



# IAN DORADO DACUL

Metro Manila, Philippines

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## **HIGHLIGHTS OF QUALIFICATIONS:**

- Electrical Engineer with 13 years experience in Railway Industry
- Excellent knowledge of the installation and maintenance of electrical systems and equipment.
- Superior electrical maintenance work experience, maintenance practices and processes.
- Good technical abilities, troubleshooting and repair.
- Time management and resource planning/management.
- Goal oriented and focus on problem solving.
- Energetic, flexible, hardworking and self-motivated individual who has a desire to learn and be involved in the ever changing engineering industry.

## **TECHNICAL AND SOFTWARE SKILLS:**

- Microsoft Office Application
- Ms Project Application
- AutoCAD Application
- Electrician/Technician
- Drawing

## **PROFESSIONAL WORK EXPERIENCE:**

***LIGHT RAIL TRANSIT AUTHORITY LINE 1- Metro Manila, Philippines***  
***Engineering Department - Inspection and General Monitoring Division***  
**Supervising Engineer A, April 16, 2018 – Present**  
**Senior Engineer A, September 13, 2015 – April 15, 2018**

- Inspect, check and monitor all maintenance activities of the Concessionaire/Contractor relative to Power, Catenary and Signaling System;
- Prepare procedures, checklist and in the establishment, implementation, and updating of the manual and automated Concession Monitoring System for the purpose;
- Participate testing and commissioning activities to verify the functionality of the equipment and assess the initial performance and compared the expected and actual data;
- Recommend to rectification of any deficiency or breaches of any of the concessionaire's obligations;
- Conduct an investigation and prepare incident reports relative to the Power, Catenary and Signaling System of Line 1 LRT System;
- Review and recommend a solution of the inspection and observation reports of Line 1 LRT System necessary for the operation improvement;
- Review, assess and prepare correspondences relative to special infrastructure and Engineering project and other related documents submitted by the Concessionaire/Contractor;
- Inspect, validate and monitor the progress of special projects by Concessionaire/Contractor;

- Review of annual maintenance plan of Power, Catenary and Signaling System submitted by the Concessionaire/Contractor;
- Identify and recommend technical competency training of the Unit Members;
- Lead, manage and monitor the team workload and utilization for an efficient day-to-day operation.

***LIGHT RAIL TRANSIT AUTHORITY LINE 1 - Metro Manila, Philippines***

***Engineering and Maintenance Department***

**Senior Engineer A, July 23, 2010- September 12, 2015**

- Supervises, monitors, and oversees the progress implementation of all maintenance activities related to Power, Catenary and Signaling System;
- Improve and update the maintenance procedures/manuals, guidelines, instructions, policies and safety rules on the related works;
- Inspects the repair/maintenance procedure of the contractor in accordance with the approved railway standards/procedures and applicable Philippine code & standards;
- Supervises component level repair of Substation equipment such as 34.5 kV Medium Voltage Switchgear, Rectifier Transformer, Silicon Rectifier, General Low Voltage Switchboard, Substation Service Low Voltage Switchboard, 750 VDC Switchgear, Pad mounted Transformers, and associated equipment; Catenary facilities such as contact wires, section and glass insulators, messenger wires, wayside cables, feeding facilities, gantries, steady arm, etc.; and Signaling equipment such as, Interlocking equipment (Peripheral board, Fan module, UPS, Batteries, and associated equipment) ATP on board equipment (Odometer, on board balise, ATP central unit, Data unit, BAG, Speedometer, and associated equipment) and Wayside equipment (Balise, Advance balise, Axle counter, Signal light & point indicator, and associated equipment);
- Prepares technical specifications/drawings and evaluates materials /spare parts requisition needed for the maintenance/repair of Power, Catenary and Signaling System;
- Prepares test parameters and procedures in the evaluation and acceptance of spare parts;
- Prepares and design plans, specifications, terms of reference, scope of works, and drawings for the operations improvements;
- Provide and recommend retrofit solutions for the obsolete parts of the equipment;
- Participate testing and commissioning activities to verify the functionality of the equipment and assess the initial performance and compared the expected and actual data;
- Conducts regular inspection of the repair made by the contractor related to the Preventive & Corrective Maintenance of Power, Catenary and Signaling System;
- Prepares system status report related to the repair/maintenance of Power, Catenary and Signaling System for evaluation of the system and basis for the implementation of corrective measures;
- Inspects and quality controls the entire system and evaluates the conduct of all maintenance activities done by the maintenance personnel and contractors;
- Document all activities conducted to serve as records, and for whatever purpose they may be deemed necessary;
- Establishes quality control records which demonstrate achievement of the required quality and the effective operation of the quality system.

***LIGHT RAIL TRANSIT AUTHORITY LINE 1 - Metro Manila, Philippines***

***Quality Assurance Office***

**Senior Engineer, January 21, 2009- July 22, 2010**

- Conduct of studies and analysis pertaining to the Maintenance systems, methods, policies and procedures;
- Formulates and improves the new and existing maintenance programs and procedures, and in the systematic documentation and organization of the same;
- Conduct study and develop a feasible solution on the fabrication/repair/modification of LRT Line 1 System spare parts as an acceptable substitute of foreign procured parts which will result in operational efficiency;

- Prepare test program for parts/materials, data acquisition of maintenance, events and incidents and inspection/evaluation guides and checklist;
- Develop, implement and executing Quality Assurance processes and procedures;
- Perform other related functions that may be assigned and necessary to maintain the system's reliability;

***LIGHT RAIL TRANSIT AUTHORITY LINE 1 - Metro Manila, Philippines***  
***Maintenance Transition Team - Power and Catenary Unit***  
**Technician, April 03, 2008- January 15, 2009**

- Monitors the performance of Rectifier Substation equipment;
- Assembling, evaluating, testing, maintaining electrical wiring and control panels of Rectifier Substation equipment;
- Troubleshooting and repairing malfunction parts of Rectifier Substation equipment;
- Reading and interpreting electrical and electronic circuit blueprints, diagrams and schematic;
- Prepare materials, spare parts and test equipment necessary for the maintenance of Rectifier Substation equipment;
- Performs routine preventive maintenance and corrective/emergency repair of Rectifier Substations with various equipment such as (34.5kV) Medium Voltage Switchgear, Oil Circuit Breaker, Load break Switch, 2150kVA Rectifier Transformer, 225kVA Auxiliary Transformer, Silicon Rectifiers, 750VDC High Speed Circuit Breaker Switchgear, Negative Panel, Substation Low Voltage Switchboard (440VAC), General Low Voltage Switchboard, Loader Rectifier, Batteries, and associated equipment;
- Develops and updates maintenance procedures along with maintaining equipment records of area of responsibility;
- Prepares incident/observation reports or any reports related to the performance of the equipment and submits to immediate supervisor for appropriate action;
- Coordinates with Electrical Dispatcher for the switching interventions to ensure continuous power supply of revenue line including stations;
- Conduct periodic test such as insulation, contact resistance, transformer oil test, earth resistance measurement, or any test necessary to the performance of the Rectifier Substation equipment.

***DON ORESTES ROMUALDEZ ELECTRIC COOPERATIVE, INC. - Leyte, Philippines***  
***Engineering Department***  
**Project Employee, February 20, 2006- July 21, 2006**

- Measurement of primary, secondary lines and consumers service drop wires;
- System data gatherings such as conductor sizes, system configuration, pole height, Transformer rating and phasing, list of consumers per transformer and per services pole;
- Map re-plotting, Data encoding & Sanity check;
- GPS operation (pole to pole distance and location);
- Audit of system equipment of DORELCO coverage area.

**EDUCATIONAL ATTAINMENT/PROFESSIONAL QUALIFICATIONS:**

**Registered Electrical Engineer (REE) - Registration Number – 40363**

*Professional Regulation Commission (PRC) - Philippines*

**Registered Master Electrician (RME) - Registration Number – 33955**

*Professional Regulation Commission (PRC) - Philippines*

**Eastern Visayas State University - Leyte, Philippines**

College of Engineering

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

Graduated: March 2005

**PERSONAL INFORMATION:**

Nationality	:	Filipino
Birth Date	:	March 28, 1983
Age	:	38 yrs. old
Gender	:	Male
Marital Status	:	Married
Religion	:	Roman Catholic
Nickname	:	“Dacs”

**SHORT COURSE/ TRAINING/ SEMINARS ATTENDED:**

**4<sup>th</sup> Generation LRV- LRT Line 1 Operations Training (Theoretical) Course**

September 06 - 10, 2021

Online seminar via Google Meet

DOTr/LRTA/CMX Consortium/Mitsubishi/CAF

**Special Topic on PPP Project Implementation:**

**Dispute Resolution in PPP Projects**

June 29-30, 2021

Online seminar via Zoom

PPP Center of the Philippines

**45<sup>th</sup> IIEE Virtual Annual National Convention**

November 27-28, 2020

Online seminar via Zoom

IIEE National Office

**Web Refresher Training Course for  
Railway Maintenance Personnel (DOTr)**

September 21-25, 2020

Online seminar via Zoom

**Refresher Course on LRT1 Existing Signaling,  
Track and Traction Power System**

December 17, 2019

Social Hall, LRTA Line 2 Depot,

Marcos Highway, Santolan, Pasig City

**Refresher Course on Normal Operations,  
Management of Incidents and Degraded  
Operation**

December 10, 2010

Social Hall, LRTA Line 2 Depot,

Marcos Highway, Santolan, Pasig City

**44<sup>th</sup> IIEE Annual National Convention and  
3EXPO 2019**

November 27- 30, 2019

SMX Convention Center,

SM Central Business Park, Pasay City

**Urban Transport Forum for Livable Cities 2019**

September 30, 2019 – October 04, 2019

ADB Headquarters,  
6 ADB Avenue, Mandaluyong City 1550  
Metro Manila, Philippines

**Seminar – Workshop/Writeshop in establishing the Business Plan and Operational Plan of LRTA Spare Parts Localization Group**

April 2 - 3, 2019

B Hotel, Quezon City

**2018 IIEE Midyear National Convention and 3EXPO 2018**

May 17- 19, 2018

Limketkai Atrium,  
Limketkai Center, Cagayan De Oro City

**Training on Effective Research and Technical Writing**

October 24, 2017

LRTA-Administrative Dept. HRMD  
LRTA Line 2 Depot, Santolan

**Business Writing Skills Training**

May 22, 2017

LRTA-Administrative Dept. HRMD  
LRTA Line 2 Depot, Santolan

**Project Management Training**

November 16 and 23, 2016

LRTA-Administrative Dept. HRMD  
LRTA Line 2 Depot, Santolan

**Material Management and Inventory Control Training**

July 04 -05, 2016

LRTA-Administrative Dept. HRMD,  
LRTA Line 2 Depot, Santolan

**36th IIEE Annual National Convention and 3EXPO 2011**

November 23 – 26, 2011

Philippine International Convention Center,  
Pasay City

**Surge Protective Device**

June 10, 2011

5<sup>th</sup> Power Software Trading & Services,  
LRTA Line 1 Depot, Pasay City

**Asia-Pacific Railway Innovations Forum 2019**

May 21 - 24, 2019

ADB Headquarters,  
6 ADB Avenue, Mandaluyong City 1550  
Metro Manila, Philippines

**43rd IIEE Annual National Convention and 3EXPO 2018**

November 14- 17, 2018

SMX Convention Center,  
SM Central Business Park, Pasay City

**42nd IIEE Annual National Convention and 3EXPO 2017**

November 16 - 19, 2017

SMX Convention Center,  
SM Central Business Park, Pasay City

**Training on Project Management**

October 23, 2017

LRTA-Administrative Dept. HRMD  
LRTA Line 2 Depot, Santolan

**Lecture on Nature and Interpretation of Contracts**

December 06, 2016

LRTA-Administrative Dept. HRMD  
LRTA Line 2 Depot, Santolan

**Material Management and Inventory Control Training**

July 04 -05, 2016

LRTA-Administrative Dept. HRMD,  
LRTA Line 2 Depot, Santolan

**Effective Presentation Skills Training**

October 26, 2015

Redfox Technologies Phil. Inc.,  
LRTA Line 2 Depot, Santolan

**LRT Line 1 North Extension Project (NEP) Signaling Operation & Maintenance Training**

October 12 - 17, 2011

DMCI-BETA-TEWET JV,  
LRTA Line 1 Depot, Pasay City

**35th IIEE Annual National Convention and 3EXPO 2010**

November 24 – 27, 2010

SMX Convention Center,  
SM Central Business Park, Pasay City

**Lightning Protection and Grounding System (LP & G)  
using ERITECH SYSTEM 3000**

October 19, 2010  
MIESCOR - GTC JV  
Balintawak, Quezon City

**Threat Detection Specialist Training Seminar**

January 19 - 21, 2010  
Facilities Protection Inc.,  
LRTA Line 1 Depot, Pasay City

**Instrumentation and Control Servicing NC II**

September 22 – October 18, 2009  
MIRDC-MTC  
Bicutan, Taguig City

**ACAD 2D (Automated Computer Aided Design 2D)**

September 10 – October 09, 2007  
ACLC College  
Tacloban City

**CHARACTER REFERENCE:**

**Engr. Joseph Dexter S. Buenconsejo**

*Project Manager, Line 2 East Extension Project*  
**Light Rail Transit Authority**  
Line 2 Depot, Marcos Highway,  
Santolan, Pasig City  
Mobile No.: +63927723-4444

**MOTOROLA ACE 3600 SCADA System  
Training**

October 15 - 16, 2010  
Alcatel - Lucent Philippines Site Office,  
Balintawak, Quezon City

**Mechatronics NC II**

October 12 – November 15, 2009  
MIRDC-MTC,  
Bicutan, Taguig City

**Training for the Maintenance and Operation of  
High Speed Circuit Breaker (1500V)**

February 05 – February 07, 2009  
MULTISCAN  
LRTA Line 2 Depot, Santolan, Pasig City

**Engr. Marlon U. Anciro**

*Head, PDS/STS/LRS*  
**Light Rail Manila Corporation**  
Gate 2 Andrews Avenue, Pasay City,  
Mobile No.: +63917821-9941