

Air Navigation Service

(ANS)

Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES



ACCOMPLISHMENT REPORT

CY 2017



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ANS MANDATE

The Air Navigation Service (ANS) is mandated to establish, operate, maintain and flight check air navigation system and equipment nationwide to provide safe, reliable, expeditious, and efficient service in conformance with International Civil Aviation Organization (ICAO) Standards and Recommended Practices (SARPs).

Vision.

To be a leading provider of high quality air navigation systems and services that offers strategic value to aviation stakeholders.

Mission.

The Air Navigation Service (ANS) is envisioned to provide:

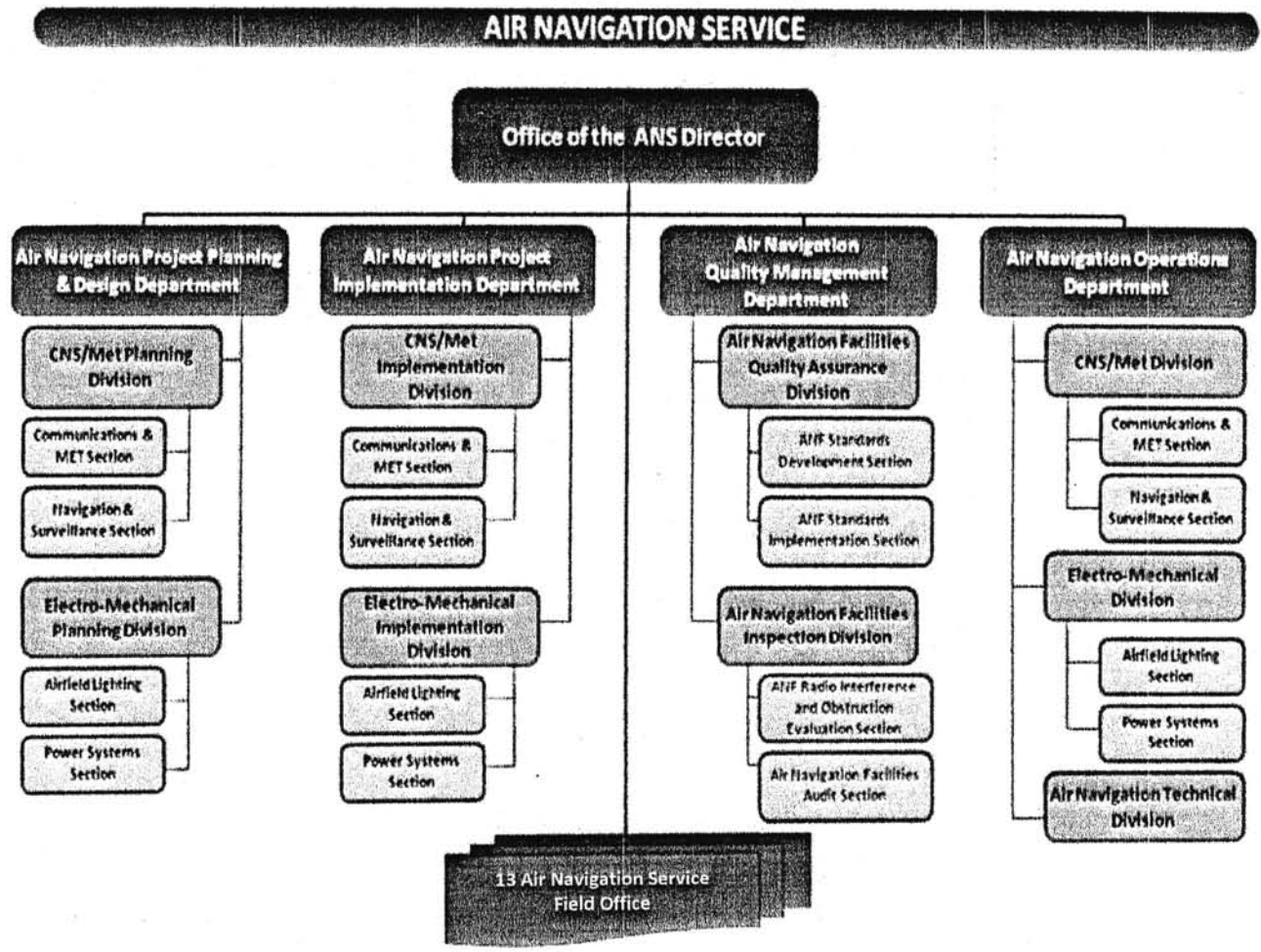
1. Effective plans, programs and design of air navigation systems and facilities nationwide.
2. Complete engineering services for the establishment and improvement of air navigation facilities.
3. Functional operation, maintenance and efficient management of air navigation systems equipment including airfield lighting systems, power plant and future technologies in conformance with ICAO Standards and Recommended Practices(SARPs).

Functions.

The Air Navigation Service shall have the following functions:

1. Administration and implementation of operational plans, programs in conformance with ICAO Annexes and SARPs.
2. Formulation of the safety management systems, policies and procedures in conformance with ICAO Annexes and SARPs
3. Technical competency development of CNS Systems Specialist and Airfield Lighting & Power Technician personnel
4. Establishment of air navigation facilities nationwide.
5. Determine the operational and developmental requirement of air navigational facilities, in coordination with the Air Traffic Service for inclusion in the ANF Maintenance and/or Infrastructure Program of the CAAP.
6. Engineering data gathering and site survey for the improvement and establishment of air navigation facilities.
7. Develops and implements a system of projects, post evaluation and prioritization for the assessment of ANFplans and investment programs.
8. Operation and maintenance of air navigation facilities.
9. Provision of technical and material requirements of air navigation facilities.
10. Implementation of ANS regulations, policies, standard operational procedures for ANS
11. Inspection and evaluation of air navigation facilities.
12. Flight inspection and evaluation of air navigation facilities in compliance with the ICAO regulations and requirements.

ORGANIZATIONAL SETUP



FUNCTIONS OF EACH DEPARTMENT

The following Air Navigation Service Departments are hereby created with their corresponding functions:

1. **Air Navigation Project Planning and Design Department** – Responsible for the preparation of programs, plans, feasibility studies and system design of projects related to the establishment and/or improvement of air navigation facilities.
2. **Air Navigation Project Implementation Division** – Responsible for the execution of approved plans and designs as prepared by the Air Navigation Planning and Design Department for the establishment and/or improvement of air navigation facilities.
3. **Air Navigation Quality Management Department** – Responsible for the formulation and implementation of standard procedures, regulation, evaluation and inspection of air navigation facilities. Responsible for the implementation of safety management systems policy and standards as necessary.
4. **Air Navigation Operations Department** – Responsible for the functional operation and maintenance of Communications, Navigations and Surveillance system components including Meteorological, Airfield Lighting and Power Systems.
5. **ANS Field Offices** – ANS field offices shall be established and responsible for the operation and maintenance of air navigation facilities in their respective areas. All Area Centers shall be headed by ANS Area Field Office Chief (AFOC) who shall be reporting directly to the Air Navigation Service Assistant Director General.

ACCOMPLISHMENT

Air Navigation Service

MAJOR ACCOMPLISHMENT

1. Conducted the detailed engineering and carried out the procurement activities in accordance with RA9184 for the project detailed in the attach Status Report.
2. Updated the ANF Development Plan for CY 2018-2019.
3. Submitted the proposed CY2018ANF Capital Outlay and Infrastructure Proposed Budget.
4. Updated and finalized the adaptation of DPWH Revised Guidelines in the preparation of Approved Budget of Contract (ABC) for CY2017 Projects.
5. Creation of standard Air Traffic Controller (ATC) console for Flight Information Service (FIS) facilities.
6. Creation of standard VHF Communication System Design Air Navigation Facilities.
7. Completed 23 CY2017 Projects and turned-over to Bids and Awards Committee (BAC) for procurement(see *attach Annex A*).
8. Awarded (*with NOA & NTP*) and turn-over the following projects to Project Implementation Department (PID) for implementation:
 - 8.1. Purchase/Installation of DVOR/DME at San Jose Airport.
 - 8.2. Purchase/Installation of Voice Logging System (VLS) at Tuguegarao Airport.
 - 8.3. Upgrading of Airfield Lighting System and Runway Threshold Identifications Lights at Tambler (General Santos International Airport).
 - 8.4. Purchase/Installation of PAPI System and Aerodrome Beacon at Cauayan Airport.
 - 8.5. Purchase/Installation of LED Floodlight and Solar-powered Taxiway Edge Lights (New System) at Kalibo International Airport.
 - 8.6. Purchase/Installation of Solar Powered Windcone and LED Apron Floodlight (Old System) at Kalibo International Airport.
 - 8.7. Rehabilitation of Circuit 1 of REL, STL, TEL and LED Apron Flood Lights and additional CCR at Laoag International Airport.
 - 8.8. Rehabilitation of AFC Building including Control Tower and other Works at Mactan-Cebu International Airport.
9. Requested the process of Fund Transfer to Area I in connection with the project Inset Runway Lights/Additional Taxiway Edge Lights at Laoag International Airport.
10. Submitted monthly DOTr PMES Monitoring Form 1 Project Status Report.
11. Submitted weekly ANS project status report for CAAP CY2017 Absorptive Capacity.
12. Submitted CY2016 Annual Accomplishment Report.
13. Attended project coordination meeting at Department of Transportation (DOTr) under Visayas and Mindanao Sector.
14. Prepared various ANS correspondences for the different Agencies/Office/

15. Conducted Site Acceptance Testing at Tuguegarao Airport for VLS Installation Project.
16. Conducted Site Acceptance Testing at Laoag International Airport Rehabilitation of Air Field Lighting System Ckt 1.
17. Participated in the testing on completion of CNS ATM electromechanical & auxiliary works.
18. Conducted site inspection of ongoing DVOR/DME installation Project at San Jose Airport.
19. Conducted final inspection of Mactan Control Tower Rehabilitation Project and list down punch list items for rectification.
20. Attended meetings at DOTr Head Office regarding proposed Development Project at various airport such as Leyte, Kalibo, Siargao, Laoag and Dumaguete Airports.
21. Participated in the training /seminar regarding SMS training at CATC.
22. Conducted Final Inspection for the newly completed KALIBO International Airport Air Field Lighting System Projects.
23. Conducted Site Acceptance Test for at BUTUAN, DIPOLOG, DUMAGUETE and COTABATO Airport Voice Communication System and VLS Projects.
24. Conducted site inspection in General Santos International Airport for Power House Rehab and upgrading of Power System.
25. Continuously monitor status of ongoing implementation of ANPPDD INFRA Projects for various airports for CY 2016 / 2017 through FIC's and persons in charge and update project status list.

Below is the List of projects being implemented and completed:

No.	Project Details	Status
1	Purchase and Installation of LED Apron Flood Lights , Solar Powered TEL & Solar Powered Lighted Wind Cone at KALIBO International Airport	Completed
2	Purchase and installation of Voice Logging System (VLS) Tuguegarao Airport	Completed
3	Purchase and installation of Voice Communication and Voice Logging System (VLS) for Butuan Airport	Completed
4	Purchase and installation of Voice Communication and Voice Logging System (VLS) for Dipolog Airport .	Completed
5	Purchase and installation of Voice Communication and Voice Logging System (VLS) for Dumaguete Airport	Completed

6	Purchase and installation of Voice Communication and Voice Logging System (VLS) for Cotabato Airport	Completed
7	Rehab of circuit1 of REL,STL, TEL and LED Apron Flood Light, Additional CCR (LAOAG Air Field Lighting System)	Completed
8	Rehab of AFC Building Including Control Tower at MACTAN International Airport	Completed

Some Projects for CY 2017 APP are still ongoing implementation.

No.	ON GOING Projects	Status
1	Purchase/Installation of PAPI System & Aerodrome Beacon Light at Cauayan Airport	Suspended due to ongoing DOTr Project
2	Purchase and Installation of DVOR/DME equipment for San Jose Airport-Occidental Mindoro	Site Installation in progress
3	UpGrading of Airfield lighting System and Installation of Runway Threshold Identification Lights at Gen. Santos International Airport.	mobilization stage

26. Evaluation of Two Thousand Five Hundred Eighty Two (2,582) Height Clearance Permits (Approved Applications), One Hundred Seven (107) Height Limitation, Twenty Nine (29) Temporary Structure and One Hundred Seventy Eight. (178) Denied.

27. INSPECTION / EVALUATION /TESTING

- 27.1. Surge Protection Devices for Meteorological Instruments at Bacolod-Silay Airport.
- 27.2. Two (2) units Portable LED Projector for ANS
- 27.3. Batteries for UMAT UPS at Manila Tower/Nav aids Facility
- 27.4. Batteries for ATS at Manila Tower/Nav aids Power Plant Facility
- 27.5. Three (3) units of Six (6) Doors Steel Locker Cabinets for ANFM Division
- 27.6. 10W VHF AM Air Band Transceivers for ANS Technical Center
- 27.7. 2500 Pads of Carbonless Daily Maintenance Log Sheets for ANF Nationwide
- 27.8. Batteries for DVOR/DME and UPS at Tower Cab at Laoag Int'l. Airport

- 27.9. Portable Fire Extinguishers for NCR area ANS Facilities
- 27.10. Three (3) Units 125W HF Transceivers for ANS Technical Center
- 27.11. Batteries for 30 KVA UPS of Tower Cab, Control Station & Nav aids Station of Davao Int'l. Airport
- 27.12. Parts and Accessories for Airfield Lighting System at New Bacolod Silay Airport
- 27.13. Batteries for Diesel Engine Generator Set (DEGS) & Batteries for Supply of Control Relays at Laguindingan Airport
- 27.14. Spare parts Modules for Park Air Electronics (PAE) VHF Communication Equipment at Mactan AFC
- 27.15. Printer Head for Thermal Printer IER 512C and IER 400B2 at Manila Radar Facility
- 27.16. Barcode-based Inventory Control System for Air Navigation Service
- 27.17. Parts and Accessories for Runway Edge Lights and Taxiway Edge Lights at Zamboanga Airport
- 27.18. Alignment Tool for ADB Precession Approach Path Indicator (PAPI) for ANS.
- 27.19. 5W VHF AM Air Band Handheld Radio for ANS Technical Center
- 27.20. Digital Ground Earth Tester for various ANF
- 27.21. Timer Board for Runway Threshold Identification Light (RTIL) at Dumaguete & Kalibo Airport.
- 27.22. Desktop Computer with Voice Recording System Software for various Airport.
- 27.23. Spare Parts for SAF Digital Microwave Radio (DMR) of Manila AFC.
- 27.24. Automatic Voltage Regulator (AVR) for Perkins Diesel Engine Generator Set at Sanga-Sanga Airport.
- 27.25. Spare Parts Modules for Vaisala AWOS Meteorological Instrument at Bacolod I Silay Airport.
- 27.26. Parts & Accessories for Airfield Lightning System at Pto. Princesa Airport.
- 27.27. Batteries for Diesel Engine Generator Set (DEGS) for ANS Technical Center.
- 27.28. Parts & Accessories for Airfield Lighting System at Laguindingan & Kalibo Airports.
- 27.29. Parts & Accessories for Airfield Lighting System at Tacloban Airport.


- 27.30. Bulbs & Accessories for Airfield Lighting System at Tagbilaran Airport.
- 27.31. ACU Compressor for 5-ton Air Conditioning Unit for the Radar Equipment Room & Tagaytay Radar Facility.
- 27.32. Air Traffic Light Gun for ANS Technical Center.
- 27.33. Coaxial Detector for Manila Radar & Tagaytay Radar Facilities.
- 27.34. Five (5) units Outdoor Motor Driven Vertical Siren for ANS.
- 27.35. Radar Facility under CNS ATM Project at Apari ANF
- 27.36. Status of CNS MET at Tuguegarao ANF
- 27.37. Ten (10) Units 10W VHF AM Transceivers for ANS Technical Center.
- 27.38. DC-DC & AC-DC Converter Modules for Tagaytay Radar, Iloilo & Davao

28. Follow-up Inspection & Evaluation of CNS Equipments & Its Ancillaries in the following Airports.

- 28.1. Kalibo
- 28.2. Virac
- 28.3. Cauayan
- 28.4. Bacolod
- 28.5. Naga
- 28.6. Tagbilaran
- 28.7. Butuan
- 28.8. Basco
- 28.9. Laoag
- 28.10. Davao
- 28.11. Pto. Princesa
- 28.12. San Fernando
- 28.13. Dumaguete
- 28.14. Laguindingan
- 28.15. Tuguegarao
- 28.16. Legazpi
- 28.17. Tacloban
- 28.18. Gen. Santos
- 28.19. Roxas

- 28.20. Busuanga
- 28.21. Dipolog
- 28.22. Surigao
- 29. Final review of Facility Operations Manual
 - 29.1. Mt. Majic RCAG
 - 29.2. Subic
- 30. Approved Facility Operations Manual
 - 30.1. Sanga-sanga
 - 30.2. Tandag
 - 30.3. Mactan AFC/Transmitter
 - 30.4. Laguindingan
 - 30.5. Calbayog
- 31. Conducted Safety Management System (SMS) Audit in the following Airports
 - 31.1. Davao
 - 31.2. Laoag
 - 31.3. Iloilo
 - 31.4. Kalibo
- 32. Conducted Training Plans and Programs Seminar in all Area Centers
- 33. Attended Meeting with CNS SG at Bangkok, Thailand
- 34. Attended Meeting CANSO at Hanoi, Vietman
- 35. Attended Meeting with LGU regarding OLS at Mactan-Cebu International Airport
- 36. Attended Telecommunication Summit sponsored by Department of Information & Communications Technology
- 37. Checked DVOR bearing Misalignment at Cabanatuan Airport
- 38. Coordination meeting with Presidential Management staff regarding CAVITEX infrastructure
- 39. Attended Frequency Spectrum Management Panel Meeting at Bangkok, Thailand
- 40. Attended the 3rd Meeting of Common Aeronautical Virtual Private Network Operations Group at Bangkok Thailand
- 41. Monitoring of Safety Management System
- 42. Technical Competency Certificate (TCC) Planning & Implementation
- 43. Continuously monitored the operational status of CNS/Met, Power and Airfield Lighting System and equipment of ANF nationwide thru Daily Personnel and Operations Report (DPOR), Incident and Monthly Reports.

44. Followed-up the flight check of navigational aids facilities that were due for calibration. **57.27%** of Radio Nav aids and **47.95%** of PAPI have current flight check status. The scheduled flight calibration of both the Radio Nav aids and PAPI are on-going.
45. Prepared Programs of Work (POW) for the purchase and delivery of various parts for CNS/Met, Power and Airfield Lighting Equipment and Fixtures for the approval of the Director General.
46. Prepared the documents for the transfer of funds of the approved Programs of Work to ANF's Area Cluster.
47. Repaired equipment and/or parts of equipment at the Air Navigation Technical Center and facilitated their transfer from the Airports/ANF's to the Central Office for its repair at the AN Technical Center and its delivery and installation to the originating Airports/ANF's after its restoration.
48. Provided materials, technical and personnel assistance to Air Navigation Facilities for the repair and restoration of CNS/MET, Power and Airfield Lighting System and equipment including installation of new CNS/MET equipment.
49. Purchased and provided the Airports/ANFs with equipment parts, components and other devices and materials for the continuous and reliable operation of these facilities.
50. Prepared AIPAFs for the issuance of NOTAM of various CNS/MET, Power and Airfield Lighting System that had encountered equipment/system trouble including those facilities that needed to be shutdown during preventive maintenance procedures.
51. Validated the received Operational Hazard Reports, facilitated the execution of corrective measures and submitted reports to the ANQMD for the preparation of reply letter to concerned airlines or other CAAP services.
52. Prepared coordination letters to airport managers and other government agencies including other communications to equipment suppliers and service providers.
53. Coordinated with other CAAP services/offices, other government agencies and stakeholders for the immediate solution to problems including other issues and concerns that may directly or indirectly affect the operation of airports/facilities nationwide.


ARNOLD R. BALUCATING
Acting Chief, Air Navigation Service

ATTACHMENT

1. Air Navigation Project Planning and Design Department Projects.
 - a. PPDD Project Management Report
 - b. CY2017 Turnover of Projects for Implementation
 - c. Five Year ANF Development Plan
2. Air Navigation Operations Department
 - a. Radio Nav aids Equipment
 - b. PAPI/VASI
 - c. On-Site Technical Assistance Provided to Air Navigation Facilities for CY2017

STATUS REPORT

1 February 2018

RADIO NAVAIDS EQUIPMENT

Airport/ Facility	Equipment	Brand/Model	Frequency	Channel	Status	Date of Last Flight Check	Expiry Date of Flight Check Validity	Remarks
INTERNATIONAL AIRPORTS								
CLARK	DVOR	SELEX	113.1 Mhz		Operational	4-Sep-17	4-Sep-18	Flight Check Current.
	DME	SELEX		78X	Operational	4-Sep-17	4-Sep-18	Flight Check Current.
	LLZ-02R	SELEX	109.3 Mhz		Operational	30-Oct-17	30-Apr-18	Flight Check Current.
	GP-02R	SELEX	332.0 Mhz		Operational	30-Oct-17	30-Apr-18	Flight Check Current.
	IDME-02R	SELEX		30X	Operational	30-Oct-17	30-Apr-18	Flight Check Current.
	LLZ-20L	SELEX	110.1 Mhz		Operational	30-Oct-17	30-Apr-18	Flight Check Current.
	GP-20L	SELEX	334.4 Mhz		Operational	30-Oct-17	30-Apr-18	Flight Check Current.
	IDME-20L	SELEX		38X	Operational	30-Oct-17	30-Apr-18	Flight Check Current.
DAVAO	DVOR	INDRA VRB-53D	112.1 Mhz		Operational	26-Apr-17	26-Apr-18	Flight Check Current.
	DME	INDRA LDB-103		58X	Operational	26-Apr-17	26-Apr-18	Flight Check Current.
	MM-05	NORMARC 7050	75 MHz		NOP			Defective Power Cables
	LLZ-05	NORMARC 7013	109.1 Mhz		Operational	29-Nov-17	29-May-18	Flight Check Current.
	GP-05	NORMARC 7033	331.4Mhz		Operational	29-Nov-17	29-May-18	Flight Check Current.
	IDME-05	FERNAU 2020		28X	Operational	29-Nov-17	29-May-18	Flight Check Current.
	LLZ-23	NORMARC 7013	109.9 Mhz		Operational	29-Nov-17	29-May-18	Flight Check Current.
	GP-23	NORMARC 7033	333.8 Mhz		Operational	29-Nov-17	29-May-18	Flight Check Current.
	IDME-23	FERNAU 2020		36X	Operational	29-Nov-17	29-May-18	Flight Check Current.
(GEN. SANTOS) TAMBLER	DVOR	ALCATEL 400	114.5 Mhz		Operational	29-Aug-17	29-Aug-18	Flight Check Current.
	DME	ALCATEL FSD45		92X	Operational	29-Aug-17	29-Aug-18	Flight Check Current.
	LLZ-17	ALCATEL 411 2F	109.5 Mhz		ON TEST	27-Dec-13	27-Jun-14	Due for flight check.
	GP-17	ALCATEL 412 2F	332.6 Mhz		NOP	27-Dec-13		Alarm present on the Clearance Width.
	IDME-17	ALCATEL FSD40		32X	NOP	27-Dec-13		DME U/S due to absence of GP.
KALIBO	DVOR	TOSHIBA TW2280	113.0 Mhz		Operational	29-Dec-16	29-Dec-17	Due for flight check.
	DME	NEC NNG-1797		77X	Operational	29-Dec-16	29-Dec-17	Due for flight check.
LAOAG	DVOR	TOSHIBA TW2280	112.9 Mhz		Operational	11-Sep-17	11-Sep-18	Flight Check Current.
	DME	NEC NNG-1797		76X	Operational	11-Sep-17	11-Sep-18	Flight Check Current.

STATUS REPORT

1 February 2018

RADIO NAVAIDS EQUIPMENT

Airport/ Facility	Equipment	Brand/Model	Frequency	Channel	Status	Date of Last Flight Check	Expiry Date of Flight Check Validity	Remarks
MACTAN	DVOR	INDRA VRB-53D	114.3 Mhz		Operational	05-Sep-17	05-Sep-18	Flight Check Current.
	DME	INDRA LDB-103		90X	Operational	05-Sep-17	05-Sep-18	Flight Check Current.
	LLZ-04	SELEX 2100CE	109.9 Mhz		NOP	5-Aug-13	5-Feb-14	
	GP-04	SELEX 2110CE	333.8Mhz		NOP	5-Aug-13	5-Feb-14	
	IDME-04	SELEX 1118A		36X	NOP	5-Aug-13	5-Feb-14	Instrument Approach Procedure suspended by ATS due to change in the coordinates of the transmitting antennas. Revision of procedure on-going. GP22 AND DME22 out due to power surge caused by lightning.
	LLZ-22	SELEX 2100CE	109.1 Mhz		NOP	5-Aug-13	5-Feb-14	
	GP-22	SELEX 2110CE	331.4 Mhz		NOP	5-Aug-13	5-Feb-14	
	IDME-22	SELEX 1118A		28X	NOP	5-Aug-13	5-Feb-14	
MANILA	DVOR	INDRA VRB-53D	114.4 MHz		Operational	2-Dec-17	2-Dec-18	R090 to R100 & R114 to R120 unusable beyond 50NM.
	DME	INDRA LDB-103		91X	Operational	2-Dec-17	2-Dec-18	Flight Check Current.
	LLZ-06	THALES 420	109.1 Mhz		Operational	8-Nov-17	8-May-18	Flight Check Current.
	GP-06	THALES 420	331.4 Mhz		Operational	8-Nov-17	8-May-18	Flight Check Current.
	IDME-06	THALES 415		28X	Operational	8-Nov-17	8-May-18	Flight Check Current.
	LLZ-24	THALES 420	109.9 Mhz		Operational	30-Nov-17	30-May-18	Flight Check Current.
	GP-24	THALES 420	333.8 Mhz		Operational	30-Nov-17	30-May-18	Flight Check Current.
	IDME-24	THALES 415		36X	Operational	30-Nov-17	30-May-18	Flight Check Current.
PUERTO PRINCESA	VOR	ASI 1150	115.9 Mhz		Operational	15-Aug-17	15-Feb-18	Flight Check Current.
	DME	ASI 1119		106X	Operational	15-Aug-17	15-Feb-18	coverage limited to 40 NM
SUBIC BAY	DVOR	ALCATEL 4000	113.5 Mhz		NOP	02-Sep-16	02-Sep-17	Defective Modules.
	DME	ALCATEL FSD45		82X	Operational	02-Sep-16	02-Sep-17	Due for flight check.
	LLZ-07	ALCATEL 4000	109.5 Mhz		NOP	Oct '10		
	GP-07	ALCATEL 4000	332.6 Mhz		NOP	Oct '10		
	IDME-07	ALCATEL FSD40		32X	NOP	Oct '10		Additional modules needed to restore the equipment. Spare parts c/o SBIA.
	LLZ-25	THALES MARK20A	110.9 Mhz		NOP	Oct '10		
	GP-25	THALES MARK20A	330.8Mhz		NOP	Oct '10		
	IDME-25	THALES 415		46X	NOP	Oct '10		
ZAMBOANGA	DVOR	TOSHIBA TW2280	113.9 Mhz		Operational	18-Sep-17	18-Sep-18	on single system
	DME	NEC NNG-1797		86x	Operational	18-Sep-17	18-Sep-18	Flight Check Current.
	LLZ-09	ASI 1100	109.1 Mhz		NOP	09-Jan-17	29-Jul-14	Flight check conducted Jan 1, 2017 but results are unsatisfactory. Recommended for corrective maintenance.
	GP-09	ASI 2100	331.4 Mhz		NOP	09-Jan-17	29-Jul-14	
	IDME-09	ASI 1118		28X	NOP	09-Jan-17	29-Jul-14	

STATUS REPORT
1 February 2018
RADIO NAVAIDS EQUIPMENT

Airport/ Facility	Equipment	Brand/Model	Frequency	Channel	Status	Date of Last Flight Check	Expiry Date of Flight Check Validity	Remarks
CLASS / PRINCIPAL AIRPORTS								
BACOLOD-SILAY	DVOR	THALES 432B	115.3 Mhz		Operational	29-Dec-16	29-Dec-17	Due for flight check.
	DME	THALES 435		100X	Operational	29-Dec-16	29-Dec-17	Due for flight check.
	LLZ-03	THALES 421	109.7 Mhz		Operational	27-Nov-17	27-May-18	Flight Check Current.
	GP-03	THALES 422	333.2 Mhz		Operational	27-Nov-17	27-May-18	Flight Check Current.
	IDME-03	THALES 415		34X	Operational	27-Nov-17	27-May-18	Flight Check Current.
	MM	THALES 413	75 Mhz		Operational	9-Jan-17	9-Jul-17	Due for flight check.
BUTUAN	DVOR	TOSHIBA TW-1202K	112.5 Mhz		NOP	21-Apr-15	21-Apr-16	Due to loss of lower sideband signal.
	DME	NEC NNG-570B		72X	Operational	21-Apr-15	21-Apr-16	Due for flight check.
CAGAYAN DE ORO	VOR	WILCOX 585B	113.3 Mhz		ON TEST	5-Aug-16	5-Feb-17	Flight Check conducted last Sept. 5, 2017 but result is not satisfactory.
	DME	WILCOX 596B		80X	ON TEST	5-Aug-16	5-Feb-17	
COTABATO	VOR	WILCOX 585B	113.7 Mhz		Operational	2-Dec-15	2-Dec-16	Due for flight check.
	DME	ASI 1119		84X	Operational	21-Apr-15	21-Apr-16	Due for flight check.
DUMAGUETE	VOR	WILCOX 585B	114.1 Mhz		Operational	14-Nov-16	14-Nov-17	Due for flight check.
ILOILO	DVOR	THALES 432	116.3 Mhz		Operational	29-Dec-16	29-Dec-17	Due for flight check.
	DME	NEC NNG-1797		110X	Operational	29-Dec-16	29-Dec-17	Due for flight check.
	LLZ 20	NEC NNG1801B	111.5 Mhz		NOP	29-Dec-16	29-Jun-17	Damaged by lightning
	GP 20	NEC NNG1802A	332.9 MHz		NOP	29-Dec-16	29-Jun-17	Damaged by lightning
	IDME 20	NEC NNG1798		52X	NOP	29-Dec-16	29-Jun-17	Damaged by lightning
LAGUINDINGAN	DVOR	MARU 220	116.1 MHz		Operational	16-Oct-17	16-Oct-18	Flight Check Current.
	DME	MARU 320		108X	Operational	16-Oct-17	16-Oct-18	Flight Check Current.
	LLZ-27	MARU 100	111.3 MHz		Operational	28-Nov-17	28-May-18	Flight Check Current.
	GP-27	MARU 100	332.3 Mhz		Operational	28-Nov-17	28-May-18	Flight Check Current.
	IDME-27	MARU 310		50X	Operational	28-Nov-17	28-May-18	Flight Check Current.
LEGASPI	DVOR	ASI 1150	112.2 Mhz		Operational	6-Sep-17	6-Sep-18	Flight Check Current.
	DME	ASI 1119		59X	Operational	6-Sep-17	6-Sep-18	Flight Check Current.
NAGA	DVOR	TOSHIBA TW2280	114.7 Mhz		Operational	5-Sep-17	5-Sep-18	on single system. (def LSB Module)
	DME	NEC NNG-1797		94X	Operational	5-Sep-17	5-Sep-18	Flight Check Current.
ROXAS	DVOR	TOSHIBA TW2280	112.9 Mhz		Operational	29-Dec-16	29-Dec-17	on single system. (def Mod Sig Gen)
	DME	NEC NNG-1797		76X	Operational	29-Dec-16	29-Dec-17	Due for Flight Check.
SAN JOSE	VOR	WILCOX 585B	117.1 Mhz		Operational	1-Sep-16	1-Sep-17	Due for Flight Check.
	DME	ASI 1119		118X	Operational	1-Sep-16	1-Sep-17	Due for Flight Check.

STATUS REPORT

1 February 2018

RADIO NAVAIDS EQUIPMENT

Airport/ Facility	Equipment	Brand/Model	Frequency	Channel	Status	Date of Last Flight Check	Expiry Date of Flight Check Validity	Remarks
TACLOBAN	DVOR	TOSHIBA TW2280	115.5 Mhz		Operational	6-Sep-17	6-Sep-18	Unusable: R056-R062, R088-R092, R148-R154, R194-R196, R252-R258, R290-R300, R357-R003
	DME	NEC NNG-1797		102X	Operational	6-Sep-17	6-Sep-18	Flight Check Current.
TUGUEGARAO	DME	NEC NNG-1797		58X	Operational	24-Jan-14	24-Jan-15	Due for flight check. *
CLASS 2 PRINCIPAL AIRPORTS								
BAGUIO	NDB	SAC SA-500	272 Khz		Operational	24-Jan-14	24-Jan-15	Due for Flight Check.
BASCO	DME	ASI 1119		107X	ON TEST	30-Aug-16	30-Aug-17	For flight check after corrective maintenance.
	NDB	PVV 300L	276 Khz		Operational	30-Aug-16	30-Aug-17	Due for Flight Check.
CATICLAN	NDB	JRC NC-18PH	379 Khz		Operational	27-Nov-17	27-Nov-18	Flight Check Current.
	DME	INTERSCAN LDB-102		81X	Operational	27-Nov-17	27-Nov-18	Flight Check Current.
JOLO	NDB	PVV 300L	404 KHz		NOP	Dec '01	Dec '02	Due to defective PA and monitor units.
MASBATE	DME	NEC NNG-970B		104X	Operational	11-Jun-14	11-Jun-15	Due for Flight Check.
SURIGAO	NDB	NAUTEL ND-500II	415 Khz		Operational	28-Apr-15	28-Apr-16	on single system.
VIRAC	NDB	JRC JXS101BT1	268 Khz		NOP	Mar '04	Mar '05	Due to fallen antenna masts.
COMMUNITY AIRPORTS								
CAUAYAN	DVOR	TOSHIBA TW2280	116.5 Mhz		Operational	11-Sep-17	11-Sep-18	Flight Check Current.
	DME	NEC NNG-1797		112X	Operational	11-Sep-17	11-Sep-18	Flight Check Current.
JOMALIG	DVOR	TOSHIBA TW2280	116.7 Mhz		NOP	5-Jun-12	5-Jun-13	Defective Mod. Sig. Gen. Module
	DME	NEC NNG-1797		114X	Operational	5-Jun-12	5-Jun-13	Operational from 0500 - 2100 only. Due for flight check.
LUBANG	VOR	ASI 1150	117.5 Khz		Operational	4-Mar-15	4-Mar-16	Due for Flight Check.
	DME	ASI 1119		122X	Operational	4-Mar-15	4-Mar-16	Due for Flight Check.
AIR NAVIGATION FACILITIES								
BACNOTAN	VOR	WILCOX 585B	114.5 Mhz		ON TEST	1-Sep-16		Dual system restored. Awaiting flight check.
CABANATUAN	DVOR	TOSHIBA TW2280	112.7 Mhz		Operational	11-Sep-17	11-Sep-18	Flight Check Current.
	DME	NEC NNG-1797		74X	Operational	11-Sep-17	11-Sep-18	Flight Check Current.
LIPA	VOR	WILCOX 585B	115.1 Mhz		NOP	12-Oct-15	12-Oct-16	Due to faulty commercial power system.

SUMMARY:

Total Number of Radio Navaids Equipment	110	
Number of Operational Radio Navaids Equipment with Current Flight Check Status	63	57.27%
Number of Operational Radio Navaids Equipment with Due For Flight Check Status	15	
Number of On-Test Radio Navaids Equipment	5	
Number of Non-Operational Radio Navaids Equipment	27	

EQUIPMENT STATUS REPORT

13 December 2017

PAPI/VASI

Facility	EQPT	BRAND	Year Installed	Equipment Status	Date Last Flight Checked	Currency of Flight Check	Expiry of Flight Check Validity	Remarks
INTERNATIONAL AIRPORTS:								
CLARK	PAPI 02R	ADB		OP	28-Apr-15	Due for Flight Check.	28-Apr-16	
	PAPI 20L	ADB		OP	28-Apr-15	Due for Flight Check.	28-Apr-16	
DAVAO	PAPI 05	ADB	2000	OP	6-Jun-16	Due for Flight Check.	2-Jun-17	Eff glide angle is 3.1°. Pilot & co-pilot side synchronized.
	PAPI 23	ADB	2000	ON TEST	6-Jun-16	Due for Flight Check.	2-Jun-17	co-pilot side only. Pilot side on test awaiting tick verification.
GEN. SANTOS (TAMBLER)	PAPI 17	ADB	1996	OP	9-Sep-16	Due for Flight Check.	9-Sep-17	
	PAPI 35	ADB	1996	OP	9-Sep-16	Due for Flight Check.	9-Sep-17	
KALIBO	PAPI 05	THORN	2017	OP	27-Aug-17	Flight Check Current.	27-Aug-18	
	PAPI 23	ADB	1992	OP	27-Aug-17	Flight Check Current.	27-Aug-18	
LAOAG	PAPI 01	ADB	2010	OP	18-Feb-17	Flight Check Current.	18-Feb-18	Pilot side only.
	PAPI 19	ADB	2010	OP	18-Feb-17	Flight Check Current.	18-Feb-18	Pilot side only.
MACTAN	PAPI 04	ADB		OP	26-Sep-13	Due for Flight Check.	26-Sep-14	
	PAPI 22	ADB		OP	26-Sep-13	Due for Flight Check.	26-Sep-14	
NAIA	PAPI 06	ADB		OP	29-Mar-17	Flight Check Current.	29-Mar-18	
	PAPI 24	ADB		OP	29-Mar-17	Flight Check Current.	29-Mar-18	
	PAPI 13	ADB		OP	10-Nov-15	Due for Flight Check.	9-Nov-16	
	PAPI 31	ADB		OP	14-Jul-14	Due for Flight Check.	14-Jul-15	
PUERTO PRINCESA	PAPI 09	YOUYANG	2017	OP	11-Apr-17	Flight Check Current.	11-Apr-18	
	PAPI 27	YOUYANG	2017	OP	11-Apr-17	Flight Check Current.	11-Apr-18	
SUBIC	PAPI 07	ADB		OP	10-Nov-15	Due for Flight Check.	9-Nov-16	
	PAPI 25	ADB		OP	Oct '10	Due for Flight Check.		
ZAMBOANGA	PAPI 09	ADB	1995	OP	14-Mar-17	Flight Check Current.	14-Mar-18	
	PAPI 27	ADB	1995	OP	14-Mar-17	Flight Check Current.	14-Mar-18	
CLASS I PRINCIPAL AIRPORTS								
BACOLOD-SILAY	PAPI 03	ADB	2007	OP	9-Mar-17	Flight Check Current.	9-Mar-18	
	PAPI 21	ADB	2007	OP	9-Mar-17	Flight Check Current.	9-Mar-18	
BUTUAN	PAPI 12	THORN	2010	OP	22-Nov-17	Flight Check Current.	22-Nov-18	
	PAPI 30	THORN	2010	OP	22-Nov-17	Flight Check Current.	22-Nov-18	
CAGAYAN DE ORO	PAPI 01	ADB	1994	OP	25-Sep-12	Due for Flight Check.	25-Sep-13	Aerodrome closed due to the opening of Leguindigan.
	PAPI 19	ADB	1994	OP	25-Sep-12	Due for Flight Check.	25-Sep-13	Aerodrome closed due to the opening of Leguindigan.
COTABATO	PAPI 10	THORN	2005	OP	9-Mar-17	Flight Check Current.	9-Mar-18	
	PAPI 28	THORN	2010	OP	9-Mar-17	Flight Check Current.	9-Mar-18	
DIPOLOG	PAPI 02	ADB	1999	ON TEST	13-Jan-16	Due for Flight Check.	12-Jan-17	For flight check verification
	APAPI 20	ADB	1999	ON TEST	13-Jan-16	Due for Flight Check.	12-Jan-17	For flight check verification

EQUIPMENT STATUS REPORT

13 December 2017

PAPI/VASI

Facility	EQPT	BRAND	Year Installed	Equipment Status	Date Last Flight Checked	Currency of Flight Check	Expiry of Flight Check Validity	Remarks
DUMAGUETE	PAPI 09	ADB	2008	NOP	12-Aug-13	Failed the Flight Check.		Due to vertical obstructions.
	PAPI 27	THORN	2017	OP	9-Aug-17	Flight Check Current.	9-Aug-18	
ILOILO	PAPI 02	THORN	2007	OP	17-Oct-17	Flight Check Current.	17-Oct-18	
	PAPI 20	THORN	2007	OP	17-Oct-17	Flight Check Current.	17-Oct-18	
LAGUINDINGAN	PAPI 09	YOUYANG	2013	OP	15-Sep-14	Due for Flight Check.	15-Sep-15	Pilot side only.
	PAPI 27	YOUYANG	2013	OP	15-Sep-14	Due for Flight Check.	15-Sep-15	Pilot side only.
LEGASPI	PAPI 06	ADB	1994	NOP	20-Oct-16	Due for Flight Check.	20-Oct-17	Unserviceable due to
	PAPI 24	ADB	1994	OP	20-Oct-16	Due for Flight Check.	20-Oct-17	
NAGA	PAPI 04	THORN	2004	OP	4-Nov-17	Flight Check Current.	4-Nov-18	
	PAPI 22	THORN	2004	OP	4-Nov-17	Flight Check Current.	4-Nov-18	
PAGADIAN	PAPI 02	THORN	2010	ON TEST	10-Mar-17	Flight Check Current.	10-Mar-18	For flight check verification
	PAPI 20	THORN	2010	OP	10-Mar-17	Flight Check Current.	10-Mar-18	PAPI 20 eff glide angle changed from 3.0 to 3.2° due to obstruction.
ROXAS	PAPI 14	THORN	2017	OP	22-Feb-17	Flight Check Current.	22-Feb-18	PAPI 14 approved for right base approaches only due to obstructing vegetation & perimeter fence at left sector final approach.
	PAPI 32	THORN	2017	OP	22-Feb-17	Flight Check Current.	22-Feb-18	
SAN JOSE	PAPI 10	ADB	1993	OP	6-Mar-17	Flight Check Current.	6-Mar-18	
	PAPI 28	ADB	2002	OP	6-Mar-17	Flight Check Current.	6-Mar-18	
TACLOBAN	PAPI 18	ADB	2010	OP	2-Mar-17	Flight Check Current.	2-Mar-18	
	PAPI 36	ADB	2010	OP	2-Mar-17	Flight Check Current.	2-Mar-18	
TAGBILARAN	PAPI 17	ADB	1995	OP	1-Mar-17	Flight Check Current.	1-Mar-18	
	PAPI 35	ADB	1995	OP	1-Mar-17	Flight Check Current.	1-Mar-18	
TUGUEGARAO	PAPI 17	ADB	1999	OP	18-Mar-17	Flight Check Current.	18-Mar-18	
	PAPI 35	ADB	1999	OP	18-Mar-17	Flight Check Current.	18-Mar-18	
CLASS 2 PRINCIPAL AIRPORTS								
BAGUIO	PAPI 27	ADB	2002	OP	26-Oct-12	Due for Flight Check.	26-Oct-13	Co-Pilot Side Only. Limited visibility at Left sector of Rwy due to obs vegetation.
BASCO	PAPI 06	THORN	2013	OP	20-Mar-17	Flight Check Current.	20-Mar-18	Recalibrated effective glide angle to 3° from 3.5°.
BUSUANGA	PAPI 26	THORN	2011	ON TEST	6-Apr-16	Due for Flight Check.	4-Apr-17	Usable only for right base approaches due to obstructing terrain on left base leg.
CATARMAN	PAPI 04		2012	OP	3-Mar-17	Flight Check Current.	3-Mar-18	
	PAPI 22		2012	OP	3-Mar-17	Flight Check Current.	3-Mar-18	
CATICLAN	PAPI 06	THORN	2017	OP	18-May-17	Flight Check Current.	18-May-18	
	PAPI 24	THORN	2017	OP	18-May-17	Flight Check Current.	18-May-18	
MARINDUQUE	PAPI 16	ADB	1993	NOP	Jul '09			Cables grounded. For corrective maintenance.
	PAPI 34	ADB	1993	OP	7-Feb-13	Due for Flight Check.	7-Feb-14	with restriction. Limited visibility at left sector of approach path due to obstructing vegetation.

EQUIPMENT STATUS REPORT

13 December 2017

PAPI/VASI

Facility	EQPT	BRAND	Year Installed	Equipment Status	Date Last Flight Checked	Currency of Flight Check	Expiry of Flight Check Validity	Remarks
MASBATE	PAPI 03	THORN	2017	OP	3-Nov-17	Flight Check Current.	3-Nov-18	Commissioning flight check conducted Nov. 3, 2017
	PAPI 21	THORN	2017	OP	3-Nov-17	Flight Check Current.	3-Nov-18	Commissioning flight check conducted Nov. 3, 2017
SURIGAO	PAPI 18	ADB	2013	NOP	6-Jun-16	Due for Flight Check.	2-Jun-17	Defective CCR brightness selector
	PAPI 36	ADB	2013	NOP	6-Jun-16	Due for Flight Check.	2-Jun-17	Defective CCR brightness selector
VIRAC	PAPI 06	THORN	2002	NOP	17-Oct-13	Due for Flight Check.	17-Oct-14	Failed the flight check due to vertical obstructions.
	PAPI 24	THORN	2002	NOP	17-Oct-13	Due for Flight Check.	17-Oct-14	Failed the flight check due to vertical obstructions.
COMMUNITY AIRPORTS								
OZAMIS	PAPI 03	THORN		OP	13-Jan-16	Due for Flight Check.	12-Jan-17	
	PAPI 21	THORN		OP	13-Jan-16	Due for Flight Check.	12-Jan-17	
SAN FERNANDO	PAPI 01			NOP		Failed.		Light units already covered with soil.
	PAPI 19			ON TEST	22-Aug-13	Failed.		due to obstruction. Limited to 3 NM only. Corrective action c/o Airport Authority.

SUMMARY:

Total Number of Visual Landing Aids:	73	
Number of Operational Visual Landing Aids Due for Flight Check:	20	
Number of Operational Visual Landing Aids with Flight Check Current:	35	47.95%
Number of Non-Operational Visual Landing Aids:	8	
Number of Visual Landing Aids with On-Test Status:	8	
Total Number of Visual Landing Aids due for flight check for 2017:	23	

Submitted By:

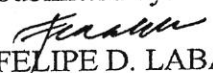
FELIPE D. LABADO
Department Manager III, ANOD



ON-SITE TECHNICAL ASSISTANCE PROVIDED TO AIR NAVIGATION FACILITIES FOR CY 2017

T.O. No.(s)	FACILITY	MISSION	DURATION
007-17	Virac	<ul style="list-style-type: none"> To assess the damage to the Non-Directional Beacon (NDB) antenna system including guy support structures caused by typhoon NINA. To determine the scope of works including the materials needed to restore the NDB to normal operations. 	January 4 – 6, 2017
828-17	Naga	Operational testing of repaired modules of Toshiba TW2280 DVOR at Naga Air Navigation Facility.	April 3 – 7, 2017
1104-17 & 1354-17(Ext)	Legazpi & Virac	Installation and testing of radio communications system(s) for VHF air-to-ground radio communications at Legazpi and if necessary, Virac Aerodrome, to improve/extend the radio coverage of Legazpi Tower/Approach Control for a reliable radio communications in JUBAL and TORNE reporting points.	May 10 – 22, 2017
1105-17 & 1355-17	Legazpi & Virac	Installation of antenna system(s) for VHF air-to-ground radio communications at Legazpi and if necessary, Virac Aerodrome, to improve/extend the radio coverage of Legazpi Tower/Approach Control for a reliable radio communications in JUBAL and TORNE reporting points.	May 10 – 22, 2017
1749-17	Tagaytay	Dismantling of two (2) sixty-foot high Trylon™ antenna tower masts at Tagaytay Radar Facility.	July 5 -15, 2017
2121-17	Plaridel	Accompany and provide assistance to Toshiba Japanese Engineers in the evaluation and testing of communications console modules at Plaridel Airport.	August 4, 2017
2139-17	Cauayan	Provide on-site technical assistance to restore the Toshiba TW2280 DVOR at Cauayan Air Navigation Facility to dual system operations.	August 21 – 25, 2017
ANS-2017-025 & ANS-2017-033 (Ext.)	Romblon	<ul style="list-style-type: none"> Transport One (1) Unit 7.5 KVA Portable Diesel Generator Set. Instruct and Assist On-Site ANS Personnel in its Installation, Operation and Maintenance. 	October 4-11, 2017
ANS-2017-029	Dumaguete	Provide on-site technical assistance in the retuning of Jotron (Unit 3) VHF AM Transmitter and Receiver System from 122.0 MHz to 121.5 MHz.	October 10-13, 2017
ANS-2017-064	Busuanga	<ul style="list-style-type: none"> Provide on-site technical assistance in the restoration of MET Instruments. Installation of new ATC Light Gun. Installation of PC-based Voice Logging System. 	November 13-16, 2017
ANS-2017-063	Zamboanga	<ul style="list-style-type: none"> Provide on-site technical assistance in the restoration of the DVOR equipment to dual system operations. Reliability testing of repaired Toshiba DVOR modules. 	November 20-25, 2017
ANS-2017-074	Laoag	Provide on-site technical assistance in the restoration of the 119.3 MHz en-route aeronautical communications to normal operations.	November 24-29, 2017
ANS-2017-069	Legazpi	Provide on-site technical assistance in the replacement of the VHF Antenna used for extended approach control which was damaged by lightning.	November 27-30, 2017

Submitted by:


FELIPE D. LABADO
Department Manager III, ANOD



Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

MEMORANDUM

FOR : EDGARDO M. FELISILDA
Department Manager, ANPID

FROM : Department Manager, ANPPDD

SUBJECT : TURNOVER OF PROJECTS FOR IMPLEMENTATION

DATE : 3 November 2017

The ANPPDD have completed its task of planning, detailed engineering and design, preparation of Program of Work (POW), preparation of Bidding Documents, and providing support during the procurement of the Project mentioned below.

In this regard, said Project is hereby turned over to ANPID for execution/implementation:

Name of Project	Airport/ANF	CY	Contract Time (CD)	Contract Amount
1) Upgrading of Airfield Lighting System and Runway Threshold Identification Lights	Gen. San Airport	2017	180 days	PhP39,988,558.08
2) Purchase/Installation of PAPI System and Aerodrome Beacon	Cauayan Airport	2017 (Carried Over)	120 days	PhP14,388,880.81

Attached is approved copy of the POWs, Notice of Award (NOA), Contract Agreement/Purchase Order and Notice to Proceed (NTP) of the aforementioned Projects. Copy of the Contractor's Technical and Financial Bid may be requested from the BAC for your Department's reference.

It should be noted that the ANPPDD, as part of its function, will be implementing a post project implementation review after the completion of these Projects.

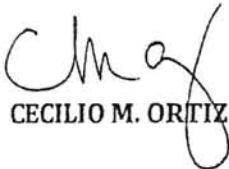
It is requested that the ANPPDD be provided with a copy of the following documents after Project completion:

- Site Acceptance Test Report;

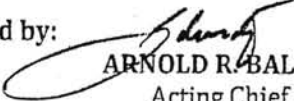
Edgardo M. Felisilda
11/6/17

- b. Certificate of Project Completion/ Final Acceptance
- c. Soft Copy of Technical Manuals;
- d. As- Built Drawings (soft copy, if available);
- e. Commissioning Flight Test Report (as applicable)

For appropriate action.


CECILIO M. ORTIZ

Noted by:


ARNOLD R. BALUCATING
Acting Chief, ANS



Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

MEMORANDUM

FOR : EDGARDO M. FELISILDA
Department Manager, ANPID

FROM : Department Manager, ANPPDD

SUBJECT : TURNOVER OF PROJECTS FOR IMPLEMENTATION

DATE : 20 June 2017

The ANPPDD have completed its task of planning, detailed engineering and design, preparation of Program of Work (POW), preparation of Bidding Documents, and providing support during the procurement of the Project mentioned below.

In this regard, said Project is hereby turned over to ANPID for execution/implementation:

Name of Project	Airport/ANF	CY	Contract Time (CD)	Contract Amount
1) Purchase/Installation of LED AFL and Solar Powered TEL (new)	Kalibo Airport	2016	60 days	PhP22,208,888.29
2) Purchase/Installation of Solar Powered Windcone and LED AFL (new)			60 days	

Attached is approved copy of the POWs, Notice of Award (NOA), Contract Agreement/Purchase Order and Notice to Proceed (NTP) of the aforementioned Projects. Copy of the Contractor's Technical and Financial Bid may be requested from the BAC for your Department's reference.

It should be noted that the ANPPDD, as part of its function, will be implementing a post project implementation review after the completion of these Projects.


It is requested that the ANPPDD be provided with a copy of the following documents after Project completion:

- Site Acceptance Test Report;
- Certificate of Project Completion/ Final Acceptance
- Soft Copy of Technical Manuals;

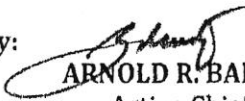
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Thyng, H. Sec

- d. As- Built Drawings (soft copy, if available);
- e. Commissioning Flight Test Report (as applicable)

For appropriate action.


CECILIO M. ORTIZ

Noted by:


ARNOLD R. BALUCATING
Acting Chief, ANS



Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

MEMORANDUM

FOR : EDGARDO M. FELISILDA
Department Manager, ANPID

FROM : Department Manager, ANPPDD

SUBJECT : TURNOVER OF PROJECTS FOR IMPLEMENTATION

DATE : 05 July 2017

The ANPPDD have completed its task of planning, detailed engineering and design, preparation of Program of Work (POW), preparation of Bidding Documents, and providing support during the procurement of the Project mentioned below.

In this regard, said Project is hereby turned over to ANPID for execution/implementation:

Name of Project	Airport/ANF	CY	Contract Time (CD)	Contract Amount
1) Purchase/Installation of VLS	Tuguegarao Airport	2017	180 days	PhP1,900,000.00
2) Rehabilitation of Circuits-1 of REL, STL, TEL and LED Apron Flood Lights, Additional CCR	Laoag Airport	2017 (Carried Over)	150 days	PhP24,988,810.39
3) Rehabilitation of AFC Building including Control Tower and Other Works	Mactan Airport	2017 (Carried Over)	120 days	PhP10,683,109.99

Attached is approved copy of the POWs, Notice of Award (NOA), Contract Agreement/Purchase Order and Notice to Proceed (NTP) of the aforementioned Projects. Copy of the Contractor's Technical and Financial Bid may be requested from the BAC for your Department's reference.

It should be noted that the ANPPDD, as part of its function, will be implementing a post project implementation review after the completion of these Projects.

It is requested that the ANPPDD be provided with a copy of the following documents after Project completion:

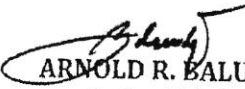
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Date: 05 July 2017

- a. Site Acceptance Test Report;
- b. Certificate of Project Completion/ Final Acceptance
- c. Soft Copy of Technical Manuals;
- d. As- Built Drawings (soft copy, if available);
- e. Commissioning Flight Test Report (as applicable)

For appropriate action.


CECILIO M. ORTIZ

Noted by:


ARNOLD R. BALUCATING
Acting Chief, ANS



Republic of the Philippines
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

MEMORANDUM

FOR : **EDGARDO M. FELISILDA**
Department Manager, ANPID

FROM : **Department Manager, ANPPDD**

SUBJECT : **TURNOVER OF PROJECTS FOR IMPLEMENTATION**

DATE : **06 June 2017**

The ANPPDD have completed its task of planning, detailed engineering and design, preparation of Program of Work (POW), preparation of Bidding Documents, and providing support during the procurement of the Project mentioned below.

In this regard, said Project is hereby turned over to ANPID for execution/implementation:

Name of Project	Airport/ANF	CY	Contract Time (CD)	Contract Amount
1) Purchase/Installation of DVOR/DME	San Jose Airport	2017 (Carry-over)	365	PhP58,297,267.27

Attached is approved copy of the POW, Notice of Award (NOA), Contract Agreement/Purchase Order and Notice to Proceed (NTP) of the aforementioned Projects. Copy of the Contractor's Technical and Financial Bid may be requested from the BAC for your Department's reference.

It should be noted that the ANPPDD, as part of its function, will be implementing a post project implementation review after the completion of these Projects.

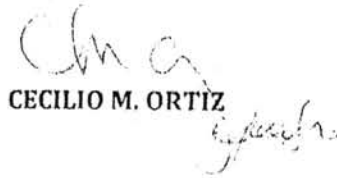
It is requested that the ANPPDD be provided with a copy of the following documents after Project completion:

- Site Acceptance Test Report;
- Certificate of Project Completion/ Final Acceptance
- Soft Copy of Technical Manuals;
- As- Built Drawings (soft copy, if available);

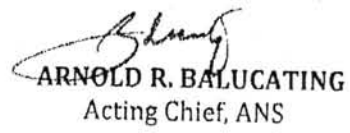
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e. Commissioning Flight Test Report (as applicable)

For appropriate action.


CECILIO M. ORTIZ

Noted by:


ARNOLD R. BALUCATING
Acting Chief, ANS

ANS 5 Year ANP Development Plan

2017

REGION / AIRPORT / FACILITY			2017	2018	2019	2020	2021
TOTAL PROJECTS PER YEAR >>>			35	30	19	6	16
			915,058,000	813,300,000	745,500,000	453,000,000	339,800,000
NCR Total per Year>>>			296,500,000	200,000,000	141,000,000	-	
MANILA AFC							
1	Rehabilitation of HF Transmitter of Aeronautical Mobile Service (AMS)		150,000,000				
2	Relocation of TOP SKY				100,000,000		
MANILA CENTRAL OFFICE							
1	Rehabilitation/Improvement of ANS Office		14,500,000				
2	Establishment of ADS-B Ground Station (Pagasa Island Station)		132,000,000				
3	Establishment of ADS-B Ground Station (Bolinao Station)						
4	Establishment of ADS-B Ground Station (Iba Station)						
5	Establishment of ADS-B Ground Station (Jomalig Station)				41,000,000		
MANILA TECHNICAL CENTER							
1	Purchase of Spare parts for CNS/MET Equipments			100,000,000			
2	Purchase of Spare parts for Electro-Mechanical and Airfield lighting Equipments			100,000,000			
Region 01 Total per Year>>>			28,633,000	51,000,000	-	137,000,000	50,000,000
LAOAG							
1	Purchase/Installation of ILS					75,000,000	
2	Rehabilitation of Airfield Lighting System, REL CKT1, TWY CKT1 and CCR		25,633,000				
3	Purchase/Installation of PAPI System RNWY 01 & RNWY 19 Pilot & co-Pilot side.			50,000,000			
4	Purchase/Installation of PALS RNWY 01					62,000,000	
5	Purchase/Installation of ABN.		1,000,000				
6	UPS 3-Phase 20KVA			1,000,000			
7	Construction of CHB Perimeter Fence at RWY01 (SALS Area)						10,000,000
VIGAN							
1	Purchase/Installation of FSS equipment		2,000,000				
2	Construction of FSS Building						20,000,000
LINGAYEN							
1	Construction of FSS Facility including Powerhouse						20,000,000
Region 02 Total per Year>>>			20,000,000	60,000,000	135,600,000	10,000,000	-
CAUAYAN							
1	Purchase/Installation of Aerodrome Beacon		15,200,000				
2	Purchase/Installation of PAPI						
3	Purchase/Installation of AFL (REL, FL, TEL, WDIL, RTIL, THL/END & ABN including CCR)			60,000,000			
4	Replacement of MET Instruments				10,000,000		

TUGUEGARAO						
1	Purchase/Installation of VLS	2,800,000				
2	Site Acquisition for the Installation of DVOR	2,000,000				
3	Purchase/Installation of DVOR/DME			65,000,000		
4	Construction of 6-Storey Control Tower Building			35,000,000		
5	Purchase/Installation of Communication Equipment including VCS			25,600,000		
6	Replacement of MET Instruments				10,000,000	
Region 04-A		Total per Year>>		65,000,000	-	200,000,000
TAGAYTAY RADAR						
1	Purchase/Installation of RADAR System					200,000,000
LIPA						
1	Purchase/Installation of DVOR/DME			65,000,000		
Region 04-B		Total per Year>>		60,000,000	53,800,000	18,000,000
PUERTO PRINCESA						
1	Installation Of Terminal Radar and Integration to ATMC				200,000,000	
BUSUANGA						
1	Purchase/Installation of Communications Equipment		27,000,000			
2	Purchase/Installation of VLS		2,800,000			
3	Upgrading of Commercial Power Line from Single Phase to 3 Phase					6,000,000
SAN JOSE						
1	Replacement of DVOR/DME	60,000,000				
2	Purchase/Installation of Communication Equipment					12,000,000
SAN VICENTE						
1	Purchase/Installation of Communications Equipment		7,000,000			
2	Purchase/Installation of MET Instruments		5,000,000			
3	Purchase/Installation of Airfield Lighting System		12,000,000			

Region 05		Total per Year>>	46,900,000	29,500,000	41,300,000	-	15,000,000
LEGASPI							
1	Purchase/Installation of Communications Equipment			8,000,000			
2	Purchase/Installation of PAPI System				15,000,000		
3	Replacement of Console and Voice Communication Switch						15,000,000
4	Airfield Lighting Remote Control Panel	2,000,000					
5	300kVA Generator Set includig Power Transmissin Lines	2,900,000					
MASBATE							
1	Construction of New 3-storey FSS Building including Powerhouse	20,000,000					
2	Replacement of FSS equipment.			5,000,000			
NAGA							
1	Purchase/Installation of VLS				2,800,000		
2	Purchase/Installation of Apron Floodlight and Lighted Windcone			12,500,000			
VIRAC							
1	Purchase/Installation of Runway Threshold Identification Lights, Wind Direction Indicator Lights, and Apron Flood Lights				23,500,000		
2	Construction of New 4-storey FSS Building with Powerhouse	20,000,000					
3	Establishment of RCAG			4,000,000			
4	Replacement of Communications Equipment	2,000,000					
Region 06		Total per Year>>	40,525,000	114,000,000	-	-	6,500,000
ANTIQUE							
1	Establishment of RCAG			4,000,000			
KALIBO							
1	Replacement of ILS			75,000,000			
2	Purchase/Installation of PAPI at Runway 23			8,000,000			
3	Purchase/Installation of Lighted Windcone and Apron Flood Light (for old Apron)	22,725,000					
4	Purchase/Installation of Apron Floodlight (for new Apron)						
5	Installation of New Elevator at Control Tower						6,500,000
ROXAS							
1	Purchase/Installation of Communications Equipment			12,000,000			
2	Purchase/Installation of VLS	2,800,000					
3	Purchase/Installation of VCS			15,000,000			
4	Construction of New 5-Storey Control Tower Building	15,000,000					
ILOILO							
1	Purchase/Installation of VLS				2,800,000		
2	Purchase/Installation of Communications Equipment				12,000,000		

Region 07		Total per Year>>	58,500,000	-	-	20,800,000
MACTAN TOWER						
1	Purchase/Installation of Communication Equipment including VCS	35,000,000				
MACTAN AFC						
1	Rehabilitation of AFC Building including Control Tower	15,000,000				
MT. MAJIC						
1	Improvement of Water Supply System	3,000,000				
DUMAGUETE						
1	Upgrade of Power System	1,500,000				
TAGBILARAN						
1	Upgrading of Power System	4,000,000				
2	Purchase/Installation of VLS					2,800,000
3	Purchase/Installation of 300KVA DEGS for entire Tagbilaran Airport including Rehabilitation of Powerhouse					5,000,000
4	Rehabilitation of Taxiway Lights					8,000,000
5	Improvement of MET Instrument					5,000,000
Region 08		Total per Year>>	65,000,000	-	-	20,000,000
ORMOC						
1	Construction of FSS Building including Powerhouse					20,000,000
TACLOBAN						
1	Replacement of DVOR/DME	65,000,000				
Region 09		Total per Year>>	90,000,000	232,000,000	30,800,000	1,500,000
DIPOLOG						
1	Purchase/Installation of PAPI System		12,000,000			
2	Establishment of RCAG		4,000,000			
PAGADIAN						
1	Purchase/Installation of Communications Equipment			28,000,000		
2	Purchase/Installation of VLS			2,800,000		
3	Purchase Installation of AFL		60,000,000			
4	Construction of New Powerhouse Building for 1-20KVA Generator		6,000,000			
5	Replacement of MET Instruments		10,000,000			

ZAMBOANGA						
1	Construction of New Control Tower Building		40,000,000			
2	Replacement of ILS		75,000,000			
3	Purchase/Installation of Aerodrome Beacon Light					1,500,000
4	Purchase/Installation of PAPI System		25,000,000			
5	Purchase/Installation of Airfield Lighting system	65,000,000	40,000,000			
6	Purchase/Installation of Apron Flood Lights	10,000,000				
7	Purchase/Installation of Simple Approach Light System	15,000,000				
Region 10		<i>Total per Year>></i>	4,000,000	35,000,000	30,800,000	-
CAMIGUIN						
1	Purchase/Installation of FSS equipment	2,000,000				
OZAMIS						
1	Construction of 5-Storey Control Tower Building including Powerhouse		35,000,000			
2	Purchase/Installation of Communications Equipment	2,000,000				
3	Purchase/Installation of Communications Equipment including VCS and Lightgun			28,000,000		
4	Purchase/Installation of VLS			2,800,000		
Region 11		<i>Total per Year>></i>	47,000,000	-	150,000,000	5,000,000
DAVAO						
1	Purchase/Installation of Communications Equipment including VCS	35,000,000				
2	Edge Lights	12,000,000				
3	Purchase/Installation of ILS (both runway)			150,000,000		
4	Construction of New Davao FSS Building					5,000,000
Region 12		<i>Total per Year>></i>	56,000,000	28,000,000	116,000,000	106,000,000
COTABATO						
1	Replacement of MET Instruments		10,000,000			
2	Replacement of DVOR/DME				65,000,000	
3	Upgrading of AFL System (PAPI, Threshold Lights & others)		8,000,000			
4	Construction of Tower Multi-Function Building including furnishings					3,000,000

ANS 5 Year ANF Development Plan

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TAMBLER						
1	Establishment of ADS-B				41,000,000	
2	Replacement of Instrument Landing System (ILS) @ RWY 17			75,000,000		
3	Rehabilitation of Airfield Lighting System (REL TWY, THL) and Installation of Additional Runway Threshold Identification Lights	41,000,000				
4	Replacement of MET Instruments		10,000,000			
5	Purchase/Installation of PAPI System and solar Lighted Windcone	15,000,000				
6	Purchase/Installation of PALS at RNWY 17			41,000,000		
REGION 13		<i>Total per Year>></i>	102,000,000	-	-	-
BUTUAN						
1	Site Acquisition of SALS	2,000,000				
2	Construction of 7-Storey Control Tower Building including Powerhouse	35,000,000				
3	Purchase/Installation of DVOR/DME including access road	65,000,000				
ARMM		<i>Total per Year>></i>	-	10,000,000	35,000,000	-
JOLO						
1	Purchase/Installation of PAPI			15,000,000		
2	Purchase/Installation of MET Instruments		5,000,000			
3	Construction of 4 Storey FSS Building and Powerhouse			20,000,000		
SANGA-SANGA						
1	Purchase/Installation of MET Instruments		5,000,000			
		<i>Total Number of Projects Per Year>></i>	35	30	19	6
						16

Note: Above proposed projects are based on current operational requirements. Amounts are approximate (ballpark figure)

Recommending Approval:

CECILIO M. ORTIZ
Department Manager
AN2-PPDD

EDGARDO M. FELISILDA
Department Manager
AN3-PID

MARIO T. MENDOZA
Department Manager
AN4-QMD

FELIPE D. LABADO
Department Manager
AN5-ANOD

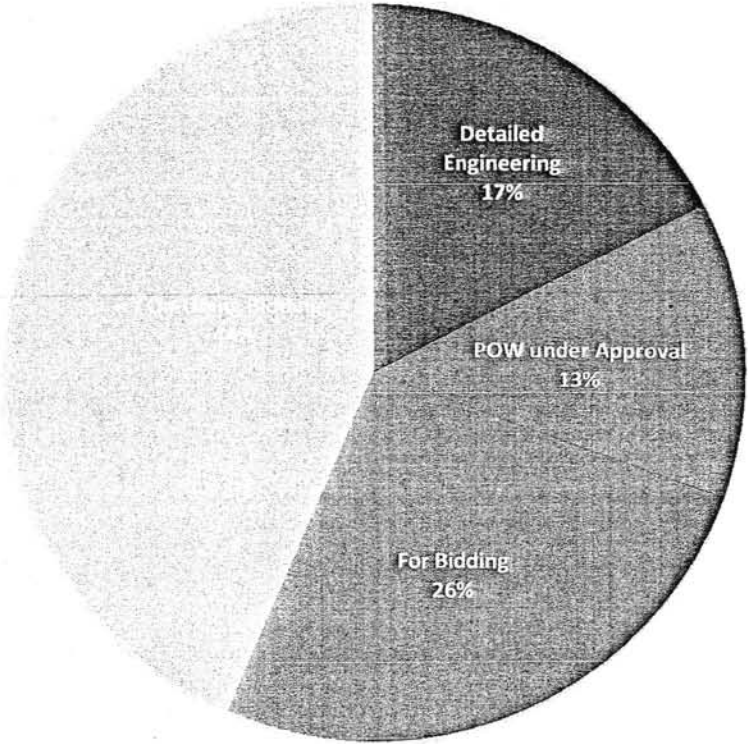
Approved:

ARNOLD R. BALUCATING
Acting Chief
Air Navigation Service

Date Approved (ANS):

COUNT	Project Package	Team Members	Location	APP Annex A No.	APP Project Cost	Current Activities/Action Taken	Remarks / Planned Activities/ BAC Activities
1	Purchase/Installation of Navigational Aids	JOFET	TAMBLER		137,000,000	Bid evaluation by BAC TWG on-going.	
2	Airfield Lighting System (ALS)	VER & JOJO	NAGA	D.P29	30,000,000	Bid Evaluation undertaken by BAC.	
3	Purchase/Installation of PAPI System and Lighted Windcone	VER & JOJO	TAMBLER	D.P30	25,000,000	POW preparation on-going.	
4	Purchase/Installation of HF Communications Systems for Manila AMS	JOFET	MANILA CENTRAL OFFICE	D.P29	20,500,000	Project re-earmarked last 15 January 2018. Awaiting for the schedule of BAC for pre-procurement.	
5	Establishment of ADS-B Ground Station (Pagasa)	JOFET	MANILA CENTRAL OFFICE		19,200,000	Project re-earmarked last 15 January 2018. Awaiting for the schedule of procurement by BAC.	
6	Rehabilitation/Improvement of ANS Offices	FINLAND	MANILA CENTRAL OFFICE	E.P50	14,500,000	BAC resolution to re-bid the project for signature.	
7	Purchase/Installation of Apron Flood Light, Solar Powered Taxiway Edge Lights	VER & JOJO	DAVAO	D.P30	12,000,000	Bid evaluation by BAC TWG on-going.	
8	Replacement of MET System	JUN & GERALD	NAGA	D.P29	10,000,000	Preparation of POW on-going.	
9	Purchase/Installation of Apron Floodlight	VER	ZAMBOANGA	D.P29	10,000,000	POW approval on-going.	
10	Replacement of DVOR/DME	JOFET & JUN	TACLOBAN	D.P29	9,750,000	Project for Award to the winning bidder.	
11	Replacement of DVOR/DME	ROSE & GERALD	BUTUAN	D.P30	9,750,000	Post Qualification evaluation undertaken by BAC TWG.	
12	Purchase/Installation of Airfield Lighting System (REL, TEL, Solar WDIL, ABN & PAPI System)	VER & JOJO	ZAMBOANGA	D.P30	9,750,000	POW approval on-going.	
13	Purchase/Installation of Communications Equipment including VCS	ROSE & GERALD	MACTAN AFC	D.P30	5,250,000	Project re-earmarked last 15 January 2018. Awaiting for the schedule of BAC for pre-procurement.	
14	Purchase/Installation of Communications Equipment including VCS	JUN & GERALD	DAVAO	D.P30	5,250,000	Project re-earmarked last 15 January 2018. Awaiting for the schedule of BAC for pre-procurement.	
15	Purchase/Installation of VLS	JUN & GERALD	ROXAS	D.P29	2,800,000	Project for presentation of Post Qualifications Evaluation Result to BAC.	
16	Construction of New 3-storey FSS Building including other works	FINLAND	MASBATE	E.P50	2,250,000	POW approved last 31 January 2018. Preparation of Bidding Documents on-going.	
17	Construction of New 4-storey FSS Building including power house	FINLAND	VIRAC	E.P51	2,250,000	POW approved last 31 January 2018. Preparation of Bidding Documents on-going.	
18	Purchase/Installation of Simple Approach Light System	VER & JOJO	ZAMBOANGA	D.P30	2,250,000	POW preparation on-going.	
19	Supply & Delivery of FSS Communication Equipment	ROSE & GERALD	VIGAN	D.P29	2,000,000	Project re-earmarked last 15 January 2018. Project for re-bid.	
20	Supply & Delivery of Communications Equipment	JUN & GERALD	VIRAC	D.P29	2,000,000	Project re-earmarked last 15 January 2018. Project for re-bid.	
21	Supply & Delivery of FSS Communications Equipment	JUN & GERALD	CAMIGUIN	D.P30	2,000,000	Project re-earmarked last 15 January 2018. Project for re-bid.	
22	Supply & Delivery of Communications Equipment	ROSE & GERALD	OZAMIZ	D.P30	2,000,000	Project re-earmarked last 15 January 2018. Project for re-bid.	
23	Purchase/Installation of Aerodrome Beacon	VER & JOJO	LAOAG	D.P29	1,000,000	POW preparation on-going.	
					336,500,000		

PPDD Project Management Report



■ Detailed Engineering ■ POW under Approval ■ For Bidding ■ On-Going Bidding