - February 6, 2019: Contract signing between DOTr and Marubeni-DMCI Consortium. - December 14, 2018: DOTr issued Letter of Acceptance (LOA) to the contractor signed by the DOTr Secretary. - April 2, 2018: Approval of results of bid price negotiation (DOTr/JICA)

Note: ³ Line 2 EEP budget is directly appropriated and released to DOTr. LRTA's role is Project Management only and all disbursements are for DOTr's account.

**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT**

As of April 30, 2020

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/ IMPLEMENTATION	
<p>2.2 Line 1 South Extension Project (SEP)²</p> <p>Project background: The project involves the extension of the existing 20.7 kms by an additional 11.7 km., of which approximately 10.5 km will be elevated and 1.2 km will be at-grade. The extension will start from the existing line's last station at Bacaran and will traverse the cities of Paranaque and Las Pinas in Metro Manila and reach the city of Bacor.</p> <p>The implementation is through a Public-Private Partnership (PPP). Financing Arrangement scheme. The GOP/Public sector (PS) components shall be through Official Development Assistance (ODA) from Japanese International Cooperation Agency (JICA) and National Government Subsidy Appropriation.</p>	National Government	<p>Original</p> <p>Total: PHP 61,527B GPH: PHP 5,318 B ODA: PHP 20,041 B PS: PHP 30,934 B</p> <p>Revision1: Total: PHP 60,811 B GPH: PHP 4,510 B ODA: PHP 20,041 B PS: PHP 30,934 B</p> <p>Revision2: Total: PHP 64,915 B GPH: PHP 7,551 B ODA: PHP 17,799 B PS: PHP 39,565 B (NEDA Approved)</p>	<p>Original: April 2013 to April 2017</p> <p>Revised: 4th Qtr. 2017 to 4th Qtr. 2022</p>	<p>GOP Portion:</p> <p>1-A. Right-Of-Way Acquisition (ROWA) Status: Acquired 83% equivalent to 191 lots of the total target of 230 private and public lots. Remaining lots are under negotiation and/or expropriation. - The Grantor paid the Philippine Reclamation Authority (PRA) for the ROW acquisition of PRA lots -10 under Package 1 through the DOTr on March 27, 2020 - Basic ROWA: Acquired 83.7% equivalent to 175 out of 209 lots. - Additional ROWA: Acquired 76.2% equivalent to 16 out of 21 lots.</p> <p>1-B. Identified Intermediate ROW (IIRROW) Status: Acquired 63% equivalent to 20 lots of the total target of 32 target lots. Remaining 12 lots are ongoing negotiation or expropriation</p> <p>2. Utility Relocation</p> <p>a. Power (Meralco) : 27% completed - Continued with the relocation of the remaining utilities and securing permits from CIC and PRA. Meralco Facilities for critical areas for Dr. Santos/ Ninoy Aquino Ave of Package 1 has been relocated. Manpower relocation works on the critical areas for Roxas Blvd & Cavitex is on going.</p> <p>b. Telcos</p> <p>- September 26, 2019: Conducted Joint Inspection at Package 1 alignment by representative from DOTr, LRMCC-EPC, LRTA & utility providers.</p> <p>- July 19, 2019: LRTA Board of Directors approved the five (5) TELCOS MOA (Globe/Bayanet, Skycable/Destiny, Eastern, Cablelink and Radius).</p> <p>b.1 PLDT - On-going relocation of utilities at Ninoy Aquino Ave. October 9, 2019: MOA between LRTA and PLDT was signed</p> <p>b.2 Radius - On-going relocation of utilities at Ninoy Aquino Ave.</p> <p>b.3 Cablelink - On-going relocation of utilities at Ninoy Aquino Ave. December 12, 2019: PMO issued letter to Cablelink requesting for Joint Pole Agreement with Meralco and other Telcos.</p> <p>b.4 Globe - MOA under review by Globe</p> <p>b.5 Eastern - On-going relocation of utilities at Ninoy Aquino Ave.</p> <p>b.6 Skycable - On-going relocation of utilities at Ninoy Aquino Ave.</p> <p>c. Water Line (Maynilad) MOA between LRTA and Maynilad signed by the LRTA Administrator on April 30, 2020</p> <p>- January 7, 2020: Maynilad signed the MOA.</p> <p>- November 29, 2019: LRTA Board of Directors approved the MOA for secondary pipes between LRTA and Maynilad</p> <p>- October 1, 2019: Conducted re-tagging inspection with Maynilad-EPC-LRMCC-DOTr-LRTA</p> <p>3. Relocation of Informal Settler Families (ISFs) Status: 53.6% ISFs facilitated. Equivalent to 751 out of 1400 ISFs.</p> <p>a. Package 1 (585+166=751 ISFs) : 100% facilitated. An additional of 166 ISFs from Paranaque City affected by project alignment. A total of 638 ISFs were relocated to LRTA Relocation Site at Brgy. Santiago, Gen. Trias, Cavite.</p> <p>b. Package 2 (165 ISFs) and Package 3 (375 ISFs) : On-going submission of documentary requirements for qualification to Local Government and marking of boundaries along project alignment</p> <p>JICA ODA Component:</p> <p>1. Supply of 120 Rolling Stock LRVs for LRT Line 1 South (Cavite) Extension Project (Target Completion Date: February 28, 2022) Status: Physical accomplishment as of March 2020: 32.80%</p> <p>- April 2020: Manufacturing of Trainsets 1 (Spain) & 2 (Mexico) was temporarily suspended due to city of origin was also in lockdown.</p> <p>- February 8, 2019: Mock-up 4th Generation LRV is currently stabled at EPCC site office.</p> <p>- October 20-27, 2018: Mock-up inspection of LRVs</p> <p>- March 1, 2018: Issuance of NTP to Mitsubishi</p> <p>2. Expansion of Existing Depot at Bacaran and Construction of New Satellite Depot at Zapote (Target Completion Date: October 23, 2022) Status: Physical accomplishment as of March 2020: 30.31%</p> <p>- Zapote Satellite Depot: Site works was suspended due to lockdown. Revisions of detailed design and construction drawings is on-going.</p> <p>- Bacaran Depot Expansion: Site works was suspended due to lockdown. Ongoing revisions of detailed design and construction drawings</p> <p>- Administrative Building Renovation: Site work suspended.</p> <p>- Depot Maintenance and Equipment: On-going Detailed Final Design.</p>

**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT**

As of April 30, 2020

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/IMPLEMENTATION
<p>2.2 Line 1 South Extension Project (SEP)</p>		<p>Total: PHP387 M LRTA GAA FY2011 & DOTR GAA FY2018</p> <p>PHP 2,209 M Supplemental APP FY2019</p> <p>PHP 395.3 M LRTA GAA FY2011</p> <p>PHP .490 M Supplemental APP FY2019</p>	<p>Private Sector Component Concessionaire: LRMCM Project Component: Cavite Extension Works (CEW) comprised of Civil Works (Viaduct and Stations), EMS Works, etc. Implementation Schedule: June 30, 2017 - November 30, 2022 (1468 CD) Status: On-going preparation of Station Design, Superstructure & System Infrastructures. Independent Consultant has certified IIRROW for five stations at Redemptoris, Asia World, MIA, Ninoy Aquino and Dr. Santos. Civil Works activities are ongoing. Physical accomplishment: Cavite Extension Works: 38.10% Existing System Works: 61.60%</p> <p>OTHER ACTIVITIES: 1. Contract for the Services for the Clearing of All Municipal Waste Materials at Pulang Lupa Dumpsite Status: Work suspended due to DPWH-LRTA project interface and ROW acquisition - August 29, 2019: NTP issued to the Contractor - August 28, 2019: MOA between DOTR & LRTA regarding to Download/Transfer of additional funds to LRTA was signed - May 3, 2019: Schedule for submission and opening of bids - February 27, 2019: The projects was approved by LRTA BOD</p> <p>2. Contract for the Services for the Demolition, Design and Reconstruction of the Affected Portion of the Structures Demolished or Removal of all obstruction within the LRT1 Cavite Extension Project Alignment Status: - April 2020: PMO to submit additional documents to BAC (revised estimate, POW and TOR). - January 22, 2020: Conducted Pre-procurement conference. - November 27, 2019: Conducted Pre-procurement conference. - October 30, 2019: BOD Approved TOR (revised) forwarded to Procurement Division for processing - September 18, 2019: Revised TOR approved by the Board of Directors (BOD) - May 10, 2019: Pre-procurement Conference - March 22, 2019: LRTA BOD approved the project</p> <p>3. Construction of Relocation Units and Amenities for Informal Settler Families Status: - April 2020: Preparation of documents for acceptance of rectified amenities and facilities - March 2020: On-going rectification works of the remaining facilities - Feb. 2020: Conducted Joint Inspection with LRTA Inspection Team regarding rectification works of Multi-purpose building, 3 Playgrounds and Covered Court - November 28, 2019: Conducted Joint Inspection with LRTA Inspection Team regarding rectification works of three (3) school buildings and two (2) water pumps Physical Accomplishment : 100% as of July 11, 2017 Financial Accomplishment : 95% as of July 2017</p> <p>4. Appraisal Services with Appearance Fee of various Real Properties of Line 1 Cavite Extension Projects - 14 Lots Status: - April 2020: On-going processing of payment - March 2020: On-going processing of payment - Feb. 2020: Submitted appraisal report - December 12, 2019: Notice to Proceed issued to the Contractor - October 31, 2019: Notice of Award issued to the Contractor</p>

Note: ² Funds for Line 1 SEP are directly appropriated and released to DOTR. LRTA's role is Project Management only and all disbursements are for DOTR's account.