

Republic of the Philippines
ENERGY REGULATORY COMMISSION
San Miguel Avenue, Pasig City

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RECEIVED BY: 

**IN THE MATTER OF THE
APPLICATION FOR AUTHORITY
TO RETIRE THE LOS BAÑOS
SUBSTATION LOCATED AT
BARANGAY MAAHAS, LOS
BAÑOS, LAGUNA AND TO
WITHDRAW FROM SERVICE
CERTAIN EQUIPMENT AND
MACHINERY INSTALLED IN
SAID SUBSTATION, WITH
PRAYER FOR PROVISIONAL
AUTHORITY,**

ERC CASE NO. 2021- 015 RC

**MANILA ELECTRIC COMPANY
(MERALCO),**

Applicant.

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APPLICATION

Applicant **MANILA ELECTRIC COMPANY (MERALCO)**, by undersigned counsel, and to this Honorable Commission, most respectfully avers that:

1. Applicant is a private corporation duly organized and existing under the laws of the Republic of the Philippines, with principal office located at Lopez Building, Ortigas Avenue, Barangay Ugong, Pasig City. It may be served with notices and other processes of this Honorable Commission through its undersigned counsel at the address indicated herein.

2. Applicant has a legislative franchise to construct, operate and maintain an electric power distribution system for the conveyance of electric power to the end-users in the cities and municipalities of Metro Manila, Bulacan, Cavite and Rizal, and certain cities/municipalities/barangays in Batangas, Laguna, Quezon and Pampanga, pursuant to Republic Act No. 9209.

3. Applicant is filing the instant application to ~~Applicant~~ to seek authority to retire the Los Baños Substation and withdraw certain equipment and machineries in said substation.

4. The instant Application is filed pursuant to the Section 1.7.1 of the Distribution Services and Open Access Rules (DSOAR), as amended.¹

BACKGROUND

5. The Los Baños Substation is located at National Highway, Barangay Maahas, Los Baños, Laguna. The substation has one (1) 12.5 MVA, 34.5 kV -13.8 kV power transformer bank. The substation is installed on a lot owned by the University of the Philippines and subject to a lease agreement.

6. Los Baños Substation is one of the oldest MERALCO odd voltage substations (with voltage other than 34.5 kV or 13.8 kV) and has been in service for more than twenty-four (24) years.

7. Applicant has programmed the gradual conversion of odd-voltage systems (distribution system with voltages other than 34.5 kV or 13.8 kV) to the ultimate standardized 20 kV/34.5 kV (line-to-neutral/line to line) distribution voltage system within its franchise area. The voltage standardization will reduce technical system loss, improve flexibility and reliability of electric service by phasing out isolated odd voltage systems and minimize equipment inventory types. Applicant continuously implements the Odd-Voltage Conversion Program with the aim of having standard voltage systems for its entire franchise area.

8. Hence, Applicant seeks authority from the Honorable Commission to retire the Los Baños Substation and withdraw from service the equipment and machinery installed therein in line with the said program.

¹ The second paragraph of Section 1.7.1 of the amended DSOAR provides:

"1.7.1 AUTHORIZED EQUIPMENT

x x x

The DU may increase, substitute or withdraw from service its authorized equipment and machinery in accordance with the Rules for Approval of Regulated Entities' Capital Expenditure Projects, RDWR and other ERC Rules. If such undertaking is not covered by the RDWR or other rules, authorization shall be secured from the ERC in accordance with pertinent provision of the Rules for Approval of Regulated Entities' Capital Expenditure Projects."

9. With the retirement of the Los Baños Substation, the 13.8 kV loads will be transferred to the 34.5 kV circuit Dila 415DIA. The transfer of said loads will eliminate the redundant 34.5 kV-13.8 kV step-down stage. However, there will be no impact to the customers currently being served by the Los Baños Substation which is

10. The retirement of the said power transformer bank and the complete conversion to 34.5 kV of the circuit in the Los Baños Substation, will result in technical system loss reduction of approximately 223,384 KWHR annually.

11. Currently, the equipment of Los Baños Substation forms part of Applicant's Regulatory Asset Base (RAB). Upon its retirement, some of the equipment and machinery will be reused for distribution services and others will be withdrawn from service. The total amount for equipment and machinery that will be withdrawn from service is Nineteen Million Five Hundred Ninety Seven Thousand Eight Hundred Forty Four and 55/100 Pesos (**PhP19,597,844.55**).

12. In further support of the Application, attached hereto are the following documents:

- a. Annex "A" – Schematic Diagram showing the exact location of Los Baños Substation and pictures thereof;
- b. Annex "B" – Detailed List of Equipment and Machinery to be re-used and/or retired in Los Baños Substation, with corresponding specifications and values; and
- c. Annex "C" – Load Flow Simulation/study conducted on the effect of withdrawal from service of said equipment and machinery.

Allegations in Support of the Prayer for Provisional Authority

13. The issuance of Provisional Authority is warranted under the circumstances considering that there is no reason to continue energizing the Los Baños substation as the loads thereof may be transferred to adjacent source circuits. More importantly, the conversion of the loads of Los Baños Substation to 34.5 kV will result in the reduction of technical system loss and improvement of the electric service by phasing out isolated odd-voltage system. Moreover, the lease agreement with the University of the Philippines is set to expire in May 2021. As such, Applicant will need sufficient time to effect the withdrawal and retirement of the assets in the Los Baños substation.

14. In further support of the Application and prayer for issuance of provisional authority, attached as **Annex "D"** is the Judicial Affidavit of Engr. Roberto D. Isip Jr., Assistant Vice President and Manager of Applicant's Network Asset Planning Office.

PRAYER

WHEREFORE, it is respectfully prayed to this Honorable Commission that: (1) the Application for Retirement of the Los Baños Substation and withdrawal from service of equipment and machinery installed in said substation be **APPROVED**; and (2) Applicant be **ALLOWED** to re-use equipment in said substation that will not be retired.

Pending the hearing on the merits of the case, a Provisional Authority be issued to Applicant.

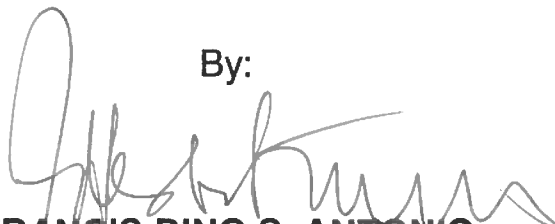
Other relief just and equitable under the premises are likewise prayed for.

Pasig City, 22 February 2021.

MANILA ELECTRIC COMPANY

Lopez Building, Ortigas Avenue
Barangay Ugong, Pasig City

By:



FRANCIS DINO S. ANTONIO

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IBP No. 145337; 01/08/2021; RSM

MCLE Compliance No. VII-0001788; 02 December 2019



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MCLE Compliance No. VII-0001116; 17 October 2019



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MCLE Compliance No. VI-0007787; 6 April 2018



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Republic of the Philippines)
Pasig City

)) S.S.

VERIFICATION and CERTIFICATION OF NON-FORUM SHOPPING

I, **JOSE RONALD V. VALLES**, of legal age, married, and with office address at Manila Electric Company (MERALCO), 12th Floor, Lopez Building, MERALCO Center, Ortigas Avenue, Barangay Ugong, Pasig City, hereby state under oath that:

1. I am the First Vice-President and Head of the Regulatory Management Office of Manila Electric Company, and is authorized to represent it in this Application as per the attached Secretary's Certificate (**Annex "E"**);

2. I have caused the preparation of the instant Application and read the contents thereof, and I attest that the allegations herein contained are true and correct based on my personal knowledge and on authentic records made available to me;

3. The Application is not filed to harass, cause unnecessary delay, or needlessly increase the cost of litigation;

4. The factual allegations therein have evidentiary support or, if specifically so identified, will likewise have evidentiary support after a reasonable opportunity for discovery;

5. I have not commenced any other action or proceeding involving the same issues in the Supreme Court, the Court of Appeals or any court, tribunal, or quasi-judicial agency and, to the best of my knowledge, no such other action or claim is pending therein; and

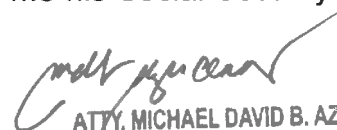
6. Should I hereinafter learn that the same or a similar action or claim has been filed or is pending in the Supreme Court, the Court of Appeals or any court, tribunal, or quasi-judicial agency, I shall report said fact within five (5) days from discovery thereof to this Honorable Commission.

IN WITNESS WHEREOF, I have hereunto affixed my signature this 22nd day of February 2021 at Pasig City, Philippines.


JOSE RONALD V. VALLES
Affiant

SUBSCRIBED and SWORN to before me this 22nd day of February 2021, at Pasig City, Philippines, affiant having exhibited to me his Social Security System ID bearing the number 33-10900088.

Doc. No. 52 ;
Page No. 12 ;
Book No. V ;
Series of 2021.


ATTY. MICHAEL DAVID B. AZUCENA
Pasig, San Juan, and Pateros
Issued on February 18, 2019 at Pasig City
Appointment No. 101 (2019-2020)
Roll No. 58433/IBP No. 139539/1-7-21 Makati Chapter
PTR No. 7204016/1-20-21 Pasig City
MCLE VII-0001090/10-17-19
12th Floor Renaissance Tower 1000 Meralco Ave., Pasig City

[illegible]

LOS BAÑOS SUBSTATION – SCHEMATIC DIAGRAM

ANNEX "B"

Detailed List of Equipment and Machinery in Los Baños Odd-Voltage Substation

DESCRIPTION	VINTAGE YEAR	NET BOOK VALUE AS OF DECEMBER 31, 2020	REMARKS
STRUCTURES AND IMPROVEMENT			
CHB PERIMETER FENCE	9/1/1990	186,551.64	FOR RETIREMENT
STRD. AC/DC DISTRIBUTION BOX MTG. FRAME	1/1/1997	12,001.25	FOR RETIREMENT
POWER CONDUITS	1/1/1997	1,135,092.31	FOR RETIREMENT
GROUNDING SYSTEM:	1/1/1997	604,937.86	FOR RETIREMENT
EQUIPMENT FOUNDATION: 115-13.8KV TRANSF. TAKE -OFF	1/1/1997	182,380.54	FOR RETIREMENT
SUPPORTING STRUCTURES:115KV-13.8KV TRANSF. TAKE-OFF	1/1/1997	515,707.26	FOR REUSE
115KV BUS SUPPORT	1/1/1997	56,956.51	FOR REUSE
115KV BUS SUPPORT MOUNTING COLUMN	1/1/1997	240,270.93	FOR RETIREMENT
115KV DEAD (ADD'L LEGS)	1/1/1997	166,838.87	FOR REUSE
115KV DEAD-END (2 LEGS)	1/1/1997	1,630,445.01	FOR REUSE
115KV DEAD-END (2LEGS)	1/1/1997	569,336.74	FOR REUSE
115KV DEAD-END (ADD'L LEGS)	1/1/1997	608,684.50	FOR REUSE
115KV ISOLATING SW. SUPPORT MTG. COLUMN	1/1/1997	1,111,533.42	FOR RETIREMENT
115KV ISOLATING SWITCH	1/1/1997	92,875.34	FOR RETIREMENT
13.8 KV TERMINAL PEDESTAL	1/1/1997	249,755.38	FOR RETIREMENT
FENCE, PERIMETER, CHB WITH STANDARD STEEL GATE	7/1/1995	121,235.84	FOR REUSE
50 M ROADWAY	1/1/1997	58,372.08	FOR RETIREMENT
60 SQ. M. STANDARD SWITCHGEAR/CONTROL HOUSE	1/1/1997	394,704.09	FOR RETIREMENT
10 GUARDHOUSE W/ CR, A=10 SQ. M.	1/1/1997	81,345.11	FOR RETIREMENT
YARD IMPROVEMENT: 825 SQ. M. CRUSHED ROCK	1/1/1997	13,051.53	FOR RETIREMENT
PERIMETER LIGHTING SYSTEM	6/1/2010	22,582.80	FOR RETIREMENT
REHABILITATION OF LOS BANOS CONTROL HOUSE	5/31/2018	1,335,336.14	FOR RETIREMENT
REHABILITATION OF LOS BANOS TELECOMM HOUSE	5/31/2018	45,148.70	FOR RETIREMENT
DS-Struct and Imprv-ECP-SR, Partial Conversion of Los Banos	6/30/2018	126,306.96	
sub-total		9,561,450.82	
STATION EQUIPMENT			
DS-PXF-20MVA-below; 3-ph; primary voltage 34.5KV	8/31/2018	581,651.93	FOR REUSE
DS-Thermal Indicator	8/31/2018	868.04	FOR REUSE
DS-MCSWGR-13.8kv, MetalClad Enclosures and Bays	12/1/1996	889,744.20	FOR RETIREMENT
DS-GCB, Dead tank, 115kv, 2000A, 40kA	12/1/1996	884,407.40	FOR RETIREMENT
DS-GCB, Dead tank, 115kv, 2000A, 40kA	12/1/1996	884,407.40	FOR RETIREMENT
DS-GCB, Dead tank, 115kv, 2000A, 40kA	12/1/1996	884,407.40	FOR RETIREMENT
DS-GCB, Dead tank, 34.5kv, 1200A, 25kA	4/30/2019	2,822,847.90	FOR REUSE
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 630A	12/1/1996	222,055.00	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 2000A	1/1/1995	210,936.02	FOR RETIREMENT
DS-VCB, Indoor, 13.8kv, 2000A	12/1/1996	309,946.80	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/1996	77,947.49	FOR RETIREMENT
DS-DSwitch-115 kv, 2000 A, w/o ES, manual	1/1/2007	141,901.64	FOR REUSE
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
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DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
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DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Current Transformer- 13.8 kv	1/1/1996	16,153.65	FOR RETIREMENT
DS-Potential Transformer- 34.5 kv	8/31/2018	85,075.76	FOR REUSE
DS-Potential Transformer- 34.5 kv	8/31/2018	85,075.76	FOR REUSE
DS-Potential Transformer- 34.5 kv	8/31/2018	85,075.76	FOR REUSE
DS-Potential Transformer- 13.8 kv	12/1/1996	10,679.60	FOR RETIREMENT
DS-Potential Transformer- 13.8 kv	12/1/1996	10,679.60	FOR RETIREMENT
DS-Potential Transformer- 13.8 kv	12/1/1996	10,679.60	FOR RETIREMENT
DS-Potential Transformer- 13.8 kv	1/31/2019	117,576.92	FOR REUSE
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-96kv, Station Class (115kv sys volt)	12/1/1996	21,668.00	FOR RETIREMENT
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-34.5kv, Station Class (34.5kv sys volt)	8/31/2018	29,549.50	FOR REUSE
DS-SA-15kv, Station Class (13.8kv sys volt)	12/1/1996	4,973.20	FOR RETIREMENT
DS-SA-15kv, Station Class (13.8kv sys volt)	12/1/1996	4,973.20	FOR RETIREMENT
DS-SA-15kv, Station Class (13.8kv sys volt)	12/1/1996	4,973.20	FOR RETIREMENT
DS-SA-15kv, Station Class (13.8kv sys volt)	8/31/2018	13,986.67	FOR REUSE
DS-SA-15kv, Station Class (13.8kv sys volt)	8/31/2018	13,986.67	FOR REUSE

DS-SA-15kV, Station Class (13.8kV sys volt)	8/31/2018	13,986.67	FOR REUSE
DS-Power Transformer Differential Relay	8/1/2009	205,947.47	FOR REUSE
DS-Power Transformer Differential Relay	12/12/2019	550,416.98	FOR REUSE
DS-Lockout Relay	12/1/1996	18,837.20	FOR RETIREMENT
DS-Lockout Relay	12/1/1996	18,837.20	FOR RETIREMENT
DS-Lockout Relay	12/1/1996	18,837.20	FOR RETIREMENT
DS-Lockout Relay	12/12/2019	464,414.34	FOR REUSE
DS-Breaker Failure Relay	12/12/2019	172,005.32	FOR REUSE
DS-Overcurrent Relay	5/1/1989	0.00	FOR RETIREMENT
DS-Overcurrent Relay	9/1/2005	75,414.78	FOR RETIREMENT
DS-Overcurrent Relay	9/1/2005	75,414.78	FOR RETIREMENT
DS-Overcurrent Relay	9/1/2005	75,414.78	FOR RETIREMENT
DS-Overcurrent Relay	9/1/2005	75,414.78	FOR RETIREMENT
DS-Overcurrent Relay	9/1/2005	75,414.78	FOR RETIREMENT
DS-Overcurrent Relay	5/1/2012	134,867.89	FOR REUSE
DS-Overcurrent Relay	12/12/2019	172,005.32	FOR REUSE
DS-Overcurrent Relay	12/12/2019	172,005.32	FOR REUSE
DS-Voltage Relay	12/1/1996	49,179.24	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Bus Differential Relay	7/1/1996	39,066.21	FOR RETIREMENT
DS-Frequency Relay	12/1/1996	25,735.41	FOR RETIREMENT
DS-Distance with Directional Relay	12/1/2010	551,503.33	FOR RETIREMENT
DS-Distance with Directional Relay	12/1/2010	551,503.33	FOR REUSE
DS-Directional Overcurrent Relay	8/1/2013	90,678.76	FOR RETIREMENT
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Line Differential with Directional Relay	12/10/2010	792,371.96	FOR REUSE
DS-Line Differential with Directional Relay	7/30/2019	838,201.82	FOR REUSE
DS-Overcurrent Relay	8/31/2013	94,867.56	FOR REUSE
DS-Overcurrent Relay	8/31/2013	94,867.56	FOR RETIREMENT
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Recloser Switch Relay	12/1/1996	30,853.20	FOR REUSE
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protective Relays, 1-phase	9/1/1998	2,957.66	FOR RETIREMENT
DS-Protection Panel	1/1/1996	392,388.09	FOR RETIREMENT
DS-Protection Panel	1/1/1996	392,388.09	FOR RETIREMENT
DS-Protection Panel	1/1/1996	392,388.09	FOR RETIREMENT
DS-Protection Panel	1/1/1996	392,388.09	FOR RETIREMENT
DS-Protection Panel	1/1/1996	392,388.09	FOR RETIREMENT
DS-Protection Panel	1/1/1996	1,177,164.28	FOR RETIREMENT
DS-Protection Panel	12/12/2019	17,200.55	FOR REUSE
DS-Voltage Regulator Controller	12/31/2014	190,812.92	FOR RETIREMENT
DS-Trip Circuit Supervision Relay	12/1/1996	54,869.76	FOR RETIREMENT
DS-Control Panel (1 Cubicle)	1/1/1996	560,749.28	FOR RETIREMENT
DS-Control Panel (1 Cubicle)	1/1/1996	1,121,498.56	FOR RETIREMENT
DS-Control Panel (1 Cubicle)	1/1/1996	280,374.64	FOR RETIREMENT
DS-RTU Processor Board	7/1/2011	19,496.52	FOR REUSE
DS-RTU Input/Output Module	12/1/2009	0.00	FOR REUSE
DS-RTU Input/Output Module	1/1/2010	0.00	FOR REUSE
DS-RTU Input/Output Module	1/1/2010	0.00	FOR REUSE
DS-RTU Input/Output Module	5/31/2018	96,866.82	FOR REUSE
DS-RTU Chassis Module	7/1/2011	8,048.31	FOR REUSE
DS-RTU Main Power Supply	7/1/2011	5,125.63	FOR REUSE
DS-RTU PRD Panel	4/1/2006	0.00	FOR REUSE
DS-RTU PRD Panel	4/1/2006	0.00	FOR RETIREMENT
DS-RTU PRD Panel	4/1/2006	0.00	FOR RETIREMENT
DS-RTU PRD Panel	4/1/2006	0.00	FOR RETIREMENT
DS-RTU Cubicle	4/1/2006	0.00	FOR RETIREMENT
DS-RTU Cubicle	4/1/2006	0.00	FOR RETIREMENT
DS-RTU Communication Converter	11/1/2006	0.00	FOR REUSE
DS-Uninterruptible Power Supply	10/1/2012	30,655.90	FOR REUSE
DS-RTU IED Type II Meter	11/30/2016	911,241.42	FOR REUSE
DS-RTU Voltage IED Meter	5/1/2008	0.00	FOR REUSE
DS-Integrating Platform Equipment	12/1/2012	75,953.40	FOR REUSE
DS-Terminal Server	12/1/2012	35,050.80	FOR REUSE
DS-SST, 37.5 KVA, 1-PH, 7.62KV-240/120V	12/1/1996	13,765.61	FOR RETIREMENT
DS-SST, 37.5 KVA, 1-PH, 7.62KV-240/120V	12/1/1996	13,765.61	FOR RETIREMENT
DS-S-Batt-Ld Acid 360 AH; 60 - 2V Cells; 120 VDC	12/31/2016	314,922.76	FOR RETIREMENT
DS-Batt Chrg-35 A, 125 VDC	8/1/1998	49,098.86	FOR REUSE
DS-Distribution Box-OutDoor DC	12/1/1996	44,974.80	FOR RETIREMENT
DS-Distribution Box-OutDoor AC	12/1/1996	99,073.60	FOR RETIREMENT
DS-Distribution Box-OutDoor AC	12/1/1996	99,073.60	FOR RETIREMENT
DS-Distribution Box-OutDoor AC	12/1/1996	99,073.60	FOR RETIREMENT
DS-S/S Cap 13.8 kV, 3.6 MVar Cap Bank	12/1/1996	80,064.64	FOR RETIREMENT
DS-Distribution Box-OutDoor DC	12/1/1996	44,974.80	FOR RETIREMENT
sub-total		23,553,700.90	

TELECOMMS			
DS-Data Communication Equipment	9/1/2010	0.00	FOR REUSE
DS-Data Communication Equipment	9/1/2010	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
DS-Communication Ancillary Equipment	10/1/2006	0.00	FOR REUSE
DS-Communication Ancillary Equipment	8/1/2005	0.00	FOR REUSE
Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
Wireless Transmission Equipment	10/1/2006	0.00	FOR REUSE
Wireless Transmission Equipment	12/1/2012	9,565.49	FOR REUSE
Wireless Transmission Equipment	7/31/2015	22,220.33	FOR REUSE
Wireless Transmission Equipment	12/1/2012	14,105.11	FOR REUSE
Protection Signalling Equipment	5/1/2011	3,326.82	FOR REUSE
Protection Signalling Equipment	5/1/2011	777.95	FOR REUSE
Protection Signalling Equipment	5/1/2011	4,600.76	FOR REUSE
Protection Signalling Equipment	5/1/2011	4,600.76	FOR REUSE
Protection Signalling Equipment	5/1/2011	950.29	FOR REUSE
Protection Signalling Equipment	5/1/2011	3,321.51	FOR REUSE
Protection Signalling Equipment	5/1/2011	2,793.01	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,532.09	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,532.09	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,292.93	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,292.93	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,292.93	FOR REUSE
Protection Signalling Equipment	5/1/2011	1,292.93	FOR REUSE
Protection Signalling Equipment	5/1/2011	2,004.76	FOR REUSE
Protection Signalling Equipment	5/1/2011	639.19	FOR REUSE
Protection Signalling Equipment	5/1/2011	430.98	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	5,541.41	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	5,541.41	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	9,238.65	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	6,635.39	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	3,452.93	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	4,616.25	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	7,611.95	FOR REUSE
DS-Wired Transmission Equipment	12/1/2012	15,690.36	FOR REUSE
DS-Wired Transmission Equipment	5/1/2011	282.09	FOR REUSE
DS-Communication Cables	6/30/2019	2,960,287.93	FOR REUSE
DS-Wireless Transmission Equipment	6/30/2019	14,024,878.72	FOR REUSE
DS-Communication Ancillary Equipment	6/30/2019	301,268.23	FOR REUSE
DS-Communication Ancillary Equipment	6/30/2019	1,236,883.87	FOR REUSE
DS-Communication Ancillary Equipment	6/30/2019	188,994.40	FOR REUSE
Other Miscellaneous Equipment and Appliances	2/28/2006	702.74	FOR REUSE
Other Miscellaneous Equipment and Appliances	5/1/2007	5,542.42	FOR REUSE
sub-total		<u>18,854,741.61</u>	
GRAND TOTAL		<u><u>51,969,893.32</u></u>	



Gerardo V. Lozada
Network Asset Planning
Substation Asset Planning

LOS BAÑOS SUBSTATION: Facilities for retirement and not for reuse

NO.	DESCRIPTION	NET BOOK VALUE	REMARKS
1	CH-B PERIMETER FENCE	186,551.64	
2	STRD. AC/DC DISTRIBUTION BOX MTG. FRAME	12,001.25	
3	POWER CONDUITS	1,135,092.31	
4	GROUNDING SYSTEM:	604,937.86	
5	EQUIPMENT FOUNDATION: 115-13.8KV TRANSF. TAKE -OFF	182,380.54	
6	115KV BUS SUPPORT MOUNTING COLUMN	240,270.93	
7	115KV ISOLATING SW. SUPPORT MTG. COLUMN	1,111,533.42	
8	115KV ISOLATING SWITCH	92,875.34	
9	13.8 KV TERMINAL PEDESTAL	249,755.38	
10	50 M ROADWAY	58,372.08	
11	60 SQ. M. STANDARD SWITCHGEAR/CONTROL HOUSE	394,704.09	
12	10 GUARDHOUSE W/ CR, A=10 SQ. M.	81,345.11	
13	YARD IMPROVEMENT: 825 SQ. M. CRUSHED ROCK	13,051.53	
14	PERIMETER LIGHTING SYSTEM	22,582.80	
15	REHABILITATION OF LOS BANOS CONTROL HOUSE	1,335,336.14	
16	REHABILITATION OF LOS BANOS TELECOMM HOUSE	45,148.70	
17	DS-MCSWGR-13.8kV, MetalClad Enclosures and Bays	889,744.20	
18	DS-GCB, Dead tank, 115kV, 2000A, 40kA	884,407.40	
19	DS-GCB, Dead tank, 115kV, 2000A, 40kA	884,407.40	
20	DS-GCB, Dead tank, 115kV, 2000A, 40kA	884,407.40	
21	DS-VCB, Indoor, 13.8kV, 630A	222,055.00	
22	DS-VCB, Indoor, 13.8kV, 630A	222,055.00	
23	DS-VCB, Indoor, 13.8kV, 630A	222,055.00	
24	DS-VCB, Indoor, 13.8kV, 630A	222,055.00	
25	DS-VCB, Indoor, 13.8kV, 630A	222,055.00	
26	DS-VCB, Indoor, 13.8kV, 2000A	210,936.02	
27	DS-VCB, Indoor, 13.8kV, 2000A	309,946.80	
28	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
29	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
30	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
31	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
32	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
33	DS-DSwitch-115 kV, 2000 A, w/o ES, manual	77,947.49	
34	DS-Current Transformer- 13.8 kV	16,153.65	
35	DS-Current Transformer- 13.8 kV	16,153.65	
36	DS-Current Transformer- 13.8 kV	16,153.65	
37	DS-Current Transformer- 13.8 kV	16,153.65	
38	DS-Current Transformer- 13.8 kV	16,153.65	
39	DS-Current Transformer- 13.8 kV	16,153.65	
40	DS-Current Transformer- 13.8 kV	16,153.65	
41	DS-Current Transformer- 13.8 kV	16,153.65	
42	DS-Current Transformer- 13.8 kV	16,153.65	
43	DS-Current Transformer- 13.8 kV	16,153.65	
44	DS-Current Transformer- 13.8 kV	16,153.65	
45	DS-Current Transformer- 13.8 kV	16,153.65	
46	DS-Current Transformer- 13.8 kV	16,153.65	
47	DS-Current Transformer- 13.8 kV	16,153.65	
48	DS-Current Transformer- 13.8 kV	16,153.65	
49	DS-Current Transformer- 13.8 kV	16,153.65	
50	DS-Current Transformer- 13.8 kV	16,153.65	
51	DS-Current Transformer- 13.8 kV	16,153.65	
52	DS-Current Transformer- 13.8 kV	16,153.65	
53	DS-Current Transformer- 13.8 kV	16,153.65	
54	DS-Current Transformer- 13.8 kV	16,153.65	
55	DS-Current Transformer- 13.8 kV	16,153.65	
56	DS-Potential Transformer- 13.8 kV	10,679.60	
57	DS-Potential Transformer- 13.8 kV	10,679.60	
58	DS-Potential Transformer- 13.8 kV	10,679.60	
59	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
60	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
61	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
62	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
63	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
64	DS-SA-96kV, Station Class (115kV sys volt)	21,668.00	
65	DS-SA-15kV, Station Class (13.8kV sys volt)	4,973.20	
66	DS-SA-15kV, Station Class (13.8kV sys volt)	4,973.20	
67	DS-SA-15kV, Station Class (13.8kV sys volt)	4,973.20	

LOS BAÑOS SUBSTATION: Facilities for retirement and not for reuse

NO.	DESCRIPTION	NET BOOK VALUE	REMARKS
68	DS-Lockout Relay	18,837.20	
69	DS-Lockout Relay	18,837.20	
70	DS-Lockout Relay	18,837.20	
71	DS-Overcurrent Relay	0.00	FULLY DEPRECIATED
72	DS-Overcurrent Relay	75,414.78	
73	DS-Overcurrent Relay	75,414.78	
74	DS-Overcurrent Relay	75,414.78	
75	DS-Overcurrent Relay	75,414.78	
76	DS-Overcurrent Relay	75,414.78	
77	DS-Voltage Relay	49,179.24	
78	DS-Bus Differential Relay	39,066.21	
79	DS-Bus Differential Relay	39,066.21	
80	DS-Bus Differential Relay	39,066.21	
81	DS-Bus Differential Relay	39,066.21	
82	DS-Bus Differential Relay	39,066.21	
83	DS-Bus Differential Relay	39,066.21	
84	DS-Frequency Relay	25,735.41	
85	DS-Distance with Directional Relay	551,503.33	
86	DS-Directional Overcurrent Relay	90,678.76	
87	DS-Overcurrent Relay	94,867.56	
88	DS-Protective Relays, 1-phase	2,957.66	
89	DS-Protective Relays, 1-phase	2,957.66	
90	DS-Protective Relays, 1-phase	2,957.66	
91	DS-Protective Relays, 1-phase	2,957.66	
92	DS-Protective Relays, 1-phase	2,957.66	
93	DS-Protective Relays, 1-phase	2,957.66	
94	DS-Protective Relays, 1-phase	2,957.66	
95	DS-Protection Panel	392,388.09	
96	DS-Protection Panel	392,388.09	
97	DS-Protection Panel	392,388.09	
98	DS-Protection Panel	392,388.09	
99	DS-Protection Panel	392,388.09	
100	DS-Protection Panel	1,177,164.28	
101	DS-Voltage Regulator Controller	190,812.92	
102	DS-Trip Circuit Supervision Relay	54,869.76	
103	DS-Control Panel (1 Cubicle)	560,749.28	
104	DS-Control Panel (1 Cubicle)	1,121,498.56	
105	DS-Control Panel (1 Cubicle)	280,374.64	
106	DS-RTU PRD Panel	0.00	FULLY DEPRECIATED
107	DS-RTU PRD Panel	0.00	FULLY DEPRECIATED
108	DS-RTU PRD Panel	0.00	FULLY DEPRECIATED
109	DS-RTU Cubicle	0.00	FULLY DEPRECIATED
110	DS-RTU Cubicle	0.00	FULLY DEPRECIATED
111	DS-SST, 37.5 KVA, 1-PH, 7.62KV-240/120V	13,765.61	
112	DS-SST, 37.5 KVA, 1-PH, 7.62KV-240/120V	13,765.61	
113	DS-S-Batt-Ld Acid 360 AH; 60 - 2V Cells; 120 VDC	314,922.76	
114	DS-Distribution Box-OutDoor DC	44,974.80	
115	DS-Distribution Box-OutDoor AC	99,073.60	
116	DS-Distribution Box-OutDoor AC	99,073.60	
117	DS-Distribution Box-OutDoor AC	99,073.60	
118	DS-S/S Cap 13.8 kV, 3.6 MVar Cap Bank	80,064.64	
119	DS-Distribution Box-OutDoor DC	44,974.80	

TOTAL COST

19,597,844.55



Gerardo V. Lozada
 Network Asset Planning
 Substation Asset Planning

RETIREMENT OF LOS BAÑOS 34.5 KV – 13.8 KV SUBSTATION AND COMPLETE
CONVERSION OF LOS BAÑOS 34WT TO 20 KV/ 34.5 KV

Background & Reason:

MERALCO has programmed the gradual conversion of odd-voltage systems to the ultimate distribution voltage for its franchise area. The project, "Retirement of Los Baños 34.5 kV – 13.8 kV Substation and Complete Conversion of Los Baños 34WT to 20 kV/34.5 kV", is in line with MERALCO's conversion program which will give way to the development of the ultimate 20 kV / 34.5 kV distribution system in this odd-voltage area. The conversion program is intended to reduce technical losses, improve feeder flexibility and voltage regulation as well as eliminate unnecessary inventory costs of maintaining odd-voltage equipment.

The retirement of Los Baños Substation has no adverse impact on the existing customers. The 13.8 kV loads of Los Baños 34WT are presently being converted and transferred to 34.5 kV circuit Dila 415DIA.

The conversion of 13.8 kV circuit of Los Baños would provide much needed reserve capacity for contingency operations, giving customers in the area more flexible and reliable source.

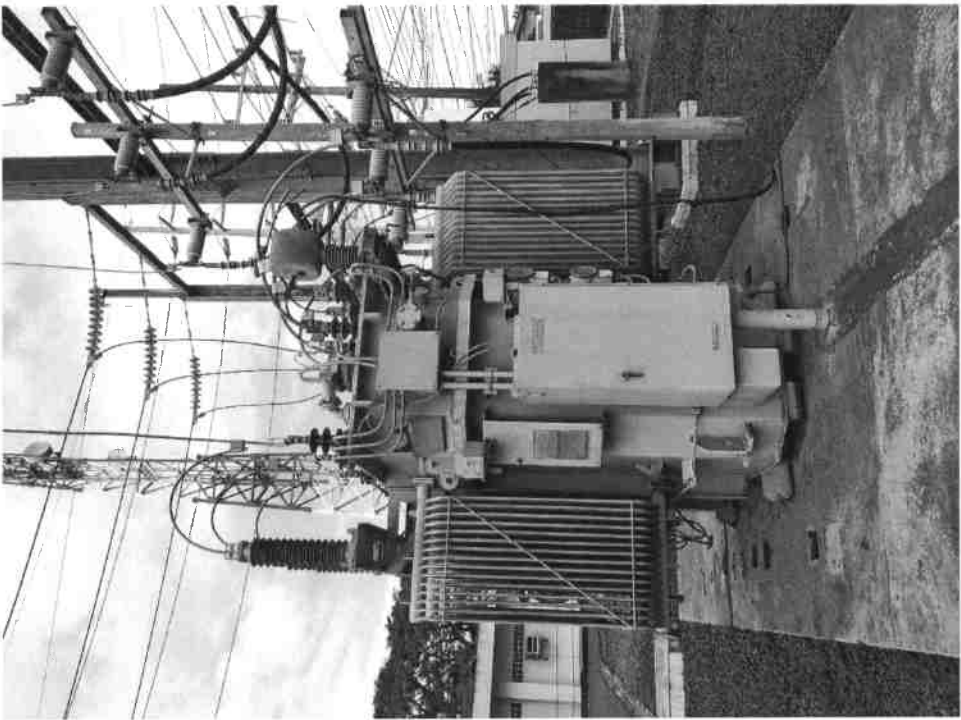
Loss Reduction:

The retirement of the 12.5 MVA, 34.5 kV – 13.8 kV bank and the conversion to 34.5 kV of circuit Los Baños 34WT, would result in technical system loss reduction of approximately **223,384 KWHR annually**.

Load Analysis:

BANK/FEEDER	CAPACITY	WITHOUT PROJECT		WITH PROJECT	
		LOADING	% LOADING	LOADING	% LOADING
LOS BAÑOS BK#1	12.5	4.67	37%	-	-
LOS BAÑOS 34WT	11.47	1.74	15%	-	-
DILA BK#1	83	61.85	74%	61.85	74%
DILA 415DIA	31.67	21.63	68%	21.63	68%
*Capacity & Loading in MVA					


GVL/RPN/JGBD/WW/RR



Republic of the Philippines
ENERGY REGULATORY COMMISSION
San Miguel Avenue, Pasig City

IN THE MATTER OF THE
APPLICATION FOR AUTHORITY
TO RETIRE THE LOS BAÑOS
SUBSTATION LOCATED AT
BARANGAY MAAHAS, LOS
BAÑOS, LAGUNA AND TO
WITHDRAW FROM SERVICE
CERTAIN EQUIPMENT AND
MACHINERY INSTALLED IN
SAID SUBSTATION, WITH
PRAYER FOR PROVISIONAL
AUTHORITY,

ERC CASE NO. 2021-_____

MANILA ELECTRIC COMPANY
(MERALCO),

Applicant.

X-----X

JUDICIAL AFFIDAVIT
OF ENGR. ROBERTO D. ISIP JR.

The following examination of witness **ENGR. ROBERTO D. ISIP JR.**, of legal age, with office address at 5th Floor, Technical Services Building, Ortigas Avenue, Barangay Ugong, Pasig City and who is the Assistant Vice President and Manager of MERALCO's Network Asset Planning Office, was conducted by Atty. Ma. Elisha S. Eloriaga, at the 7th Floor, Lopez Building, Ortigas Avenue, Barangay Ugong, Pasig City, on 22 February 2021.

The testimony of **ENGR. ROBERTO D. ISIP JR.** is being offered for following purposes:

1. To prove that there is a need to retire the Los Baños Substation and to withdraw from service certain equipment and machineries installed therein and that the same is in pursuit of Applicant's Conversion Program of its distribution system odd-

voltages to the standardized 20 kV/34.5 kV distribution system in its franchise area;

2. To prove that the retirement of the Los Baños Substation and withdrawal from service of certain equipment and machineries installed therein will not have an adverse impact to the customers in the areas served by the substation;
3. To prove that the issuance of a provisional authority is warranted under the circumstances;
4. To identify the supporting documents to the Application; and
5. To prove all matters pertinent to the Application.

I, **ROBERTO D. ISIP JR.**, Filipino, married, of legal age, with office address at Manila Electric Company (MERALCO), 5th Floor, Technical Services Building, Meralco Center, Ortigas Avenue, Barangay Ugong, Pasig City, after having been duly sworn to in accordance with law, fully conscious that I am answering the questions under oath, hereby depose and state THAT:

Q1: What are your professional and educational qualifications?

A1: I have a Bachelor of Science degree in Electrical Engineering (BSEE) from Mapua Institute of Technology. I am also a Professional Electrical Engineer.

Q2: Where are you presently employed?

A2: I am presently employed at the Manila Electric Company (MERALCO) as Assistant Vice President and Manager of its Network Asset Planning Office.

Q3: How long have you been employed by MERALCO?

A3: I have been employed by MERALCO for more than 30 years. I have worked at MERALCO since August 1, 1990.

Q4: What are your duties and responsibilities as Assistant Vice President and Manager of MERALCO's Network Asset Planning Office?

A4: My duties and responsibilities involve, among other things, the preparation, review and approval of short-range (one to two years), Medium Range (up to five years horizon) and long range (more than five years) major substation, subtransmission and distribution Electrical Capital Projects (ECP) for the purposes of meeting future load growth. In light of the foregoing, part of my

functions involve the determination of the substation facilities due for retirement.

Q5: Are you familiar with the Application of MERALCO entitled: **"IN THE MATTER OF THE APPLICATION FOR AUTHORITY TO RETIRE THE LOS BAÑOS SUBSTATION LOCATED AT BARANGAY MAAHAS, LOS BAÑOS, LAGUNA AND TO WITHDRAW FROM SERVICE CERTAIN EQUIPMENT AND MACHINERY INSTALLED IN SAID SUBSTATION, WITH PRAYER FOR PROVISIONAL AUTHORITY"**?

A5: Yes. I am familiar with said Application since I have participated in the preparation of the said Application as well as its supporting documents.

Q6: What are the supporting documents you provided/prepared in relation to the Application?

A6: The following are the supporting documents to the Application:

- **Annex "A"** –Schematic Diagram showing the exact location of Los Baños Substation and pictures thereof.
- **Annex "B"**- Detailed List of Equipment and Machinery to be re-used and/or retired in Los Baños Substation, with corresponding specifications and values.
- **Annex "C"** –Load Flow Simulation/study conducted on the effect of withdrawal from service of said equipment and machinery.

Q7: What are the bases for filing the instant Application?

A7: The instant Application is filed pursuant to Section 1.7.1 of the Distribution Services and Open Access Rules (DSOAR), as amended, which provides:

"1.7.1

xxx

The DU may increase, substitute or withdraw from service its authorized equipment and machinery in accordance with the Rules for Approval of Regulated Entities' Capital Expenditure Projects, RDWR and other ERC Rules. If such undertaking is not covered by the RDWR or other rules, authorization shall be secured from the ERC in accordance with pertinent provision of the Rules for Approval of Regulated Entities' Capital Expenditure Projects."

Q8: What is the subject matter of the instant Application?

A8: The Applicant, through the instant Application seeks the authority from the Honorable Commission to retire the Los Baños Substation and withdraw from service certain equipment and machinery installed therein.

Q9: Why is there a need to retire the said substation?

A9: Applicant has programmed the gradual conversion of odd- voltage systems (distribution system with voltages other than 34.5 kV or 13.8 kV) to the ultimate standardized 20 kV/34.5 kV (line-to-neutral/line to line) distribution voltage system within its franchise area. Odd voltage distribution systems are generally stepped down from standard voltage facilities and are out-moded redundant systems that are no longer necessary under present conditions. The voltage standardization will reduce technical system loss, improve flexibility and reliability of electric service by phasing out isolated odd voltage systems and minimize equipment inventory types. Applicant continuously implements its Odd-Voltage Conversion Program with the aim of having standard voltage systems for its entire franchise area.

The Los Baños Substation is installed on a lot owned by the University of the Philippines and subject to a lease agreement. It has a lot area of 2,500 square meters (sqm), and is located at the National Highway, Barangay Maahas, Los Baños, Laguna. The said substation has been in service for more than twenty-four (24) years and has an existing 13.8 kV odd-voltage circuit specifically 34WT.

Thus, there is a need to retire the Los Baños Substation and withdraw from service certain equipment and machinery installed therein in line with its conversion program.

Q10: What will be the impact of the retirement of said substation to the Regulatory Asset Base (RAB) of Applicant?

A10: Currently, the Los Baños Substation is part of Applicant's Regulatory Asset Base (RAB). Upon its retirement, some of the equipment and machinery will be reused for distribution services and others will be withdrawn from service.

Q11: What is the impact of the retirement of the Los Baños Substation and withdrawal from service of certain equipment and machineries installed therein to MERALCO's customers in the affected areas?

A11: With the retirement of the Los Baños Substation, the 13.8 kV loads will be transferred to the 34.5 kV circuit Dila 415DIA. The transfer of said loads will eliminate the redundant 34.5 kV-13.8 kV step-down stage. However, there will be no impact to the customers currently being served by the Los Baños Substation.

In addition, the retirement of the said power transformer bank and the complete conversion to 34.5 kV of the circuit in the Los Baños Substation, will result in technical system loss reduction of approximately 223,384 KWHR annually.

Q12: Why is MERALCO requesting for the issuance of a Provisional Authority under the instant Application?

A12: The issuance of Provisional Authority is warranted under the circumstances considering that there is no reason to continue energizing the Los Baños substation as the loads thereof may be transferred to adjacent source circuits. More importantly, the conversion of the loads of Los Baños Substation to 34.5 kV will result in the reduction of technical system loss and improvement of the electric service by phasing out isolated odd-voltage system. Moreover, the lease agreement with the University of the Philippines is set to expire in May 2021. As such, Applicant will need sufficient time to effect the withdrawal and retirement of the assets in the Los Baños substation.

Q13: Can you tell us why you are executing this Judicial Affidavit?

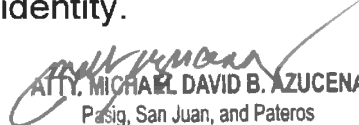
A13: I am executing this Judicial Affidavit to attest to the truthfulness and veracity of the foregoing statements and in support of MERALCO's Application.

IN WITNESS WHEREOF, I have hereunto affixed my signature this 22nd day of February 2021 at Pasig City, Philippines.


ROBERTO D. ISIP JR.
Affiant

SUBSCRIBED AND SWORN TO before me this 22nd day of February 2021 by Engr. Roberto D. Isip Jr. exhibiting his SSS ID with No. 3304025924 as his competent proof of identity.

Doc. No.: 53 ;
Page No.: 12 ;
Book No.: V ;
Series of 2021.


ATTY. MICHAEL DAVID B. AZUCENA
Pasig, San Juan, and Pateros
Issued on February 18, 2019 at Pasig City
Appointment No. 101 (2019-2020)
Roll No. 58433/IBP No. 139539/1-7-21 Makati Chapter
PTR No. 7204016/1-20-21 Pasig City
MCLE VII-0001090/10-17-19
5th Floor Renaissance Tower 1000 Meralco Ave., Pasig City

ATTESTATION

I, Atty. Ma. Elisha S. Eloriaga, of legal age, Filipino, with office address at the 7th Floor, Lopez Building, Ortigas Avenue, Barangay Ugong, Pasig City attest to the following that:

1. I conducted the direct examination of Engr. Roberto D. Isip Jr., the witness to testify on matters in support of the Application entitled **IN THE MATTER OF THE APPLICATION FOR AUTHORITY TO RETIRE THE LOS BAÑOS SUBSTATION LOCATED AT BARANGAY MAAHAS, LOS BAÑOS, LAGUNA AND TO WITHDRAW FROM SERVICE CERTAIN EQUIPMENT AND MACHINERY INSTALLED IN SAID SUBSTATION, WITH PRAYER FOR PROVISIONAL AUTHORITY;**

2. I have faithfully recorded or caused to be recorded the questions I asked and the answers given by the witness;

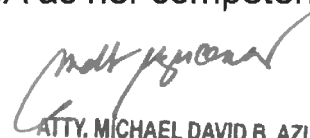
3. Neither I nor any other person coached the witness regarding his answers.

IN WITNESS WHEREOF, I have hereunto affixed my signature this 22nd day of February 2021, at Pasig City, Philippines.


ATTY. MA. ELISHA S. ELORIAGA
Affiant

SUBSCRIBED AND SWORN to before me this 22nd day of February 2021 by **ATTY. MA. ELISHA S. ELORIAGA** who exhibited her Passport ID with Passport No. P7167173A as her competent proof of identity.

Doc. No.: 54;
Page No.: 12;
Book No.: 1;
Series of 2021.


ATTY. MICHAEL DAVID B. AZUCENA
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5th Floor Renaissance Tower 1000 Meralco Ave., Pasig City

REPUBLIC OF THE PHILIPPINES)
PASIG CITY) S.S.

SECRETARY'S CERTIFICATE

I, WILLIAM S. PAMINTUAN, a duly elected, qualified and incumbent Assistant Corporate Secretary of the Manila Electric Company (MERALCO), a corporation duly organized and existing under and by virtue of the laws of the Philippines, do hereby certify that:

At the organizational meeting of the Board of Directors of the Company duly convened and held on September 28, 2020, at which meeting a quorum was present, acted throughout and voted, the following resolution amending the resolution of the Board on June 24, 2019 on the same subject, was approved and that said amendatory resolution is in full force and effect on the date hereof:

"RESOLVED, that the Board of Directors of the Manila Electric Company (MERALCO) authorize, as it hereby authorizes, Messrs. MANUEL V. PANGILINAN, Chairman, RAY C. ESPINOSA, President and Chief Executive Officer, SIMEON KEN R. FERRER, Corporate Secretary, ROBERTO R. ALMAZORA, Senior Vice President, RONNIE L. APEROCHO, Senior Vice President & Head, Networks, WILLIAM S. PAMINTUAN, Senior Vice President, Assistant Corporate Secretary, Compliance Officer and Head, Legal and Corporate Governance, FERDINAND O. GELUZ, First Vice President and Chief Commercial Officer, EDGARDO V. CARASIG, First Vice President & Head, Human Resources & Corporate Services, MARIA LUISA V. ALVENDIA, First Vice President & Officer-In-Charge, Supply Chain Management, JOSE RONALD V. VALLES, First Vice President and Head, Regulatory Management Office, MARIA ZARAH R. VILLANUEVA-CASTRO, Vice President & Head, Corporate Legal Services, RAUL G. CORALDE, Assistant Vice President & Head, Litigation Services, MICHELLE O. DELOS SANTOS-BONA, Assistant Vice President & Head, Legal Operations Support, CRISTOPHER B. ARPON, Legal Counsel & Head, Litigation Team 1, CORNELIO MANUEL III C. DICCION, Manager & Head, Litigation Team 2, EUGENE JUDE DENIS GERARD E. ALABANZA, Senior Manager & Head, Tax & Labor Litigation, and any lawyer or employee of MERALCO that any of them may designate, name or appoint:

- (1) to represent the Company, in the institution, prosecution, and defense of any claim, complaint, action, proceeding, petition, application, protest, suit, or case, for or against the Company, before any court, prosecutor's office, regulatory, quasi-judicial, or administrative body, agency, or office of the national or any local government;
- (2) to sign, execute, and deliver in connection therewith the necessary or appropriate complaint, petition, application, position paper, memorandum, all types of pleadings and motions, verifications, affidavit-complaint, counter-affidavit, affidavit of merit, affidavit of desistance, affidavit of witness, and all other affidavits of whatever nature, certificate of non-forum shopping, powers of attorney, certifications, and all other instruments as may be necessary or proper;

- (3) to represent the Company or to designate, name, and appoint a representative or an attorney-in-fact in behalf of the company during the investigation, inquest, preliminary investigation, preliminary conference, pre-trial, mediation, conciliation, arbitration, trial, execution, and all other stages of or incidents related to the case, proceeding or action; to negotiate, enter into, and agree to an amicable settlement, compromise agreement, plea bargaining, admissions or stipulations of fact or documents, simplification of issues, limitation on the number of witnesses, alternative modes of dispute resolution, withdrawal, dismissal or waiver of claim or action; and to perform and execute any and all actions or deeds as may aid in the prompt disposition of such cases, proceedings, or actions filed in behalf of or against the Company;

"RESOLVED, FURTHER, that any previous resolution of the Board of Directors on the same subject matter that is inconsistent herewith shall be deemed terminated, superseded and revoked."

Pursuant to the above resolutions, it is hereby certified that MERALCO is authorized to file the Application, entitled "IN THE MATTER OF THE APPLICATION FOR AUTHORITY TO RETIRE THE LOS BAÑOS SUBSTATION LOCATED AT BARANGAY MAAHAS, LOS BAÑOS, LAGUNA AND TO WITHDRAW FROM SERVICE CERTAIN EQUIPMENT AND MACHINERY INSTALLED IN SAID SUBSTATION, WITH PRAYER FOR PROVISIONAL AUTHORITY, Manila Electric Company (MERALCO), *Applicant*," with the Energy Regulatory Commission (ERC), and that Jose Ronald V. Valles, First Vice President and Head of Regulatory Management Office, is an authorized representative and signatory of the Company with respect to the aforesaid Application.

WITNESS THE SIGNATURE of the undersigned as such officer of the Company and its corporate seal hereunto affixed on this 16th day of February 2021.


WILLIAM S. PAMINTUAN
 Assistant Corporate Secretary

SUBSCRIBED AND SWORN to before me this 16th day of February 2021, affiant exhibited to me his Taxpayer Identification Number (TIN) 146-473-562, issued by the Bureau of Internal Revenue (BIR) as his competent evidence of identity.

Doc. No. 50;
 Page No. 11;
 Book No. V;
 Series of 2021.


ATTY. MICHAEL DAVID B. AZUCENA
 Pasig, San Juan, and Pateros
 Issued on February 18, 2021 at Pasig City
 Appointment No. 101 (2019-2020)
 Roll No. 58433/IBP No. 139539/1-7-21 Makati Chapter
 PTR No. 7204016/1-20-21 Pasig City
 MCLE VII-0001090/10-17-19
 5th Floor Renaissance Tower 1000 Meralco Ave., Pasig City

REPUBLIC OF THE PHILIPPINES)
PASIG CITY) S.S.

VERIFIED DECLARATION

I, **MARY GRACE M. DEVARAS**, of legal age, Filipino, with office address at the 7th floor, Lopez Building, Ortigas Avenue, Pasig City, after having duly sworn in accordance with law, hereby depose and state:

1. I am one of the Dedicated Liaison Officers of Manila Electric Company (MERALCO) as stated under the Certificate of Registration ER No. 2020-0079-1 issued by the Energy Regulatory Commission (ERC). As such, I am one of the duly authorized representatives to undertake the pre-filing process with respect to the application to be pre-filed by MERALCO for the retirement of the Los Baños substation.

2. I hereby declare that, in compliance with ERC Resolution No. 9, Series of 2020, the documents submitted by MERALCO electronically as part of the virtual pre-filing process are complete and true copies of the original documents.

IN WITNESS WHEREOF, I hereby affix my signature this day of MAR day 03 2021 March 2021.


MARY GRACE M. DEVARAS

SUBSCRIBED AND SWORN to before me this MAR 03 2021 day of 2021 2021 at Pasig City, Philippines, affiant exhibiting to me her SSS ID No. 3371309592.

Doc. No. 350;
Page No. 71;
Book No. IV;
Series of 2021.


ATTY. RAYMOND B. YAP
NOTARY PUBLIC
Appointment No. 104 (2019-2020)
Pasig, San Juan and Pateros
Issued on 11 February 2019 at Pasig City
valid until 30 June 2021, as granted
by Atty. Matter No. 3005
Roll No. 45885 IEP No. 145333; 1-06-21; Capiz
ETP No. 100625; 1-06-21; 100625
7th, Pasig, Ortigas Ave., Pasig City