

March 20, 2020

MEMORANDUM

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

SUBJECT : **STATUS OF LRT PROJECTS**

We are pleased to transmit to your office copy of the status of LRT foreign-assisted projects (FAP) and locally-funded projects (LFP) as of **February 29, 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



2020 MM PLD 096

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**LIGHT RAIL TRANSIT AUTHORITY
PROJECT STATUS REPORT
As of February 29, 2020**

PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/ IMPLEMENTATION	STATUS
1. LOCALLY-FUNDED PROJECTS				
1.1 LRT Rehabilitation Projects¹				
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.	National Government	Total: PHP 9,423.10 M	2011 to 2024	<p>A total of forty-eight (48) out of eighty-eight (88) CV2011-2020 rehabilitation projects were already completed, eighteen (18) are on-going, and twenty (20) are still under Procurement and two (2) are for finalization of Terms of Reference (TOR).</p> <p>Completed Projects in 2019 and 2020</p> <ol style="list-style-type: none"> 1. Systematic Replacement of Rolling Stock Air-Conditioning Units for Ten (10) Trainsets (Accepted on May 24, 2019). 2. 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"> 1. Improvement of Line 2 Depot Offices (Revised Completion Date: March 27, 2020. Supply, delivery and installation of partitions and decommissioning is on-going. 2. Repair of Unbonded Concrete Plinths 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 3. Installation of Overhead Catenary System (OCS) Lightning Protection System- Phase II (Target Completion Date: August 16, 2019) Awaiting surge arrester for installation. Contractor is officially informed of Contract Expiration & LD amounting to Pnp452,191.83 as of February 29, 2020 4. Supply, Delivery, Testing and Commissioning of OCS Truck (Revised Completion Date: Sept. 29, 2019) Awaiting delivery. The contractor made some clarifications regarding technical specifications/requirements prior to production. LRTA officially informed the contractor regarding expiration of contract and LD. 5. Restoration & Upgrading of Power Cables at Depot Stabling and Pureza Area (Revised Completion Date: April 22, 2020) On-going cable installation, termination of cables and installation of disconnected switches. 6. Rehabilitation of Fire Detection and Alarm System and Fire Suppression System (Revised Completion Date: November 15, 2019. The contractor failed to comply with the Factory Acceptance Test (FAT) requirement. LRTA officially informed the contractor regarding contract expiration and LD 7. Design and Build for the Improvement of Line 2 Stations and Facilities Project (Revised Completion Date: June 8, 2020) On-going renovation works on both the interior and exterior of the stations. 8. Acquisition of Rail Grinding Machine (Equipped with Air-conditioning Control Cab) (Target Completion Date: July 15, 2020. On-going manufacturing of the equipment). 9. 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. LRTA officially informed the contractor regarding contract expiration and issued LD amounting to P9,133,200 as of January 20, 2020. 10. Construction / Installation of Train Lift System (Revised Completion Date: November 22, 2019) Awaiting delivery. LRTA officially informed the contractor regarding the expiration of contract and issued LD P1,767,050 as of January 20, 2020 11. Replacement of Forty Five (45) Escalator Units at Mainline Stations (Revised Completion Date: January 31, 2020) Twenty-two (22) out of forty-five (45) Escalator Units were installed. Physical Accomplishment: 48.88% 12. Upgrading of Wheel Lathe Machine (Target Completion Date: December 12, 2020. On-going delivery of materials, equipment and other needed accessories. LRTA officially informed the contractor regarding the expiration of contract and issued LD 13. Construction of Materials and Recovery Facility (MRF) at LRTA Line 2 Depot (Target Completion Date: Dec. 9, 2019) On-going concreting of slab on grade and preparation for steel column. Delay in acquiring of Building Permit resulting to late mobilization. LRTA officially informed the contractor regarding the contract expiration and LD. 14. Upgrade of Existing ICT Structure - 100% Physically completed. Awaiting for the Project Final Acceptance. 15. 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. 16. Construction of Water Treatment Facility (Target Completion Date: May 14, 2020) On-going concreting works for water treatment facility. 17. Upgrading of Stations UPS System (Phase 2) and Depot Electrical Rooms (Target completion date: April 21, 2020) NTP issued to the contractor on Dec. 23, 2019. On-going assessment of existing UPS. 18. Maintenance of Line 2 System (NTP date: April 1, 2019) Contract Extended from March 31, 2022 to March 30, 2024) Physical Accomplishment: 18.33%

Note: ¹ Total Project Cost of LRT Rehabilitation Projects were based on GAA CV2011-P889M, CV2013-P1.314B, CV2014-P727M, CV2015-P2.819B, CV2015-P977M, CV2016-P343M, CV2019-P1.418.5M, and CV2020-P961M GAA

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PROJECT NAME	FUNDING SOURCE	PROJECT COST (PHP)	DURATION/IMPLEMENTATION	STATUS
<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 or Rolling Stock maintenance to meet customer requirements and expectations for safe, fast and reliable LRT service.</p>	National Government	<p>Total Project Cost: PHP 11,353B</p> <p>Total Project Cost: PHP 11,032B</p> <p>GAA CY2018: 1,034B GAA CY2019: 25,405M</p>	<p>1st Qtr 2020 - 4th Qtr 2023</p>	<p>Status:</p> <p>February 2020: On-going evaluation of Shortlisted Bidder's financial documents</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>● Procurement of Consultancy Services for the Concept Design of Civil Works, Electro-Mechanical System (EMS) and Rolling Stock</p> <p>Status:</p> <p>February 2020: On-going implementation of Consultancy Services contract. Physical Accomplishment: 3.51%</p> <p>January 2020: On-going implementation of Consultancy Services contract.</p> <p>Note:</p> <p>Initial fund requirement was downloaded/obligated by DOTr to LRTA through Memorandum of Agreement (MOA) dated:</p> <ul style="list-style-type: none"> - January 29, 2019 PhpP08,000,000* (CY2018) - September 5, 2017 PhpP100,000,000* (CY2017) - September 5, 2017 PhpP1,119,993,000* (CY2016) - January 4, 2017 PhpP200,000,000* (CY2015) <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>
<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) Tuluban 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 10,118,46M (NEDA approved)</p>	<p>Aug 2019 - 3rd Qtr 2023</p>	

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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> <p>Objectives: The project aims to provide rapid and reliable mode of transit to the east of Manila, and to various strategic commercial, industrial, and educational districts in Metro Manila either through direct access from LRT Line 2 itself or through interconnections with other LRTs or modes of transport.</p>	National Government	<p>Total: PHP 9,511B GPH: PHP 6,398B GPH-ODA: PHP 3,113B (NEDA Approved)</p>	<p>Original: 2012 to 2016</p> <p>Revised: 2014-2017</p> <p>Revised: 2014-2020 (excluding DLP)</p>	<p>PHP 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>ODA Portion:</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>75.22%</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"> - February 2020 On-going design and installation activities. - Physical Accomplishment: <u>51.09%</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.

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<p>2.2 Line 1 South Extension Project (SEPI)?</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 Bacoor.</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 Total: PHP 61,527B GPH: PHP 5,318B GPH-ODA: PHP 20,041B PS: PHP 30,934B</p> <p>Revision1: Total: PHP 60,811B GPH: PHP 4,510B GPH-ODA: PHP 20,041B PS: PHP 30,934B</p> <p>Revision2: Total: PHP 64,915B GPH: PHP 7,551B GPH-ODA: PHP 17,799B PS: PHP 39,565B (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. Right-Of-Way Acquisition (ROWA) Status: Acquired 78.35% equivalent to 181 lots of the total required 230 private and public lots. Remaining lots are under negotiation and/or expropriation. On-going finalization of Agreements between DOTr and PRA for the remaining 10 PRA lots under Package 1. - Basic ROWA: Acquired 84.21% equivalent to 176 out of 209 lots. - Additional ROWA: Acquired 27.27% equivalent to 6 out of 22 lots.</p> <p>2. Utility Relocation</p> <p>a. Power (Meralco) : 23% completed - Continued with the relocation of the remaining utilities and securing permits from CIC and PRA. NTP issued to Meralco on Oct. 1, 2019. Jobs # 1 & 10 were recently relocated/completed.</p> <p>b. Telcos</p> <p>- September 26, 2019: Conducted Joint Inspection at Package 1 alignment by representative from DOTr, LRM-C-EPC, LRTA & utility providers.</p> <p>- July 19, 2019: LRTA Board of Directors approved the five (5) TELCOS MOA (Globe/Byantel, 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) PMO awaiting for LRM-C's concurrence of relocation plan before signing of MOA.</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-LRM-C-DOT-LRTA</p> <p>3. Relocation of Informal Settler Families (ISFs) Status: 58.17% ISFs facilitated. Equivalent to 751 out of 1291 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 Status: Physical accomplishment as of January 2020: 31.89%</p> <p>On-going train manufacturing and approval of Original Test Protocol and Factory Test Protocol. Regular interface coordination meeting with stakeholders</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 Status: Physical accomplishment as of January 2020: 22.40%</p> <p>- Zapote Satellite Depot: On-going civil work design and approval, site clearing and office/facilities set-up. Physical Accomplishment: 33.40%</p> <p>- Bacaran Depot Expansion: On-going form works, rebar and concreting of OCS foundation at Area 1. Physical Accomplishment: 14.17%</p> <p>- Administrative Building Renovation: On-going demolition of existing wall and parapet, and removal of roof sheets at Area 1 & 2. Physical Accomplishment: 18.81%</p> <p>- Depot Maintenance and Equipment: On-going Detailed Final Design. Physical Accomplishment: 5.20%</p>

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<u>2.2 Line 1 South Extension Project (SEP)</u>		<p>Total: PHP387M LRTA GAA FY2011 & DOT-GAA FY2018</p> <p>PHP 2,209 M Supplemental APP FY2019</p> <p>PHP 385.3 M LRTA GAA FY2011</p> <p>PHP .490 M Supplemental APP FY2019</p>		<p>Private Sector Component Concessionaire: LRMCC 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 Pedemptoris, Asia World, MIA, Ninoy Aquino and Dr. Santos. Physical accomplishment: 36.8%</p> <p>OTHER ACTIVITIES:</p> <p>1. Contract for the Services for the Clearing of All Municipal Waste Materials at Pulang Lupa Dumpsite Status: Project implementation in progress - August 29, 2019: NTP issued to the Contractor - August 28, 2019: MOA between DOT & 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: PMO to submit additional documents to BAC. - 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: - On-going rectification works of the remaining facilities - 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: Appraisal Services in progress - 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 DOT. LRTA's role is Project Management only and all disbursements are for DOT's account.