

**MANILA INTERNATIONAL AIRPORT AUTHORITY
ACCOMPLISHMENT REPORT ON MAJOR PROJECTS
CY 2023**

I. Major Programs and Projects

Completed

A. Improvement of the Airside

	Project	Cost (Php)	Completion Date	Project Description	Target Beneficiaries
1	Repair and Upgrading of Taxiway Hotel-1 (H1), Charlie-1 (C1), Charlie-2 (C2), Charlie-3 (C3), Charlie-4 (C4) and Charlie-5 (C5)				
	➤ Consultancy Services: Detailed Engineering Design (DED) and Construction Management Supervision (CMS)	56.08 M	April 22, 2023	○ Consultancy Services includes the preparation of complete design/engineering services and contract bidding documents and construction supervision of the project in compliance with international standards and practices.	Pilots / airlines and drivers at aircraft movement areas
	➤ Package 1: Civil Works	881.28 M	Original Target Completion Date: Apr. 26, 2023 Revised Target Completion Date: N/A (The remaining portion of the civil works has been discontinued so as not to disrupt airport operations.)	○ Package 1 involves the upgrading of Taxiway Charlie and H-1 from flexible to rigid pavement, making it load bearing to accommodate the new large aircraft. The project improves aerodrome safety by allowing reliable aircraft operation and maneuvering.	Pilots / airlines and drivers at aircraft movement areas
	➤ Package 2: Electrical Works	299 M	Aug 27, 2023	○ Package 2 involves the installation of new LED runway edge lights at Runway 06/24 to prevent runway incursions, allowing the smooth flow of taxiing aircrafts.	Pilots / airlines and drivers at aircraft movement areas
	TOTAL	<u>1,236.36 M</u>			

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

A. Improvement of the Airside

	Project	Cost (Php)	Completion Date	Project Description	Target Beneficiaries
2	Proposed Milling and Paving of Taxiway Charlie 2, Taxiway Echo 5, Taxiway Golf 9 and Taxiway Charlie 5 including Construction of Taxiway Echo 5 fillet and Taxiway Gulf 9 fillet (Supplemental Budget)	273M	June 19, 2023	<p>This project involves mill and pave of the existing whole stretch of Taxiway Charlie 2 between Golf-1 (G-1) to Echo-1 (E-1).</p> <p>Taxiway Charlie 2 Length: 570 Meters Width: 24 Meters</p> <p>Originally, this area was covered by the project Upgrading of Taxiway Charlie 1, 2, 3, 4 & 5 and Hotel 1 & 2, but was terminated due to lack of time requirements and alternative taxiway.</p>	Pilots / airlines and drivers at aircraft movement areas

B. Improvement of Terminal Facilities

	Project	Cost (Php)	Completion Date	Project Description	Target Beneficiaries
1	Replacement of Twelve (12) deteriorated Battery Banks at MIAA ICT, NAIA 1, 2, 3 and Balagbag	6.79M	May 19, 2023	To provide new and reliable 125Vdc power source to Generator Set Auxiliary, Protective Relays & Control Switch of Medium Voltage Switchgears (MVSG) located at MIAA ICT, NAIA TERMINAL 1, NAIA TERMINAL 2, NAIA TERMINAL 3, BALAGBAG SUBSTATION. Moreover, this will also prevent sudden breakdown of power supply due to battery failure that may hamper the operations of the said facilities.	Airport employees / passengers
2	Supply of labor and materials for the replacement of 3 UPS battery bank at ELUS 2, ELUS 4 and PUS 4 at substation 2 and 4 at T2	2.29M	June 4, 2023	The objective of this project is to ensure automatic operation of switchgear at substation 4, NAIA Terminal 2.	Airport employees / passengers
3	Supply of Labor and Materials for the Replacement of Defective MV Power Cables and Vacuum Circuit Breaker Located at Substation Roadway 2 And Substation South Concourse at T3	27.12 M	August 15, 2023	The power outage happened last September 16-17, 2022 was due to electrical fault on power cable and vacuum circuit breaker on Substation Roadway 2 (SS-RW2) and Substation South Concourse (SS-SC). Due to insulation failure of power cable and	Airport employees / passengers

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

B. Improvement of Terminal Facilities

	Project	Cost (Php)	Completion Date	Project Description	Target Beneficiaries
				vacuum circuit breaker, it was highly recommended for replacement.	
4	Replacement of Two (2) Units Malfunctioning 2500AMP Main Low Voltage Switchgear (LVSG) Air Circuit Breaker at Central Plant Terminal 2	4.70 M	September 23, 2023	At present condition, the said circuit breaker is malfunctioning and experienced sudden tripped off which resulted to the outage of Centralized Air Circuit System and other connected loads of the Terminal 2. Perhaps due to natural wear and tear. Diagnostic testing was conducted by the third party to determine the actual condition of the said equipment and found out that the circuit breaker CB12B insulation resistance is low and recommended for replacement. Hence, the proposed project had been initiated.	Airport employees / passengers
5	Proposed Replacement of Joint Sealant at Terminal 2 Apron	18.91 M	Sept 12, 2023	Proposed Replacement of Joint Sealant at Terminal 2 Apron and Balagbag Apron is programmed for the replacement of deteriorated joint sealant with flexible materials to cover the gap in construction joints and prevent intrusion of corrosive materials every (5) years. Joint Sealant at Terminal 2 Apron was replaced last May 15, 2015.	Airport employees / passengers
6	Replacement of PVC Fills of Cooling Towers 1,2,3,4, & 5 at NAIA Terminal 1	15.6M	November 7, 2023	The replacement of all the PVC fills of the cooling towers are necessary, giving importance to the gravity of the issue, and in compliance to our mandate to ensure comfort and convenience of the riding public.	Airport employees / passengers
7	Supply of Labor and Materials for the Replacement of Vacuum Circuit Breaker at NAIA Terminal 3	44.45 M	December 7, 2023	The main objective of this project is to replace the defective vacuum circuit breakers and to provide safe and reliable circuit protection of the high voltage distribution line supplying different areas at Terminal 3.	Airport employees / passengers

C. Improvement of Operational Efficiency

	Project	Cost (Php)	Completion Date	Project Description	Target Beneficiaries	
1	Schedule and Terminal Assignment Rationalization (STAR) Program			The Schedule and Terminal Assignment Rationalization (STAR) Program pertains to the new airline assignments at the NAIA terminals. The said new assignments are seen to optimize terminal operations and promote overall passenger satisfaction.	Pilots / airlines and drivers at aircraft movement areas, airport employees and passengers	
	Phase II					
	a. Assignment of four (4) ASEAN flights of Philippine Airlines (PAL) to Terminal 1: 1. Singapore 2. Ho Chi Minh 3. Hanoi 4. Phnom Penh	N/A	Apr 16, 2023			Airport passengers
	b. Assignment of all international flights of Philippine Airlines (PAL) to Terminal 1	N/A	Jun 16, 2023			Airport passengers
	c. Assignment of all international flights of the following airlines to Terminal 3 1. China Southern 2. Jetstar 3. Scoot 4. Starlux	N/A	Apr 16, 2023			Airport passengers
	d. Assignment of all international flights of the following airlines to Terminal 3 1. Jeju Air 2. Ethiopian Airlines 3. Thai Airways 4. Gulf Air	N/A	Jun 1, 2023			Airport passengers
	Phase III					
	a. Assignment of all domestic flights of the following airlines to Terminal 2 1. Air Asia 2. Royal Air Philippines	N/A	Jul 1, 2023			Airport passengers
	b. Assignment of all domestic flights of Sunlight Air to Terminal 4	N/A	Jul 1, 2023			Airport passengers

On-going

A. Improvement of the Airside

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Thermoplastic Repainting of Pavement Markings in Taxiway Delta, Terminal 3 Ramp, Apron and Parking and Terminal 4 Ramp and Apron including North and South General Aviation Area	ABC: 45.90 M Contract Amount: 38.56 M	16 mons Date Started: June 5, 2023 Target Date of Completion: March 31, 2024	As of Dec 31, 2023 Programmed: 79.18% Actual: 74.92% Variance: (-) 4.26%	Thermoplastic Repainting is programmed for the revival of visual markings guiding pilots during taxiing maneuvers every three (3) years. Various areas from Terminal 3 and Terminal 4 were repainted with thermoplastic last 2019.	Pilots / airlines and drivers at aircraft movement areas
2	Equipment Rental for Cleaning and Degreasing of NAIA T1, T2, T3 and T4 Ramps and Apron	12.49 M	1 year Date Started: September 16, 2023 Target Completion Date: September 25, 2024	As of Dec 31, 2023 Status: On-going	It is programmed to continuously maintain its existing ramp pavement areas in accordance with the airport safety standards and practices to ensure the availability of the same for regular and efficient ramp operations. The MIAA therefore requires the services of an eligible company to provide the equipment on rental basis for the degreasing of NAIA Ramp/ Apron.	Pilots / airlines and drivers at aircraft movement areas
3	Proposed Concreting of Taxiway November	564.47 M (Civil Works)	16 mons Date Started: November 6, 2023	As of Dec 31, 2023 Planned: 4.95% Actual: 18.66% Variance: +13.71%	The existing asphalt concrete at Taxiway November will be replaced by Portland Concrete Cement	Pilots / airlines and drivers at aircraft movement areas

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

A. Improvement of the Airside

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
			Target Completion Date: March 6, 2025		Pavement (PCCP) to arrest the rutting of asphalt pavement. To sustain continuous and safe operation of aircraft at Taxiway November.	

B. Improvement of Terminal Facilities

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Supply of Services for the Setting and Testing of Protection Relays of NAIA Terminal 1, 2, 3, Powerhouse and International Cargo Terminal	12.51 M	90 Calendar Days Date started: June 6, 2023 Target Completion Date: January 28, 2024	As of Dec 31, 2023 Schedule: 32.68% Actual: 59.12% Variance: +26.44% Suspended. RTPI request for December 2023 schedule for Terminals 1, 2, Powerhouse and ICT has been disapproved by the management.	The main purpose of this project is to correct the setting of protection relay to achieve the accurate and comprehensive value for MIAA Protection and Tripping Device, and Relay Coordination Settings for safe, reliable, and efficient operation of the airport.	Airport employees / passengers
2	Replacement and Relocation of New Feederline XLPE Power Cables from MIAA Substation 2 to MIAA Powerhouse Power Room Phase 1 (cable and bridge)	32.62 M	180 Calendar Days Date Started: May 9, 2023 Target Completion date: November 4, 2023	As of Dec 31, 2023 Schedule: 100.00% Actual: 95.85% Variance: - 4.14%	The main objective of this project is to provide new and reliable XLPE power cables to restore the power supply of our line 2. The existing cable of line 2 is already defective and reached its end of service life due to being service for more than 40 years. The power cable carries the main	Airport employees / passengers

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

B. Improvement of Terminal Facilities

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
	Phase 2 (cable)	23.88 M	Date Started: November 25, 2023 Target Completion Date: May 23, 2024	Manufacturing Stage	loads of NAIA T1, NAIA T2, Airfield Lightings, Manila Control Tower, ICT, MIAA Admin Building and Compound, PABX.	
3	Supply of Labor and Materials for the Installation of PAUs and AHUs at NAIA Terminal 3	45M	One Hundred Eighty (180) Calendar Days Date Started: July 19, 2023 Target Completion date: Jan. 8, 2024	As of Dec 31, 2023 Actual: 89% Projected: 92% Variance: -3%	The main purpose of the project is to replace the existing one (1) Primary Air Unit (PAU 22002) and upgrading of two (2) Air Handling Units (AHU 23117 and AHU 23119) to maintain comfort cooling and acceptable indoor air temperature, particularly at Departure Gate 117 & 118 and Immigration – Arrival Area, for the comfort and convenience of passengers and other airport users.	Airport employees / passengers
4	Supply of Labor and Materials for the Replacement of Dilapidated Fan Coil Units at NAIA T3	28.9 M	One Hundred Eighty (180) Calendar Days Date Started: July 7, 2023 Target Completion date: January 3, 2024	As of Dec 31, 2023 Actual: 90.57% Projected: 93.46% Variance: - 2.89%	Replacement of dilapidated Fan Coil Units (FCUs) is necessary to maintain an acceptable indoor air temperature for the comfort and convenience of passengers & stakeholders and provide proper cooling of equipment and other facilities.	Airport employees / passengers
5	Operation and Maintenance of Ventilation and Air Conditioning System at NAIA Terminal 3 and Supply Support Agreement (SSA)	O&M: 3.83 M SSA: 3.33 M Total: 7.16 M		As of Dec 31, 2023 Ongoing (1st Year) New Contractor: True-Temp Corporation Started Date: July 18, 2023	To ensure continuous, reliable, efficient, and economical operation of air conditioning and ventilation system at NAIA terminal 3 for the safety, comfort and convenience of passengers and other airport users.	Airport employees / passengers

B. Improvement of Terminal Facilities

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
				Expiration Date: July 17, 2024 Contract No. 23-S-061	To operate, maintain, repair and to supply the spare parts and materials for the 24/7/365 operation of the entire Ventilating and Air Conditioning (VAC) facility at NAIA Terminal 3.	

C. Ensure Passenger Safety and Security

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Proposed Comprehensive Service Maintenance Agreement (CSMA) Contract for the Maintenance and Service of Leidos Security Equipment (Dual View X-Ray Machines, Full Body Scanners (FBS), Explosive Trace Detectors (ETDs) and CEIA Walk-Thru Metal Detectors with Supply Support Agreement (SSA) for Leidos Parts & Consumables	Comprehensive Maintenance: 76.05 M Spare Parts (Standby Fund): 70.00 M Total: 146.05 M	One (1) year March 4, 2023 – March 3, 2024	As of Dec 31, 2023 On-going (Contract No. 23-S-006)	To have an efficient, cost-efficient and long-term preventive and corrective/preventive maintenance on Leidos Screening Security Equipment being used for baggages of passengers and stakeholders in-compliance to the directives of the local and foreign aviation security auditors to ensure that the equipment are in good and functional condition and to prolong its service life in accordance with manufacturer's standards.	Airport employees / passengers
2	Consolidated Comprehensive Service Maintenance Agreement (CSMA) Contract with Revision in the Number of Units; for the Maintenance and Service of Smiths Heimann/Detection and CEIA Security Screening Equipment (SSE) Installed at the NAIA Terminals with	Comprehensive Maintenance: 49.22 M Spare Parts (Standby Fund): 30.00 M Total: 79.22 M	February 18, 2023 - February 17, 2024	As of Dec 31, 2023 On-going (Contract No. 23-R-010)	To have an efficient, cost-efficient and long-term preventive and corrective/preventive maintenance on Smith Detection (Smith Heimann) and CEIA Security Screening Equipment (SSE) Deployed at NAIA Terminal 1 - 4 being used for baggages of passengers and stakeholders in-	Airport employees / passengers

C. Ensure Passenger Safety and Security

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
	Supply Support Agreement (SSA) for Parts & Consumables				compliance to the directives of the local and foreign aviation security auditors to ensure that the equipment are in good and functional condition and to prolong its service life to manufacturer's standards.	

D. Other Programs and Projects

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Repair and Maintenance of Asphalt Pavement within NAIA Complex	60M	1 year Date Started: April 19, 2023 Expiration date: April 18, 2024	On-going	The objective of the services is to implement the immediate repair of potholes and soft spots including other related work regardless of its materials quantities at any given time as instructed by MIAA.	Airport employees / passengers / drivers

Projects Under Procurement Stage

A. Improvement of the Airside

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Hiring of Independent Laboratory, Testing and Surveying Firm for the Concreting of Taxiway November	10.97 M	16 mons	As of Dec 31, 2023 Contract and Notice to Proceed for signature	Hiring of laboratory firm to conduct all tests as required under the contract for Concreting of Taxiway November.	Pilots / airlines and drivers at aircraft movement areas
2	Geotechnical Investigation, Evaluation and Analysis of the Pavement Strength of Runway, Taxiway and Apron using Heavy Weight Deflectometer in Analyzing Pavement	18.37 M	3 mons	As of Dec 31, 2023 BAC nego to highest rank	MIAA intends to engage the services of an experienced and qualified Contractor which possess the necessary experience and expertise to perform all the test procedure, evaluation and analysis of the pavement strength of	Pilots / airlines and drivers at aircraft movement areas

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

A. Improvement of the Airside

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
	Classification Number – Aircraft Classification Number (PCN-ACN) at NAIA Complex				runway, taxiway and apron and to come up with PCN-ACN values in accordance with the ICAO requirements.	

B. Improvement of the Terminal Facilities

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Supply of Labor and Materials for the Replacement of Main Vacuum Circuit Breaker Switchgear to RMU Distribution Network at NAIA Terminal 3	60.00 M	180 Calendar Days	As of Dec 31, 2023 For Post Qualification	The main objective of this project is to provide back-up and more reliable power network incase there is an equipment malfunctions in NAIA T3 and the side of MERALCO.	Airport employees
2	Replacement of Cooling Towers for Centralized Air Conditioning at NAIA T3	198M	One Hundred Eighty (180) Calendar Days Date Started: Dec 6, 2023 Target Completion Date: September 1, 2024	As of Dec 31, 2023 Initial mobilization of the project	Replacement Of Six (6) Units Cooling Towers is necessary to attain the required maximum heat rejection ff Chiller Units. To Restore its design capacity and improve the overall efficiency of the Chiller Plant for the comfort and Convenience of Passengers and other airport users.	Airport employees / passengers
3	Replacement of Ten (10) Passenger Boarding Bridges (PBB) at NAIA Terminal 3 including Testing and Commissioning	318 M (corporate funded) + 948M (DOTr funded)	380 Calendar days	As of Dec 31, 2023 For finalization of project documents to 34 units PBB	This project is necessary to ensure operational availability and readiness of PBBs at Gate Nos. 112, 113, 114, 115 and 116 for the safety, comfort and convenience of passengers and other airport users.	Airport passengers
4	Supply, Installation, Operation and Services of Passenger Processing System at NAIA 1, 2 and 3	934.96 M	60 Months	As of Dec 31, 2023 For pre-procurement. Multi-year contract to 2029	The project aims to have a Contractor/Service Provider that will supply, install, test, commission and perform five (5) years of operations and services of Passenger Processing System at NAIA 1,2 and 3 in order to manage the increasing number of travelers/passengers at the airport and make	Airport employees / passengers

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

B. Improvement of the Terminal Facilities

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
					passenger check-in and boarding faster and more secure.	
5	Supply & Installation of Seismic Expansion Joint and Covers (Phase 3) at NAIA Terminal-3	17.99 M	150 Calendar days	As of Dec 31, 2023 For Contract Approval	The project was initiated by the Terminal Manager-T3 to replace the existing damaged seismic joint and covers (Phase III) which are not included in Phase I and Phase II due to budget constraint. Phase III is the remaining portion inside the terminal and roof deck.	Airport employees / passengers
6	Proposed Renovations of Twelve (12) Units of Comfort Rooms at NAIA Terminal-3	16.93 M	120 Calendar days	As of Dec 31, 2023 For BAC recommendation for Award	It was initially proposed to renovate forty-six (46) units of Comfort rooms in the various areas of NAIA Terminal 3, but due to budget constraint, it was decided that the twelve (12) units located at the passenger movement areas should be prioritized for renovation/rehabilitation. Since the start of NAIA T3 operation, said comfort rooms have not undergone major renovation works which resulted in worn-out tiles, damaged fixtures, and clogged drainage pipes.	Airport employees / passengers

C. Ensure Passenger Safety and Security

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
1	Supply, Installation and Commissioning of five (5) units Explosive Detection System (EDS) "TSA CERTIFIED EDS FOR CHECK BAGGAGE/HOLD BAGGAGE and ECAC STANDARD 3.1 FOR HOLD BAGGAGE" Level 1 and 2 for Check Baggage	938M	270 Calendar Days	As of Dec 31, 2023 Opening of Bids January 30, 2024	To replace the existing End-of Life (EOL) VIS 108 being used In-line Screening System of Baggage Handling (BHS) at NAIA Terminal 3 and to comply with the requirement of International Security Auditors primarily the US-Transport Security Administration (TSA), International Civil Aviation	Airport employees / passengers

MIAA ACCOMPLISHMENT REPORT ON MAJOR PROJECTS CY 2023

C. Ensure Passenger Safety and Security

	Project	Cost (Php)	Duration	Status	Project Description	Target Beneficiaries
	Inspection System (CBIS) In-line EDS machines to replace the existing End-of Life (EOL) VIS 108 at NAIA Terminal 3				Organization (ICAO), European and other Foreign International Security Auditing Countries.	
2	Proposed Rehabilitation of Security Perimeter Fence Beside PADC Hangar, Back of Sunlight Hangar and Back of MIASCOR Hangar	7M	120 Calendar Days	As of Dec 31, 2023 Awaiting for NTP	MIAA Proposed Rehabilitation of Security Perimeter Fence Besides PADC Hangar, Back of Sunlight Hangar and Back of Perimeter Fence at MIASCOR to serve as airport's physical barrier separating the airside and landside area to protect vital facilities, aircrafts, runway etc. To also prevent unauthorized persons from entering the Security Restricted Area (SRA) and in compliance with the MIAA Airport Security Program (ASP).	Airport employees / passengers
3	Construction of Aircraft Rescue and Firefighting Station (ARFF) Permanent Satellite Station	25 M	150 Calendar Days	As of Dec 31, 2023 Awaiting for NTP	The project was initiated by Emergency Services for compliance to ICAO and CAAP standards audit. "Compliance with ICAO in responding to an emergency – to achieve a response time not exceeding three (3) minutes to any point each operational runway and/or to any other part of movement area". The project aims to align with the international Airport Safety Standards and MIAA/NAIA Development Plan for Emergency Services Department.	Airport employees / passengers / pilots