

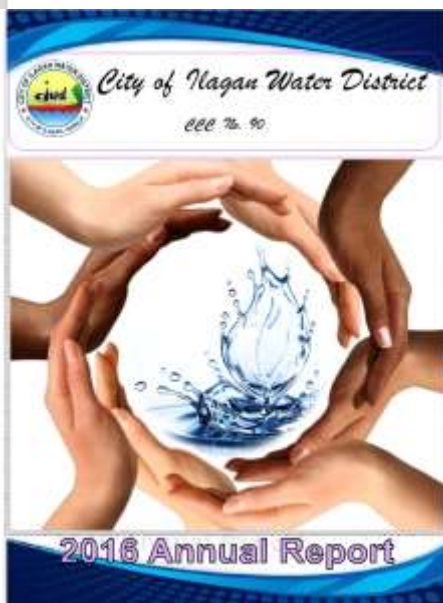


# *City of Ilagan Water District*

*CCC No. 090*



## **2016 Annual Report**



### Our Cover

“Working as one in the provision of a clean and safe potable water; Leading the way for a healthier life.” The CIWD is committed in attaining its mission and vision ensuring customer satisfaction for a world class performance.

## VISION

The most innovative and efficient water district in the provision of safe potable water and sewerage system.

## MISSION

To develop, preserve an ecological and sustainable, safe and potable water resource; to uphold healthy practices to protect and stabilize Mother Earth and the health of the City residents; insure continuous improvement in public services in providing safe potable water and sewerage system at par with international standards.

## CORPORATE PHILOSOPHY

"Honesty and Integrity Suffice"



**“Working as one in the provision of a clean and safe potable water;  
Leading the way for a healthier life.”**



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# Corporate

City of Ilagan Water District in City of Ilagan, Isabela was established by Section 4 of Presidential Decree (P. D.) No. 198 as amended by PD Nos. 768 and 1479, RA 9286 known and referred to as the "Local Water District Law" and "Provincial Water Utilities Act of 1973", respectively. The Local Water Utilities Administration (LWUA) has awarded the Certificate of Conformance No. 090 to the District on August 30, 1979. It operates with the primary objective of giving the best service possible to its concessionaires by providing them with reliable and economically viable and sound water supply.

The CIWD is headed by the General Manager who is in charge of the day-to-day operations of the CIWD. Based on its 2016 Monthly Data Sheet (MDS), CIWD employs a total of 32 regular employees and serves 6,899 services, resulting in a staff productivity index for an employee to connections ratio of 1:216.

CIWD's water network consist of five (5) independent water supply systems, the biggest main system of which is Poblacion, Osmeña, Calamagui 1st & 2nd, Baligatan and Alibagu main system. Along with the five (5) main system, three (3) other water systems, namely Eastern Barangay, California Homes Subdivision and Upper Osmeña derive water from underground sources.

At present, the utility operates 24 production well, 9 reservoirs, 2 booster pumps, 24 chlorinating facilities, three (3) sedimentation basins and 96.6 km of pipelines covering 24 out of 91 barangays of the City.

Water Quality of CIWD facilities are being monitored and tested on a regular basis. Most of the water sources treatment from deep well treatment is thru injection of chlorine. Aside from chlorination, 5 out of the 24 deep wells have filtration system namely Bagumbayan PS, Marana 1st PS, Upper Osmeña PS, Sto. Tomas 2 PS, and PMS PS as additional treatment. Also Bagumbayan PS have coagulation treatment aside from filtration and chlorination to address high manganese. Though passing the Philippine National Standard for Drinking Water (PNSWD) twelve (12) of the deepwell failed the secondary limit for manganese and iron. Exceeding the secondary limit will cause water discoloration.

Water consumption is determined through monthly reading of concessionaire's meters. Concessionaires pay the corresponding bill for the month in the office as well as accredited Bills Payment Center and banks.

CIWD focuses on improving its services in accordance with the Citizens Charter as mandated by the National Government. Working as one in the provision of a clean and safe potable water; leading the way for a healthier life is treated as guide in achieving its vision and mission .

# Profile

# Significant



**406**

**New Service Connections**

**5,167**

**Active Connections**



**100%**

**Bacteria free  
Water Samples**



**4,255 linear mtrs - New pipeline laid**

**Service - HDPE 1" - 545 linear meters**

**Distribution:**

**HDPE - 2" - 480 linear meters**

**UPVC - 2" - 2,645 linear meters**

**Transmission:**

**UPVC - 6" - 498 linear meters**

**HDPE - 3" 100 linear meters**

**UPVC - 3" 499 linear meters**

**BI Pipe - 3" - 33 linear meters**



**99,639 linear meters**

**Total Pipe Network**

**25,835**

**Population served**



# Figures





Miliaga Pumping Station



Bajambanan Pumping Station



Manggapan Kid Pumping Station

## PUMPING STATIONS



Mitas Pumping Station



Calamagui 1st (Riverside) Pumping Station



Calamagui 1st (South Central) Pumping Station



## ADMINISTRATIVE & GENERAL SERVICES DIVISION

The Administrative and General Service Division projects an effective performance as presented, analyzed and interpreted based on the information and data gathered from 1st quarter to the last quarter of 2016. It presents the pattern in the career advancement and views regarding factors that have significant relation on Job performance in terms of creating job positions.

The point of reference in the increase in number of permanent employees is based on the ratio in the total number of active service connections to the total number of permanent employees which indicated the manpower efficiency of the City of Ilagan Water District (CIWD).

The City of Ilagan Water District (CIWD) Policy Makers is a key factor in the process of developing as well as enhancing different perspective in the analysis of policy matters and contributes in the formulation and implementation of management policy. The Board of Directors (BOD) meeting schedules are being utilized. It reveals that the members are devoted in strengthening the agency's mechanism for sustainable water district.

The approved and adopted Board Resolutions derived and defined for the CIWD management is to take necessary implementations in identifying and establishing specific projects to accomplish. The data gathered implies the sequencing and scheduling of work activities to maximize efficient use of available services and assessing job performance of employees.

The report of the Administrative and General Services Division are measures linked to the procedures that leadership commitment, full employee involvement, effective planning and sound implementation strategies are elements of an excellent performance measurement and positive management effort of the City of Ilagan Water District (CIWD).

Recognizing benefits to employees are significant activities to the agency in order to boost employee's morale and attain maximum productivity develops an excellent performance in an organization. This performance should also be focused in the organization's commitment to internal and extend customer satisfaction and develop strong and effective internal team.

The Administrative and General Services Division provided a constructive report as an indicative in the commitment to streamline the personnel management of the City of Ilagan Water District (CIWD).

CIWD received a Plaque of Recognition from the Civil Service Commission (CS) - Region 02 last Dec. 27, 2016 for obtaining Maturity Level 2 on Performance Management & Rewards and Recognitions a result of our determination and invaluable efforts to promote employees' excellence in our agency and effective public service delivery.

**Personnel :**

| Particular         | Male | Female | Total |
|--------------------|------|--------|-------|
| Permanent          | 24   | 8      | 32    |
| Job Order          | 17   | 4      | 21    |
| Emergency Laborers | 15   | -      | 15    |

**Board of Directors Meeting :**

| Particular                    |    |
|-------------------------------|----|
| Regular Meeting               | 23 |
| Special Meeting               | 1  |
| Committee Meeting/Plant Visit | 6  |

**Approved Resolutions :**

| Resolution No.         | Description  |
|------------------------|--|
| 01<br>January 28, 2016 | A Resolution Approving the Adoption of the Performance Based Incentive System in the City of Ilagan Water District (CIWD) Board of Directors, Allocating funds thereof and authorizing its release in accordance with LWUA Memorandum Circular   |
| 02<br>March 10, 2016   | A Resolution conforming and adhering to the implementation of the first tranche compensation and the grant of additional benefits for both civilian and military and uniformed personnels as per executive order No. 201, s. of 2016 from the Office of the President supported by the Guidelines issued by the Department of Budget and Management (DBM) under National Budget Circular (NBC) No.562 s. 2016. |
| 03<br>March 10, 2016   | A Resolution authorizing the City of Ilagan Water District (CIWD) to enroll into eTAX payment in compliance to the mandate of the Bureau of Internal Revenue (BIR) and in the eBilling and Collection System (eBCS), Both programs offered by the Land Bank  |
| 04<br>March 10, 2016   | A Resolution authorizing the City of Ilagan Water District (CIWD) through the General Manager, Jose Mari G. Claravall to disburse the 2014 Performance – Based Incentive   |

|                        |  |
|------------------------|--|
| # 05<br>March 29, 2016 | A Resolution authorizing the City of Ilagan Water District (CIWD) to subscribe to the Internet Banking facility offered by the Land Bank of the Philippines (LBP)  |
| # 06<br>March 29, 2016 | A Resolution authorizing the City of Ilagan Water District (CIWD) through the General Manager, Jose Mari G. Claravall to enter into a memorandum of Agreement (MOA) with the Development Bank of the Philippines (DBP)-Ilagan Branch for the purpose of availing its credit line facility.                                     |
| # 07<br>March 29, 2016 | . A Resolution authorizing the City of Ilagan Water District (CIWD) through the General Manager, Jose Mari G. Claravall to enter into a Memorandum of Agreement (MOA) with the Development Bank of the Philippines (DBP) – Ilagan Branch for the purpose of availing its Salary Loan facility for CIWD Officers and Employees. |
| # 08<br>March 29, 2016 | A Resolution approving the transfer of CIWD General fund under PNB combo current and savings account No's. 19-680-420001-9 and 1968-0420-0027, respectively, to the Development Bank of the Philippines (DBP) and authorizing the same to be the depository bank of the City of Ilagan Water District (CIWD).                  |
| # 09<br>April 21, 2016 | A Resolution Authorizing Jose Mari G. Claravall, General Manager of the City of Ilagan Water District (CIWD) to file the appeal Memorandum to the Commission   |
| # 10<br>May 12, 2016   | A Resolution concurring to the Granting and Release of MID-YEAR Bonus for FY 2016 equivalent to one(1) month basic pay as per Department of Budget and management (DBM) budget circular No.2016 – 3 dated April 28, 2016.  |
| # 11<br>May 12, 2016   | A Resolution Authorizing the City of Ilagan Water District (CIWD) to implement the various charges on registration, reconnection, transfer fee, bulk water supply,   |
| # 12<br>May 24, 2016   | A Resolution authorizing the City of Ilagan Water District (CIWD) to introduce the Rainy Day Promo from June 01 to June 30, 2016.  |
| # 13<br>May 24, 2016   | A Resolution Adhering to the Declaration that May 11 of every year is a Non-working Holiday in commemoration to the Founding Day of the Province of  |
| # 14<br>June 23, 2016  | A Resolution confirming and adhering to the Granting of the 2015 Performance – Based Bonus (PBB) to CIWD Officers and Employees.   |
| # 15<br>June 23, 2016  | A Resolution confirming and Adhering to wage order No. RTWPBII-17 of the Department of Labor and Employment (DOLE) Prescribed minimum wage rate  |

|                           |   |
|---------------------------|---|
| # 16<br>June 23,2016      | A Resolution Authorizing the City of Ilagan Water District (CIWD) to enter into an Agreement with the concerned Personnel and Employees Deduct due Water Bill   |
| # 18<br>July 21,2016      | A Resolution Allocating the Local Government Unit of the City of Ilagan One Hundred Square Meter (100 SQ.M) Land area, a portion of the Five Hundred Square Meters (500 SQ.M) Lot donated by Mr. Eugenio V. Anza in Brgy. Marana 1 <sup>st</sup> , City of Ilagan. Isabela.   |
| # 19<br>August 25,2016    | A Resolution Authorizing the Adoption and Provisional Implementation of the 3 <sup>rd</sup> Step Established Water Rate schedule for the City of Ilagan Water District (CIWD) as presented in the conducted Public Hearing and Consultation held in March 13, 2008 at the MARJ'S Hotel function hall, City of Ilagan, Province of Isabela.  |
| # 20<br>September 08,2016 | A Resolution Authorizing the Provisional release of 2015 Performance Based Incentive (PBI) to the Eligible Appointive members of the City of Ilagan Water District (CIWD) Governing Board.  |
| # 21<br>September 22,2016 | A Resolution Approving and adopting the City of Ilagan Water District (CIWD) 2016 revised operating budget and supplemental funding allocation in the amount of Fifty Four Million Nine Hundred Eight Thousand Five Hundred Thirty Four Pesos (P54,908,534.00) Gross receipts derived from water sales, collection of previous/current year account receivables and various miscellaneous service revenues appropriating sufficient funds to the projected expenditures due for MOOE, Debt services and account payables: Capital improvements (CAPEX); Francise Tax; Committed funds and corporate social responsibilities (CSR) amounting to Fifty Five Million One Hundred Thirty Five Thousand Nine hundred Ninety Three Pesos (55,135,993.00). |
| # 22<br>October 6, 2016   | A resolution authorizing Jose Mari G. Claravall, General Manager of the City Of Ilagan Water District (CIWD) to enter and sign a Memorandum of Agreement (MOA) with the Government Service Insurance System (GSIS) regarding the settlement of unremitted premiums/contributions including interest, penalties and other charges and obligations due reference to the Social Security System (SSS) premium contributions conversion.  |
| # 23<br>October 27, 2016  | A resolution requesting the Local Water Utilities Administration (LWUA) to review, confirm an approve the last two (2) stages/steps of water rate schedule as presented in the public hearing and consultation conducted in March 13, 2008 at the Marj's Hotel Function Hall, City of Ilagan, Province of Isabela.  |

|                          |  |
|--------------------------|--|
| # 24<br>October 27, 2016 | A resolution approving the City of Ilagan Water District (CIWD) five (5) (2011-2015) historical and ten (10) (2016-2025) year cash flow projections as a guide and basic reference in the establishment and review of water rates.   |
| # 25<br>October 27, 2016 | A resolution appealing and requesting a three (3) months moratorium in payment of loan amortization due to the Local Government Unit of the City Of Ilagan, Province of Isabela Purposely to provide necessary emergency funds in the acquisition of power generating sets, restoration and rehabilitation of CIWD pumping facilities, equipments and appurtenances as a result of the devastation caused by Super Typhoon Lawin (with International Code named Haima).  |
| # 26<br>October 27, 2016 | A resolution appealing and requesting a three (3) months moratorium in payment of loan amortization due to the Development Bank of the Philippines (DBP) – City of Ilagan Branch and the Eighty percent (80%) utilization of the City of Ilagan Water District (CIWD) hold-on deposit under DBP account no. 0540-028629-530 purposely to provide necessary emergency funds in the acquisition of power Generating sets, restoration and rehabilitation of CIWD pumping facilities, equipments and appurtenances as a result of the devastation caused by super Typhoon LAWIN with International code name HAIMA.   |
| # 27<br>October 27, 2016 | A resolution appealing and requesting for financial assistance from the Hon. Governor Faustino "BOGIE G. DY III – Provincial Governor of Isabela to the City of Ilagan Water District (CIWD), purposely for the necessary emergency acquisition of power generating sets, restoration and rehabilitation of CIWD pumping facilities, equipments and appurtenances as a result of the devastation caused by Super Typhoon Lawin with iinternational code named Haima.   |
| # 28<br>November 8, 2016 | A resolution approving the amount of Five Million Pesos (P5,000,000.00) Credit limit covered by the credit line facility program of the Development Bank of the Philippines (DBP).   |
| # 29<br>December 8, 2016 | A resolution approving the adoption of the City of Ilagan Water District (CIWD) Calendar Year (CY) 2017 operating budget amounting Seventy Million Five Hundred Fourteen Thousand Seven Hundred Thirty Four Pesos (P70,514,734.00) derived from various collections on water sales, receivables due from current/previous year appears, miscellaneous service revenue and from calamity fund assistance obtained from the Development Bank of the Philippines (DBP) three (3) month loan payment moratorium thereby appropriating sufficient operating funds amounting Seventy Million Three Hundred Ninety Four Thousand Nine Hundred Thirty Pesos (P70,394,930.00) for the various area of expenditures covering M.O.O.E debt services, capital outlay, committed funds and franchise tax. |

|                                     |   |
|-------------------------------------|---|
| <p># 30</p> <p>December 8, 2016</p> | <p>A Resolution Approving the creation of several positions FO CY 2017 as follows: One (1)- Cashier B, SG14; One (1)- Accounting processor A, SG8; One (1)- Utilities/Customer Service Assistant C, SG8; Two (2)-Water/ Sewerage Maintenance Man C, SG4; One (1)-Welder B, SG6; One (1)- Utility Worker A, SG3 and One (1)- Utility Worker B, SG1 as provided and in conformance to the revised Local Water District Manual on categorization, Re-categorization and other related matters (LWD- Macro) by the Department of Budget and Management (DBM) CY 2011.</p> |
| <p># 31</p> <p>December 8, 2016</p> | <p>A Resolution Authorizing the General Manager of the City of Ilagan Water District (CIWD), Jose Mari G. Claravall to enter into a Memorandum of Agreement (MOA) with the various water supply providers in the private sector for the conduct of feasibility study and data gathering in the provision of potable water supply, at no cost to CIWD.</p>   |
| <p># 32</p> <p>December 8, 2016</p> | <p>A Resolution Approving the creation of a Joint Ventures Selection Committee (JVSC) for the City of Ilagan Water District (CIWD) purposely in entering, evaluating, assessing Joint Venture(JV) Agreements between government and private entities.</p>   |



| Name of Participants                           | Particular   | Date               | Place   |
|--|--|--------------------|---|
| Karina Abegail R. Claravall                    | Training Workshop On Water District Website Development    | April 19-28,2016   | Information & Communication Technology Office UP Diliman, Quezon City |
| Norma O. Garrido<br>Maria Josefina B. Gonzalvo | TAX Forum on Registration Efilling & New Regulations       | March 16,2016      | Ilagan,Isabela  |
| Maria Josefina B. Gonzalvo                     | Business Resiliency Seminar                                | April 28,2016      | University of La Salette, Santiago City, Isabela                      |
| Adelina T. Maluyo<br>Norma O. Garrido          | Gender and Development Sensitivity Training Cum-Workshop   | June 16-17,2016    | ISU-Cauayan Campus  |
| Maria Ana M. Toribio<br>Norma O. Garrido       | Seminar on Government Accounting and Auditing Rules (GAAR) | July 26-29, 2016   | LWUA Residence @ Balara,Quezon City                                   |
| Maria Ana M. Toribio<br>Norma O. Garrido       | COA Seminar on Internal Control Structure (ICS)            | Sept.13-16,2016    | COA Building Alibagu, City of Ilagan, Isabela                         |
| Jose T. Galacinao<br>John Kenneth P. Donor     | Water Safety Plan Orientation and Development Workshop     | October 3 – 6,2016 | LWUA Residence, Balara Quezon City                                    |



## Civil Service Commission

### Program to Institutionalize Meritocracy and Excellence in Human Resource Management (PRIME-HRM)

On December 27, 2016, City of Ilagan Water District (CIWD) received a Plaque of Recognition from the Civil Service Commission (CSC) - Region 02 for obtaining Maturity Level 2 on Performance Management and Rewards and Recognition as a result of determination and invaluable efforts to promote employees' excellence and effective public service delivery.

#### GOALS OF THE PROGRAM

It is a mechanism to support the attainment of the Civil Service Commission vision of becoming a Center of Excellence for Human Resource and Organization Development. PRIME-HRM assesses the agency's human resource management competencies, systems, and practices toward HR excellence. PRIME-HRM presents a more progressive system of assessment as it entails greater engagement not just of the human resource management officer (HRMO) but also of the officials and the rank-and-file employees of the agency.

The program also aims to:

- serve as search mechanism for best practices in human resource management;
- serve as a venue for exchange and development of expertise in the area of human resource management between and among government agencies;
- empower agencies in the performance of human resource management functions; and
- promote and reward excellent human resource management practices.

This program covers all national and local government agencies, including government-owned and controlled corporations (GOCCs) with original charter, state universities and colleges (SUCs), as well as regional offices of agencies with HR offices/units. As stated earlier, PRIME-HRM shall involve all HRMOs, heads of agencies, and rank and file employees.

#### RATIONALE OF THE PROGRAM

- It integrates and enhances the Personnel Management Assessment and Assistance Program (PMAAP) and the CSC Agency Accreditation Program (CSCAAP). It is a mechanism to continuously capacitate agencies in the performance of their human resource management, recognize best practices and serve as a venue for exchange and development of expertise.

## Assessment Proper



Assessment with Beverly L. Irites-Bucala, Division Heads and the General Manager of the City of Ilagan Water District

The City of Ilagan Water District (CIWD) was one of the 4 Water D has been awarded last December 27, 2016 at Las Palmas Resort Tuguegarao City for obtaining Maturity Level 2 (Process Defined **PERFORMANCE MANAGEMENT REWARDS & RECOGNITION** Program to Institutionalize Meritocracy & Excellence in Human Management (PRIME-HRM).



The award was received by GM Jose Mari G. Claravall, the Division Manager for Admin. & General Services Division Adelfina T. Makayo and IRMO Designate/Sec. A Paulina C. Elegancia.



The 4 Water District awardees: (from left) Roxas WD – Engr. Juanito S. Saludares, Jr.; Aparri WD – Engr. Ramon F. Gorospe; City of Ilagan WD – Engr. Jose Mari G. Claravall; & Metro Tuguegarao WD – Engr. Miller C. Tangulan.



## Awarding Ceremony



with the inspiring & motivating CSC personalities headed by: CSC Region II Director IV – Atty. Neil S. Agustin, Director II CSC for Field Office Rowina D. Arugay & Asst. Director III CSC RIG-Atty. Athanes Lappay and the other Water District awardees.

## MOTIVATING FACTOR

Recognizing benefits to employees are significant activities to the agency in order to boost employee's morale and attain maximum productivity. The data also implies that CIWD employees were recognized by the management for exemplary work by reward system. The effectiveness of management inferred positive results in achieving feeling of partnership and sense of belonging.

Constant coaching and counseling on career development behavior of employees as well as productivity develops an excellent performance in an organization. This performance should also be focused in the organization's commitment to internal and extend customer satisfaction and develop strong and effective internal team.

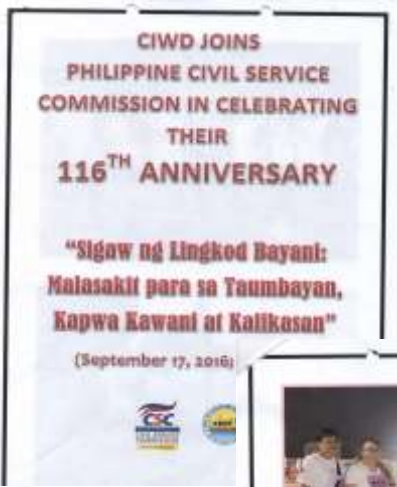
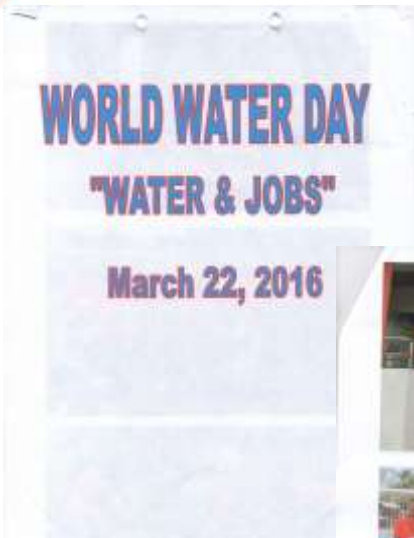


### PERSONNEL ACTIONS:

#### On time submission of monthly reports to CSC Field Office and CSC Regional Office

- Report on Appointment Issued (RAI)
- Report on Accession
- Report on Separation
- Report on DIBAR
- ARTA Card Survey
- Assessment – ARTA WATCH – April 13-15, 2016 by CSC Regional Office Ro2
- Individual Development Plan
- Agency Profile
- Received Plaque of Recognition from Civil Service Commission Regional Office Region 2 for obtaining Maturity Level 2 in the 4 CORE HRM areas namely:
  - Performance Management System
  - Rewards and recognition

December 27, 2016.



**GENERAL SERVICES:**

The Division incurred a total of P 12,273,421.61 for overall expenditures in the whole 2016. Composite of Local and Manila Suppliers broken down as follows:

| Suppliers              | Amount                 | Composite  |
|------------------------|------------------------|--|
| Manila Suppliers       | P 8,725,718.87         | Included in the total amount is allocation for Electro Mechanical Equipment amounting to P1,069,279.00, Other General Plant Equipment P2,592,500.00 and Power Production Equipment P861.392.97. Other purchases made was used in the expansion, new connections, mainline leak, repairs and road widening amounting to P4,202,546.90.              |
| Local Suppliers        | P 3,547,702.74         | Included in the amount is allocation for fuel in the amount of P366,440.40, construction materials for perimeter fence amounting to P93,755.00. Other Purchases pertains to various supplies and materials needed in the assembly, printing, construction and other operating activities conducted by the division in the amount of P3,087,507.34. |
| <b>Total Purchases</b> | <b>P 12,273,421.61</b> |  |

## FINANCE & COMMERCIAL DIVISION

The City of Ilagan Water District's Finance and Commercial Division is now fully upgraded. The Total Utility Billing System-Plus (TUBS +) is the latest software; a cost effective solution that can be customized, fast, flexible, and accurate. It is the most friendly, systematic and efficient method of recording for consumer billings and collections.

Aside from the on-line and field collection of the City of Ilagan Water District, Land Bank of the Philippines (LBP) also accept payments of the water bills of government agencies through the Automatic Debit Account (ADA) and Savemore Bills payment counter in Region 2.

The year 2016 was a milestone for the Finance and Commercial division for it met and exceeded the 2015 performance of billed service connections leading to a significant increase in water sales of Php 7,288,887.00 (14.14% vs LY) and water consumption of 134,938 cubic meters (cu.m.) (12.60% vs LY). The increase was brought about by the different expansion projects in barangays Alibagu, Alinguigan 3rd and Bliss Village (Purok 5 & 6) respectively.

It is manifested that the figures for billed service connection in 2016 increased gradually from the previous years. This indicates an effective advancement and marketing strategies and attributed to the development of service areas. It has also contributed to the development of new service connections and re-connections of service connection.

In the presentation of data for consumption, increasing development is attributed in the growing number of service connections, water supply sufficiency and decreased for water losses.

However, the figure in water sales (in peso) demonstrate increased in billing due to increased number of service connections, water consumptions and usage and by implementing adjustment in power cost and water rates adjustment for the last quarter for the year 2016. It was also significant that marketing strategy set by the division was truly effective and attainable .

The district's collection efficiency on time paid for the month of December 2016 is 73% with a 94% collection efficiency year to date resulting to an increase in the cash flow of the district reciprocating the expansion in the different barangays in the city.

For the year 2016, the district's current ratio was 1.25:1 while 1.28:1 for 2015. This means the district has sufficient fund to defray its financial obligations for the next business cycle.

**CITY OF ILAGAN WATER DISTRICT**  
**STATEMENT OF FINANCIAL POSITION**  
As of December 31, 2016  
(With Comparative Figures for December 31, 2015)

|   | 2016                          | 2015                          |
|---|-------------------------------|-------------------------------|
| <b>ASSETS AND OTHER DEBITS</b>                |                               |                               |
| <b>CURRENT ASSETS</b>                         |                               |                               |
| Cash and Cash Accounts                        | P 1,920,786.21                | 1,720,501.54                  |
| Accounts Receivable - Customers               | 7,178,360.44                  | 6,887,660.30                  |
| Allowance for Bad Debts                       | (282,986.78)                  | (280,439.56)                  |
| Accounts Receivable - Others                  | 187,675.41                    | 139,460.03                    |
| Accounts Receivable - Officers and Employees  | 65,000.00                     | 65,000.00                     |
| Materials and Supplies                        | 1,658,179.69                  | 1,125,030.26                  |
| Accountable Forms, Plates & Sticker Inventory | 53,816.60                     | 56,987.80                     |
| Chemicals and Filtering Supplies Inventory    | 37,368.03                     | 23,200.00                     |
| Total Current Assets                          | <u>10,818,199.60</u>          | <u>9,737,400.37</u>           |
| <b>PROPERTY, PLANT AND EQUIPMENT</b>          |                               |                               |
| Land  | 1,206,400.00                  | 1,206,400.00                  |
| Land Improvements                             | 1,070,381.50                  | 955,813.00                    |
| Accumulated Depreciation-Land Improvements    | (199,398.24)                  | (139,405.43)                  |
| Plant (UPIs)                                  | <u>83,081,699.35</u>          | <u>81,700,794.74</u>          |
| Accumulated Depreciation-Plant (UPIs)         | (39,366,204.45)               | (35,969,637.23)               |
| Buildings                                     | 13,975,458.98                 | 13,975,458.98                 |
| Accumulated Depreciation-Buildings            | (934,235.16)                  | (668,663.52)                  |
| Other Structures                              | 8,627,878.00                  | 8,223,002.20                  |
| Accumulated Depreciation-Other Structures     | (3,491,733.40)                | (3,156,919.54)                |
| Machinery                                     | 42,011,487.21                 | 37,957,715.24                 |
| Accumulated Depreciation-Machinery            | (23,114,884.96)               | (19,985,068.59)               |
| Office Equipment                              | 755,593.50                    | 609,224.00                    |
| Accumulated Depreciation-Office Equipment     | (359,699.21)                  | (240,651.59)                  |
| Communication Equipment                       | 254,150.00                    | 254,150.00                    |
| Accumulated Depreciation-Com. Equipment       | (228,735.00)                  | (228,735.00)                  |
| Other Equipment                               | 822,578.25                    | 822,578.25                    |
| Accumulated Depreciation-Other Equipment      | (621,718.18)                  | (540,766.12)                  |
| Transportation Equipment                      | 1,030,404.28                  | 1,030,404.28                  |
| Accumulated Depreciation-Motor Vehicles       | (734,144.37)                  | (622,889.85)                  |
| Furniture, Fixtures and Books                 | 1,007,906.78                  | 988,000.78                    |
| Accumulated Depreciation-Furniture & Fixtures | (824,037.41)                  | (787,627.45)                  |
| Total Property Plant & Equipment              | <u>83,969,147.47</u>          | <u>85,383,177.15</u>          |
| <b>OTHER ASSETS</b>                           |                               |                               |
| Books   | 1,998.00                      | 1,998.00                      |
| Accumulated Depreciation-Books                | (1,798.20)                    | (1,798.20)                    |
| Total Other Assets                            | <u>199.80</u>                 | <u>199.80</u>                 |
| Construction in Progress                      | 7,082.50                      | -                             |
| Intangible Asset                              | 373,680.00                    | -                             |
| Accumulated Amortization                      | (31,436.40)                   | -                             |
| Total Other Assets                            | <u>349,525.90</u>             | <u>199.80</u>                 |
| <b>TOTAL ASSETS AND OTHER DEBITS</b>          | <b>P <u>95,136,872.97</u></b> | <b>P <u>95,120,777.32</u></b> |

## LIABILITIES, EQUITY AND OTHER CREDIT

### FINANCIAL LIABILITIES

|  |                               |                               |
|--|-------------------------------|-------------------------------|
| <b>Payable (Note 10)</b>                             |                               |                               |
| Accounts Payable                                     | P 7,414,021.70                | P 6,668,803.14                |
| <b>Loans Payable</b>                                 |                               |                               |
| Loans Payable-Domestic-LWUA                          | 5,467,392.00                  | 5,695,200.00                  |
| Loans Payable-Domestic-LGU Ilagan                    | 31,081,004.43                 | 36,346,841.59                 |
| Loans Payable-Domestic-DBP                           | 15,250,000.00                 | 17,250,000.00                 |
| Total  | <u>51,798,396.43</u>          | <u>59,292,041.59</u>          |
| <b>Inter-Agency Payables</b>                         |                               |                               |
| Due to BIR   | 832,160.08                    | 612,001.81                    |
| Due to GSIS  | 149,341.20                    | 141,603.97                    |
| Due to Pag-ibig                                      | 86,799.29                     | 74,093.16                     |
| Due to Philhealth                                    | 8,875.00                      | 9,137.50                      |
| Due to SSS   | 14,740.00                     | 15,950.00                     |
| Due to Government Corporation                        | 121,930.96                    | 69,564.30                     |
| <b>Total Current Liabilities &amp; Other Credits</b> | <u>1,213,846.53</u>           | <u>922,350.74</u>             |
| <b>Trust Liabilities</b>                             |                               |                               |
| Customers Deposit Payable                            | <u>1,402,592.37</u>           | <u>1,141,022.37</u>           |
| <b>Other Payables</b>                                | <u>-</u>                      | <u>749,499.60</u>             |
| <b>TOTAL LIABILITIES</b>                             | <u>61,828,857.03</u>          | <u>68,773,717.44</u>          |
|  |                               |                               |
|  | <b><u>EQUITY</u></b>          |                               |
| Government Equity                                    | 234,000.00                    | 234,000.00                    |
| Contributed Capital                                  | 14,517,549.15                 | 14,517,549.15                 |
| Retained Earnings                                    | 18,458,394.79                 | 11,330,224.91                 |
| Net Income/Loss                                      | 98,072.00                     | 265,285.82                    |
| <b>Total Equity</b>                                  | <u>33,308,015.94</u>          | <u>26,347,059.88</u>          |
| <b>TOTAL LIABILITIES, EQUITY &amp; OTHER CREDITS</b> | P <u><b>95,136,872.97</b></u> | P <u><b>95,120,777.32</b></u> |



CITY OF ILAGAN WATER DISTRICT  
 COMPARATIVE STATEMENT OF INCOME & EXPENSES  
 For the Year Ended December 31, 2016  
 (With Comparative Figures for December 31, 2015)

|   |   | <u>2016</u>          |   | <u>2015</u>          |
|---|---|----------------------|---|----------------------|
| BUSINESS and SERVICE INCOME:              |   |                      |   |                      |
| Service & Other Income (note 11)          | P | 1,584,361.90         | P | 956,938.58           |
| BUSINESS INCOME                           |   |                      |   |                      |
| Water Works System Fees                   |   |                      |   |                      |
| Metered Sales to General Customers        |   | 47,454,442.51        |   | 40,517,857.70        |
| Other Waterwoks System Fees               |   | 3,336,090.10         |   | 4,398,788.55         |
| Interest Income                           |   | 3,816.12             |   | 2,338.23             |
| Fines & Penalties-Business Income         |   | 1,639,589.28         |   | 1,692,010.73         |
| Other Business Income                     |   | 347,064.01           |   | 329,222.90           |
| Total Business & Service Income           | P | <u>54,365,363.92</u> | P | <u>47,897,156.69</u> |
| LESS: OPERATING EXPENSES                  |   |                      |   |                      |
| Personal Services (note 12)               |   |                      |   |                      |
| Salaries & Wages-Regular                  | P | 8,161,120.73         |   | 7,238,624.00         |
| Salaries & Wages-Casual/Contractual       |   | 620,851.82           |   | 622,773.80           |
| Personnel Economic Relief Allowance(PERA) |   | 810,000.00           |   | 750,000.00           |
| Representation Allowance                  |   | 282,000.00           |   | 282,000.00           |
| Transportation Allowance                  |   | 282,000.00           |   | 282,000.00           |
| Clothing and Uniform Allowance            |   | 170,000.00           |   | 155,100.00           |
| Overtime & Night Pay                      |   | 571,540.09           |   | 583,612.47           |
| Midyear/Year-end Bonus                    |   | 1,367,807.00         |   | 585,933.50           |
| Cash gift                                 |   | 169,500.00           |   | 154,000.00           |
| Other Bonuses and Allowances              |   | 886,500.00           |   | 1,117,951.00         |
| Retirement & Life Insurance Premiums      |   | 977,002.78           |   | 864,588.36           |
| PAG-IBIG Contributions                    |   | 40,500.00            |   | 37,300.00            |
| PHILHEALTH Contributions                  |   | 87,687.50            |   | 80,650.00            |
| Employees Compensation Ins. Premiums      |   | 40,609.84            |   | 37,180.00            |
| Gratuity Benefits                         |   | 152,244.47           |   | 0.00                 |
| Terminal Leave Benefits                   |   | 325,000.00           |   | 180,444.20           |
| Other Personnel Benefits                  |   | 423,870.27           |   | 389,673.17           |
| Total Personal Services                   | P | <u>15,368,234.50</u> | P | <u>13,361,830.50</u> |

|   |   |                      |                      |
|---|---|----------------------|----------------------|
| Maintenance & Other Operating Expenses (note 13 & 15) |   |                      |                      |
| Travel Expense-Local                                  | P | 381,977.00           | 342,788.29           |
| Training Expense                                      |   | 97,300.00            | 48,600.00            |
| Office Supplies Expense                               |   | 105,861.75           | 85,656.25            |
| Accountable Forms Expense                             |   | 119,971.20           | 103,599.53           |
| Medical, Dental & Laboratory Supplies Expense         |   | 50.00                | 5,767.10             |
| Fuel, oil & Lubricants Expenses                       |   | 469,681.55           | 433,496.76           |
| Chemicals & Filtering Supplies Expense                |   | 295,921.97           | 354,885.00           |
| Semi-Expendable Machinery & Equipment Exp.            |   | 51,596.75            | -                    |
| Semi-Expendable Furniture & Fixture, Books Exp.       |   | 17,140.00            | -                    |
| Other Supplies & Materials Expense                    |   | 20,699.75            | 22,871.10            |
| Water Expenses  |   | 166,093.17           | 79,744.86            |
| Electricity Expenses                                  |   | 8,598,671.94         | 7,421,424.56         |
| Postage & Courier Services                            |   | 7,998.00             | 5,534.00             |
| Telephone Expenses-Lanline                            |   | 20,238.19            | 24,542.49            |
| Telephone Expenses-Mobile                             |   | 147,854.75           | 147,000.52           |
| Internet Subscription Expenses                        |   | 78,050.67            | 40,227.23            |
| Cable Satellite, Tel & Radio Expenses                 |   | 7,490.00             | 50.00                |
| Survey Expenses                                       |   | 12,600.00            | -                    |
| Research, Exploration & Development Expense           |   | -                    | -                    |
| General Transmission & Distribution Expense           | P | 2,058,251.20         | 1,705,053.07         |
| Extraordinary Expenses                                |   | 71,777.00            | 73,180.00            |
| GAD   |   | 103,296.06           | 187,620.98           |
| Legal Services  |   | 29,308.00            | 15,214.00            |
| Auditing Services                                     |   | 24,858.22            | 30,000.00            |
| Security Services                                     |   | 207,800.00           | 195,600.00           |
| Other General Services                                |   | 17,208.00            | 5,720.00             |
| Taxes, Duties and Licenses                            |   | 537,915.42           | 558,822.33           |
| Fidelity Bond Premiums                                |   | 16,125.00            | 16,125.00            |
| Insurance Expenses                                    |   | 112,664.86           | 20,869.31            |
| Advertising, Promotional & Marketing Expenses         |   | 45,950.00            | 28,440.00            |
| Printing & Publication Expenses                       |   | 14,418.00            | 2,040.00             |
| Representation Expenses                               |   | 34,232.20            | 22,085.28            |
| Rent/Lease Expenses                                   |   | 1,450,867.82         | 1,778,663.15         |
| Membership Dues & Contribution to Organization        |   | 4,658.00             | 30,301.00            |
| Donation  |   | 1,429,061.28         | 2,306,646.61         |
| Directors and Committee Members Fee                   |   | 888,106.65           | 631,360.00           |
| Other Maintenance & Operating Expenses                |   | 76,396.08            | 1,868.26             |
| Depreciation-Land Improvements                        |   | 59,992.81            | 58,110.72            |
| Depreciation -Infrastructure Assets                   |   | 3,396,567.22         | 3,958,302.18         |
| Depreciation-Buildings and Other Structures           |   | 600,385.50           | 595,771.39           |
| Depreciation-Machinery & Equipment                    |   | 3,329,816.05         | 2,639,736.46         |
| Depreciation-Land Transport Equipment                 |   | 111,254.52           | 168,038.48           |
| Depreciation-Furniture, Fixture & Books               |   | 36,409.96            | 144,587.59           |
| Amortization-Intangible Assets                        |   | 31,436.40            | -                    |
| Impairment Loss-Loans & Receivables                   |   | 2,547.22             | -                    |
| Total Maintenance & Other Operating Expenses          |   | <u>25,290,500.16</u> | <u>24,290,343.50</u> |
| Total Operation Expenses                              | P | <u>40,658,734.66</u> | <u>37,652,174.00</u> |

| REPAIRS AND MAINTENANCE EXPENSES   |   |                      |                      |
|--|---|----------------------|----------------------|
| Repairs and Maintenance- Land Improvements                                   | P | 192,365.61           | 130,255.92           |
| Repairs and Maintenance- Infrastructure Assets                               |   | 2,857,041.82         | 1,856,835.42         |
| Repairs and Maintenance-Bldgs. & Other Strucutre                             |   | 160,128.01           | 159,167.73           |
| Repairs and Maintenance-Machinery  |   | 439,733.65           | 426,124.55           |
| Repairs and Maintenance- Transportation Equipment                            |   | 139,649.00           | 74,260.00            |
| Repairs and Maintenance-Furniture & Fixture                                  |   | 5,963.80             | 129.75               |
| Total Maintenance Expenses   |   | <u>3,794,881.89</u>  | <u>2,646,773.37</u>  |
| Total Operation & Maintenance Expenses                                       |   | <u>44,453,616.55</u> | <u>40,298,947.37</u> |
| Utility Operating Income/Net Income Before Interest<br>and Financial Charges |   | <u>9,911,747.37</u>  | <u>7,598,209.32</u>  |
| Financial Expenses (note 14)   |   |                      |                      |
| Interest Expenses  |   | 2,923,203.88         | 1,545,232.20         |
| Bank charges   |   | 1,878.15             | 1,200.00             |
| Other Financial Charges  |   | 27,409.28            | 10,000.00            |
| *** Net Income for the Period  | P | <u>6,959,256.06</u>  | <u>6,041,777.12</u>  |
| ***Obligated to CAPEX  |   |                      |                      |

Based from the above data, there is an extremely large increase in the total operating expenses of the City of Ilagan Water District amounting to P 3,453,148.64 which most of it were derived from the devastation of Typhoon Lawin that hits the city on October 19, 2016. The top highest factors that affect the operating expenses were noted as follows: Electricity Expenses, General Transmission and Distribution Expense and Repair and Maintenance - Infrastructure Assets with an increased value in the amount of P 1,177,247.38, P 353,198.13 & 1,000,206.40 respectively. The aforementioned were used for the repair, restoration and replacement of damaged pumping stations and distribution lines. Salaries and Wages for Regular Employees also showed an increase of P 922,496.73. This is in compliance with the National Budget Circular (NBC) # 562 issued on February 24, 2016 by the Department of Budget and Management RE: Implementation of the First Tranche Compensation Adjustment for Civilian Personnel, and Military and Uniformed Personnel in the National Government.

**COMPARATIVE DATA OF TOP HIGHEST FACTORS THAT AFFECT OPERATING EXPENSES WITH VARIANCES**

| Description                                    | 2016                        | 2015                          | Variances                    |
|--|-----------------------------|-------------------------------|------------------------------|
| Salaries and Wages                             | P 8,161,120.73              | P 7,238,624.00                | P 922,496.73                 |
| Electricity Expenses                           | 8,598,671.94                | 7,421,424.56                  | 1,177,247.38                 |
| General Transmission & distribution expense    | 2,058,251.20                | 1,705,053.07                  | 353,198.13                   |
| Repair and Maintenance - Infrastructure Assets | 2,857,041.82                | 1,856,835.42                  | 1,000,206.40                 |
| <b>TOTAL P</b>                                 | <b><u>21,675,085.69</u></b> | <b><u>P 18,221,937.05</u></b> | <b><u>P 3,453,148.64</u></b> |

CITY OF ILAGAN WATER DISTRICT  
 STATEMENT OF CHANGES IN EQUITY  
 As of December 31, 2016  
 (With Corresponding Figures for 2015)

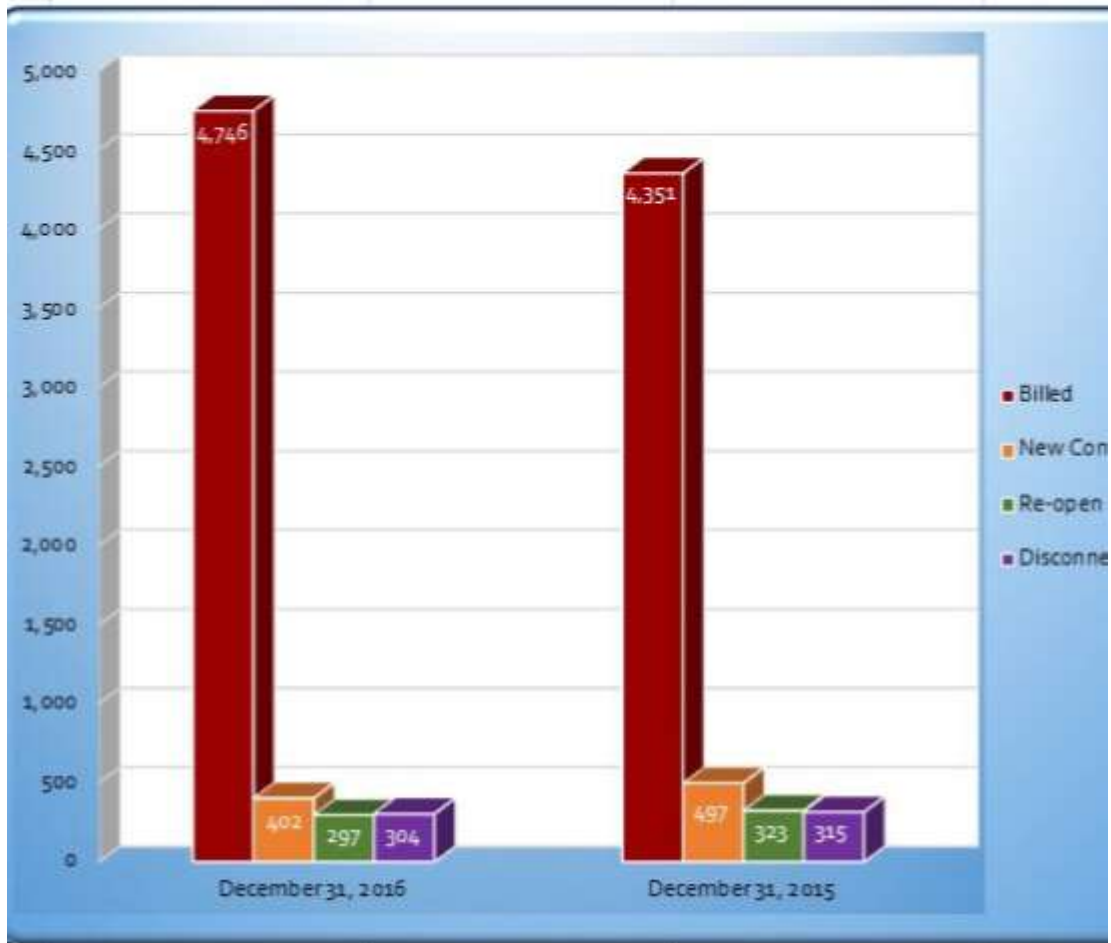
|  | <u>2016</u>                   | <u>2015</u>                   |
|--|-------------------------------|-------------------------------|
| Government equity, beginning of period           | P 234,000.00                  | P 234,000.00                  |
| Additions(deductions)                            |                               |                               |
| Government Equity, End of period                 | <u>234,000.00</u>             | <u>234,000.00</u>             |
| <br>   |                               |                               |
| Contributed Capital, Beginning of period         | 14,517,549.15                 | 14,517,549.15                 |
| Additions(deductions)                            |                               | -                             |
| Contributed Capital, End of period               | <u>14,517,549.15</u>          | <u>14,517,549.15</u>          |
| <br>   |                               |                               |
| Retained earnings (deficit), beginning of period | 11,595,510.73                 | 5,499,724.29                  |
| Prior Period Adjustment to Retained Earnings     | 1,700.00                      | 54,009.32                     |
| Additions(Deductions)Net Income/(Loss)           | <u>6,959,256.06</u>           | <u>6,041,777.12</u>           |
| Retained Earnings (deficit), End of period       | <u>18,556,466.79</u>          | <u>11,595,510.73</u>          |
| <br>   |                               |                               |
| Total Equity                                     | P <u><b>33,308,015.94</b></u> | P <u><b>26,347,059.88</b></u> |

**CITY OF ILAGAN WATER DISTRICT**  
**STATEMENT OF CASH FLOW**  
For the Year Ended December 31, 2016  
(With Comparative Figures for 2015)

|   |          | <u>2016</u>                   |          | <u>2015</u>                   |
|---|----------|-------------------------------|----------|-------------------------------|
| <b>CASH FLOWS FROM OPERATING ACTIVITIES</b>                             |          |                               |          |                               |
| Cash Inflows  |          |                               |          |                               |
| Collection of Water Bills   | P        | 48,816,611.50                 | P        | 43,032,047.39                 |
| Collection of Meter Maintenance Fee                                     |          | 524,875.00                    |          | -                             |
| Collection of Other Water Revenues                                      |          | 325,067.83                    |          | 264,133.93                    |
| Collection of Miscellaneous Service Revenue                             |          | 1,034,876.90                  |          | 955,138.58                    |
| Collection of Customers deposit   |          | 262,795.00                    |          | 252,300.00                    |
| Sales of Materials  |          | 1,223,428.22                  |          | 1,218,263.72                  |
| Refund of Overpayment of Expenses & Cash Advances                       |          | 22,403.69                     |          | 24,927.70                     |
| Grants and Donations  |          | -                             |          | 724,472.20                    |
| Interest Income   |          | 3,816.12                      |          | 2,338.23                      |
| Others  |          | 1,700.00                      |          | 118,374.06                    |
| <b>Total Cash Inflows</b>   | <b>P</b> | <b><u>52,215,574.26</u></b>   |          | <b><u>46,591,995.81</u></b>   |
| Cash Outflows :   |          |                               |          |                               |
| Payment of Operating Expenses   |          |                               |          |                               |
| Payroll   | P        | 4,757,339.55                  |          | 4,722,300.54                  |
| Fuel/Power for Pumping  |          | 7,939,885.75                  |          | 6,428,479.62                  |
| Chemicals   |          | 113,077.48                    |          | 118,485.00                    |
| Other Operations & Maintenance Expenses                                 |          | 12,883,648.86                 |          | 10,512,173.89                 |
| Payment of Payables   |          | 6,915,733.88                  |          | 4,975,919.57                  |
| Remittance of GSIS/PAG-IBIG/Withholding Taxes                           |          | 5,976,977.62                  |          | 4,727,886.99                  |
| Advances to Officers/employees/Other Receivables                        |          | 1,014,202.40                  |          | 855,762.68                    |
| Inventory   |          | 177,110.10                    |          | 202,980.88                    |
| <b>Total Cash Outflows</b>  |          | <b><u>39,777,975.64</u></b>   |          | <b><u>32,543,989.17</u></b>   |
| <b>Total Cash Provided(used) by Operating Activities</b>                | <b>P</b> | <b><u>12,437,598.62</u></b>   |          | <b><u>14,048,006.64</u></b>   |
| Cash Flows from Investing Activities                                    |          |                               |          |                               |
| Cash Inflows:   |          |                               |          |                               |
| Proceeds from Short-Term Investments                                    |          | -                             |          | -                             |
| <b>Total Cash Inflow</b>  |          | <b>-</b>                      |          | <b>-</b>                      |
| Cash Outflows:  |          |                               |          |                               |
| Purchase/Construction of  |          |                               |          |                               |
| Land  | P        | -                             |          | 300,000.00                    |
| Land Improvements-Watershed Ecopark                                     |          | 55,246.82                     |          | -                             |
| Plant   |          | 1,189,579.95                  |          | 1,307,284.20                  |
| Buildings & Other Structure   |          | 206,904.42                    |          | 332,907.10                    |
| Office Equipment  |          | 60,334.25                     |          | 46,668.40                     |
| Other Machinery & Equipment   |          | 158,620.26                    |          | 118,293.42                    |
| Furniture & Fixtures  |          | 31,491.78                     |          | -                             |
| Intangible Assets-TUBS Plus   |          | 89,000.00                     |          | -                             |
| <b>Total Cash Outflows</b>  |          | <b><u>1,791,177.48</u></b>    |          | <b><u>2,105,153.12</u></b>    |
| <b>Total Cash Provided(used) by Investing Activities</b>                | <b>P</b> | <b><u>(1,791,177.48)</u></b>  |          | <b><u>(2,105,153.12)</u></b>  |
| Cash Flows from Financing Activities                                    |          |                               |          |                               |
| Cash Inflows:   |          |                               |          |                               |
| Proceeds from Borrowings(Loans Payable)                                 |          | -                             |          | -                             |
| Cash Outflows:  |          |                               |          |                               |
| Cash Pymts.of int. on loans pay. & other fin. Charges                   | P        | 2,573,203.88                  |          | 1,865,695.20                  |
| Payment of financial charges & Commitment Fees                          |          | 29,287.43                     |          | 1,200.00                      |
| Payment of loan amortization  |          | 7,843,645.16                  |          | 9,148,804.06                  |
| <b>Total Cash Outflows</b>  |          | <b><u>10,446,136.47</u></b>   |          | <b><u>11,015,699.26</u></b>   |
| <b>Total Cash Provided(used) by Financing Activities</b>                |          | <b><u>(10,446,136.47)</u></b> |          | <b><u>(11,015,699.26)</u></b> |
| <b>Cash Provided by Operating, Investing &amp; Financing Activities</b> |          | <b><u>200,284.67</u></b>      |          | <b><u>927,154.26</u></b>      |
| Add: Cash and Cash Equivalents, Beginning                               |          | 1,720,501.54                  |          | 793,347.28                    |
| <b>Cash and Cash Equivalents, End</b>                                   | <b>P</b> | <b><u>1,920,786.21</u></b>    | <b>P</b> | <b><u>1,720,501.54</u></b>    |

CITY OF ILAGAN WATER DISTRICT  
**Consolidated Statement of Service Connection**  
 For the Year End December 31, 2016 & December 31, 2015

| SERVICE CONNECTION | December 31, 2016 | December 31, 2015 |
|--------------------|-------------------|-------------------|
| Billed             | 4,746             | 4,351             |
| New Connection     | 402               | 497               |
| Re-open            | 297               | 323               |
| Disconnection      | 304               | 315               |



CITY OF ILAGAN WATER DISTRICT  
**Consolidated Statement of Billing**  
 For the Year End December 31, 2016 & December 31, 2015

| PARTICULARS        | December 31, 2016 | December 31, 2015 | Variances    |
|--------------------|-------------------|-------------------|--------------|
| Consumption (cu.m) | 1,070,466         | 935,528           | 134,938      |
| Water Sales (peso) | 51,524,949.00     | 44,236,062.00     | 7,288,887.00 |



CITY OF ILAGAN WATER DISTRICT  
 CCC 090  
**BARANGAY AND NUMBER OF CONSUMERS**  
 For the year 2015 & 2016

| <b>Name of Barangay Served</b> | <b>2016</b>  | <b>2015</b>  | <b>Variance</b> |
|--------------------------------|--------------|--------------|-----------------|
| 1. Calamagui 1st               | 345          | 315          | 30              |
| 2. Calamagui 2nd               | 454          | 432          | 22              |
| 3. Guinatan                    | 212          | 194          | 18              |
| 4. Sto. Tomas                  | 24           | 23           | 1               |
| 5. Osmeña                      | 270          | 262          | 8               |
| 6. San Vicente                 | 326          | 311          | 15              |
| 7. Baliagatan                  | 478          | 444          | 34              |
| 8. Camunatan                   | 48           | 40           | 8               |
| 9. Sta. Barbara                | 178          | 176          | 2               |
| 10. Centro                     | 177          | 172          | 5               |
| 11. Baculod                    | 442          | 416          | 26              |
| 12. Bagumbayan                 | 183          | 161          | 22              |
| 13. Bliss                      | 310          | 283          | 27              |
| 14. San Felipe                 | 148          | 138          | 10              |
| 15. Alibagu                    | 621          | 569          | 52              |
| 16. Alinguigan 2nd             | 143          | 112          | 31              |
| 17. Alinguigan 3rd             | 33           | 25           | 8               |
| 18. Marana 1st                 | 118          | 89           | 29              |
| 19. Marana 2nd                 | 33           | 26           | 7               |
| 20. Marana 3rd                 | 8            | 8            | -               |
| 21. San Andres                 | 53           | 39           | 14              |
| 22. San Isidro                 | 47           | 43           | 4               |
| 23. Tangcul                    | 52           | 33           | 19              |
| 24. Sipay                      | 43           | 40           | 3               |
| <b>TOTAL</b>                   | <b>4,746</b> | <b>4,351</b> | <b>395</b>      |



FORM A

PERFORMANCE TARGETS\*

\*Note: Same form to be used for submitting 2016 Accomplishments

LWD NAME: CITY OF ILAGAN WATER DISTRICT (CCG090)




| MFOs AND PERFORMANCE INDICATORS       | FY 2015 ACTUAL ACCOMPLISHMENT (2)  |  | FY 2016 TARGET (3)             |   | RESPONSIBLE OFFICE/UNIT (4)                         | FY 2016 ACTUAL ACCOMPLISHMENT (5) |   | ACCOMPLISHMENT RATE (%)                             | REMARKS (6) |           |
|---------------------------------------|--|--|--------------------------------|---|---|-----------------------------------|---|---|-------------|-----------|
|                                       |  |  |                                |   |   |                                   |   |   |             |           |
| A. Water Facility Service Management  |  |  |                                |   |   |                                   |   |   |             |           |
| 2016 Budget:                          |  |  |                                |   |   |                                   |   |   |             |           |
| PI 1 (Quantity) Access to             | Percentage of barangay with access to potable water against the total number of barangays within the | 24   | 26.37%                         | 26 Barangays<br>91 Barangays  | =28.57%   | Operation Technical               | 24  | 100-26.37   | 92%         | Qualified |
| PI 2 (Quality) Reliability of service | Percentage of household connections receiving 24/7 supply of water                                   | 4,803  | =87.82%                        | 4,967   | =83.26  | Operation Technical               | 5,167   | =86.60%   | 104%        | Qualified |
| PI 3 (Timeliness Adequacy)            | Source Capacity of LWD to meet demands for 24/7 supply of water                                      | 4,803 s.c. x 5 x 120 lpcd x 365 days/1,000 liters x 120% x 276 cu.m x 20 hrs x 365 days=2,014,800 cu.m./year | 2,014,800 ÷1,640,896.92= 1.23% | 4,967 s.c. x 5 x 120 lpcd x 365 days/1,000 liters =1,087,773 cu.m./year | 260 cu.m. x 24 hrs x 365 days= 2,277,600 cu.m./year | Operation & Technical             | 5,167 s.c. x 5 x 120 lpcd x 365 days/1,000 liters =1,131,573 cu.m./year | 260 cu.m. x 24 hrs x 365 days= 2,277,600 cu.m./year | 96%         | Qualified |

B. Water Distribution Service Management

2016 Budget:

|   |  |   |                 |                 |                       |                 |      |           |
|---|--|---|-----------------|-----------------|-----------------------|-----------------|------|-----------|
| PI 1 (Quantity)                                   | Percentage of unbilled water production  | 1,239,653-1,056,037=183,616/1239653= 14.81% | 20%             | 20%             | Operation & Technical | 20%             | 100% | Qualified |
| PI 2 (Quality) Potability                         | Average deviation from PNSDW (chlorine residual requirements) from January 1 to December 31.   | 0.313ppm                                    | 0.306ppm        | 0.306ppm        | Operation & Technical | 0.320ppm        | 100% | Qualified |
| PI 3 (Timeliness) Adequacy/Reliability of service | Average response time to restore service when there are interruptions based on the Citizen's Charter of LWD proposed for approval by CSC | within 24 hours                             | within 24 hours | within 24 hours | Operation & Technical | within 24 hours | 100% | Qualified |

| MFOs AND PERFORMANCE INDICATORS                    | FY 2015 ACTUAL ACCOMPLISHMENT (2)   | FY 2016 TARGET (3)   | RESPONSIBLE OFFICE/UNIT (4)   | FY 2016 ACUTUAL ACCOMPLISHMENT (5)  | ACCOMPLISHMENT RATE (%) | REMARKS (6) |
|--|---|--|---|---|-------------------------|-------------|
| Support to Operation (ST O)                        |   |  |   |   |                         |             |
| 2016 Budget:                                       |   |  |   |   |                         |             |
| PI 1   | Staff Productivity Index<br><br>The Staff Productivity Index of one (1) position for every one hundred (100) service connections for Category D, and one hundred twenty (120) service connections for categories A to C, shall be strictly observed in the determination of the total number of positions in an LWD - in PI 3 | $\frac{4803}{34}$ 1:141  | $\frac{4,967}{37}$ 134:1  | Finance and Commercial Administration<br><br>$\frac{5,167}{37}$ = 140:1   | 104%                    | Eligible    |
| PI 2   | Reasonableness/Affordability of water rates to consumers with access connections.<br>Water rate for the 1st cu.m. must not exceed 5% of the average income of LIG.  | P255.00 x 26 days = P6,630.00<br>P 320.00 minimum + P 6,630.00 = 4.83% | P255.00 x 26 days = P6,630.00<br>P320.00 MC = 4.83% LIG               | Finance and Commercial Administration<br><br>P300.00 x 26 days = P7,800.00<br>P 320.00 MC = 4.20% LIG               | 118%                    | Eligible    |
| PI 3   | Customer Satisfaction<br>Percentage of Customer Complaints acted upon against received  | 100%   | 98%   | Commercial/Operational Technical<br><br>100%  | 102%                    | Eligible    |
| General Administration and Support Services (GASS) |   |  |   |   |                         |             |
| 2016 Budget:                                       |   |  |   |   |                         |             |
| PI 1   | Financial viability & sustainability of LWD operations (Collection Ratio, Operating Ratio, Current Ratio)   | Current Ratio- 1.17: 1<br>Collection Ratio-86%<br>Operating Ratio -81% | Current Ratio- 1.2: 1<br>Collection Ratio-85%<br>Operating Ratio -85% | Finance and Commercial Administration<br><br>Current Ratio- 1.25: 1<br>Collection Ratio-87%<br>Operating Ratio -81% | 104%<br>98%<br>95%      | Eligible    |

| MFOs AND PERFORMANCE INDICATORS  | FY 2015 ACTUAL ACCOMPLISHMENT (2)  | FY 2016 TARGET (3)      | RESPONSIBLE OFFICE/UNIT (4)   | FY 2016 ACUTUAL ACCOMPLISHMENT (5)   | ACCOMPLISHMENT RATE (%) | REMARKS (6) |
|--|--|-------------------------|---|--|-------------------------|-------------|
| PI 2<br>a. Compliance with COA reporting requirements in accordance with content and period of submission  | 100%   | 100%                    | Finance and Commercial Division   | 100%   | 100%                    | Eligible    |
| Submission of five financial reports i.e. Balance Sheet, Statement of Income and expenses, statement of Cash Flows, Statement of Government Equity, Notes to Financial Statement, Report on Ageing of Cash Advance | 100%   | 100%                    | Finance and Commercial Division   | 100%   | 100%                    | Eligible    |
| b. Compliance with LMUA reporting requirements in accordance to content and period of submission   | 100%   | 100%                    | Finance and Commercial Division   | 100%   | 100%                    | Eligible    |
| I.e. Monthly Data Sheet, Balance Sheet, Income Statement, Cashflow Statement, Microbiological/Physical/Chemical/Chlorine residual report, Approved WD budget with Annual Procurement plan, Annual report           | 100%   | 100%                    | Finance and Commercial Division   | 100%   | 100%                    | Eligible    |
| Recommending Approval:   | <br><b>ADRIANA T. MALUYO</b><br>Division Manager - Admin & Services | Jan. 11, 2017<br>(Date) | Prepared by: <br><b>MARIA ANA M. TORIBIO</b><br>Div. Mgr. - Finance & Commercial | Approved by: <br><b>JOSE MARI G. CLARAVALL</b><br>General Manager | Jan. 11, 2017<br>(Date) |             |

## TECHNICAL AND OPERATIONS DIVISION

City of Ilagan Water District had complied with the standards as set by the National Government in pursuant to Presidential Decree 198 and is on its continuing services to render high quality performance to achieve customer satisfaction.

The Operations and Technical Division reinforced competent and high performance in delegating responsibilities and closely monitors concern in accomplishing the task within the unit. They were able to execute planned schedules on a timely basis. Laboratory examinations had been conducted as part of the regular monitoring of water quality in terms of bacteriological, chemical and physical parameters including uniform testing procedures. Series of improvements, installations and restorations had undertaken to ensure continuing services to the public.

The Operations and Technical Division significantly responded in accordance with the Citizens Charter as mandated by the national government. They were able to install new service, re-open and transfer connections to wit:

| Particulars                      | 'No. obtained |      | Variance |
|----------------------------------|---------------|------|----------|
|                                  | 2016          | 2015 |          |
| New Service connection Installed | 427           | 269  | 158      |
| Re-open                          | 278           | 164  | 114      |
| Transfer Connection              | 3             | 11   | -8       |

Compared with last year (2015), it shows a positive variances of 158 & 114 for new connections and re-opening respectively which implies that the division is working hard in fast tracking service request to boost up said categories.

Aside from these, the division was able to check thoroughly the leakages and repaired mainline and service connections which helps in enhancing the services provided with the consumers and lessen the issues pertaining to inadequate supply of water from various locations. The division came up with in-depth procedure on how to locate leakages which will help in preventing losses out from it.

| Particulars           | No. obtained |      | Variance |
|-----------------------|--------------|------|----------|
|                       | 2016         | 2015 |          |
| Leak Repairs          |              |      |          |
| > Mainline            | 485          | 417  | 68       |
| > Service Connection  | 1,124        | 704  | 420      |
| Low Pressure/No water | 236          | 198  | 38       |
| Dirty Water           | 256          | 130  | 126      |

Accordingly, the division also conducted series of inspection of water meter to avoid fast moving, clogged meter, inaccurate water meter and to ensure accurate reading of meters. This shows that thorough inspection of meters have been conducted by the division in order to avoid unnecessary losses on part of the CIWD. Accurate reading will ensure correct income derived from the consumers actual usages.

| Particulars                   | No. obtained |      | Variance |
|-------------------------------|--------------|------|----------|
|                               | 2016         | 2015 |          |
| Meter Maintenance             | 88           | 0    | 88       |
| Relocate Meter                | 69           | 74   | -5       |
| Inspect Meter                 | 532          | 410  | 122      |
| Stuck-up meter/meter cleaning | 113          | 18   | 95       |
| Defective meter               | 1            | 0    | 1        |
| Change meter                  | 43           | 3    | 40       |
| Meter Calibration             | 6            | 0    | 6        |

Significantly, based from the figures below, the division was also able to discover illegal connections from previous years/months as conducted by un-authorized persons. This shows that the division is focusing on illegal connections and helps the water district to regain the losses incurred for previous years/months.

| Particulars        | `No. obtained |      | Variance |
|--------------------|---------------|------|----------|
|                    | 2016          | 2015 |          |
| Illegal Connection | 7             | 6    | 1        |



Lastly, the Operations and Technical Division will continue leading the way in providing a clean and safe potable water through professionalism and dedicated service. Restoration, installation and relocation of main lines and service connections due to road widening, compaction of trench, backfilling of potholes, installation of valve box and cap of gate valve, repair of defective gate valve, Installation of additional hangers, embedding of main line, monitoring of drainage construction, and interconnection of main line expansion were the activities conducted by the division for the year 2016, proving our commitment in realizing the vision and mission of the City of Ilagan Water District.

CITY OF ILAGAN WATER DISTRICT

CCC 090

OPERATIONS & TECHNICAL DIVISION

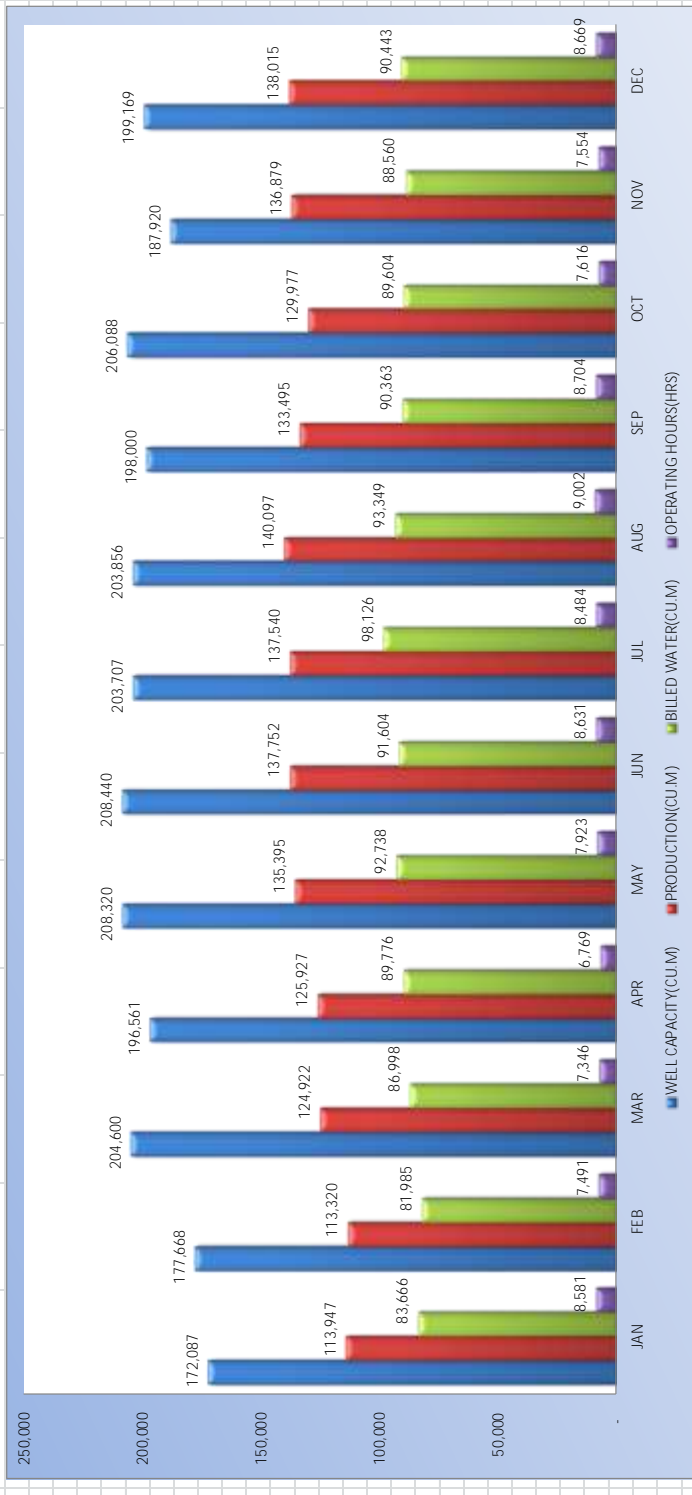
PRODUCTION AND WATER QUALITY DEPARTMENT

ANNUAL ASSESSMENT REPORT & GRAPHICAL REPRESENTATION

WELL CAPACITY-PRODUCTION-BILLED WATER-OPERATING HOURS

JANUARY-DECEMBER 2016

| PARTICULARS          | JAN     | FEB     | MAR     | APR     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| WELL CAPACITY(CU.M)  | 172,087 | 177,668 | 204,600 | 196,561 | 208,320 | 208,440 | 203,707 | 203,856 | 198,000 | 206,088 | 187,920 | 199,169 |
| PRODUCTION(CU.M)     | 113,947 | 113,320 | 124,922 | 125,927 | 135,395 | 137,752 | 137,540 | 140,097 | 133,495 | 129,977 | 136,879 | 138,015 |
| BILLED WATER(CU.M)   | 83,666  | 81,985  | 86,998  | 89,776  | 92,738  | 91,604  | 98,126  | 93,349  | 90,363  | 89,604  | 88,560  | 90,443  |
| OPERATING HOURS(HRS) | 8,581   | 7,491   | 7,346   | 6,769   | 7,923   | 8,631   | 8,484   | 9,002   | 8,704   | 7,616   | 7,554   | 8,669   |



CITY OF ILAGAN WATER DISTRICT

CCC 090

OPERATIONS & TECHNICAL DIVISION

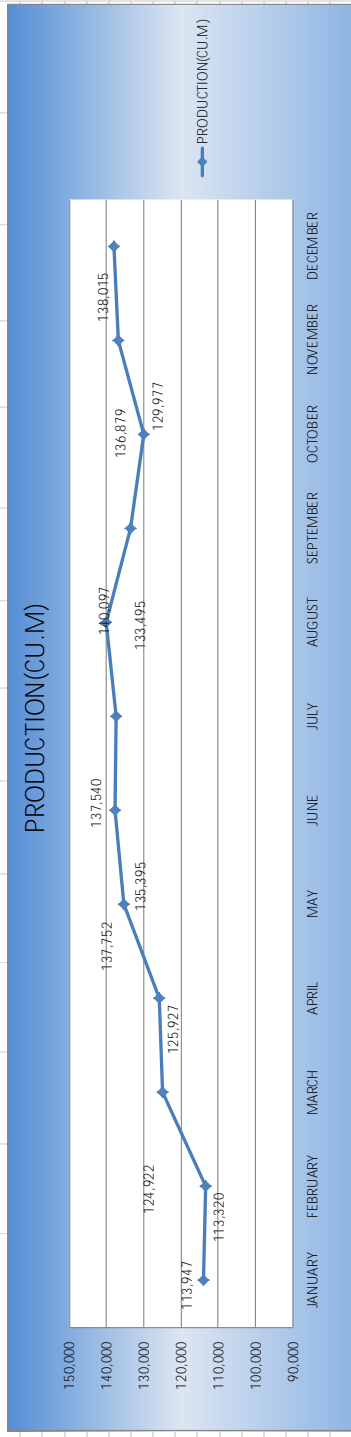
PRODUCTION AND WATER QUALITY DEPARTMENT

ANNUAL ASSESSMENT REPORT & GRAPHICAL REPRESENTATION

PRODUCTION-MOTOR/ENGINE HOURS-POWER/FUEL USED-POWER/FUEL COST

JANUARY-DECEMBER 2016

| PARTICULARS               | JANUARY | FEBRUARY | MARCH   | APRIL   | MAY     | JUNE    | JULY    | AUGUST  | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | TOTAL     |
|---------------------------|---------|----------|---------|---------|---------|---------|---------|---------|-----------|---------|----------|----------|-----------|
| PRODUCTION(CU.M)          | 113,947 | 113,320  | 124,922 | 125,927 | 135,395 | 137,540 | 137,752 | 140,097 | 133,495   | 129,977 | 136,879  | 138,015  | 1,567,266 |
| MOTOR HOURS(HRS)          | 8,540   | 7,489    | 7,345   | 6,743   | 7,782   | 8,576   | 8,428   | 8,987   | 8,597     | 6,658   | 7,586    | 8,663    | 95,394    |
| ENGINE HOURS(HRS)         | 41      | 2        | 1       | 26      | 141     | 28      | 36      | 17      | 82        | 799     | 308      | 11       | 1,491     |
| POWER USED(KWHR)          | 67,393  | 68,283   | 65,799  | 68,708  | 75,346  | 82,915  | 79,697  | 80,902  | 83,295    | 35,277  | 78,820   | 83,857   | 870,292   |
| FUEL USED(LITERS)         | 407     | 20       | 8       | 172     | 862     | 264     | 325     | 138     | 652       | 4,995   | 1,854    | 71       | 9,773     |
| POWER COST(PESO)          | 743,027 | 611,037  | 598,922 | 625,025 | 664,076 | 670,217 | 689,980 | 656,841 | 762,302   | 318,749 | 728,853  | 849,070  | 7,918,098 |
| FUEL COST(PESO)           | 10,175  | 500      | 188     | 4,287   | 22,412  | 6,851   | 8,445   | 3,588   | 16,952    | 139,860 | 51,912   | 2,156    | 267,326   |
| TOTAL OPERATING COST(PES) | 753,202 | 611,537  | 599,110 | 629,312 | 686,488 | 677,068 | 698,425 | 660,429 | 779,254   | 458,609 | 780,765  | 851,226  | 8,185,424 |

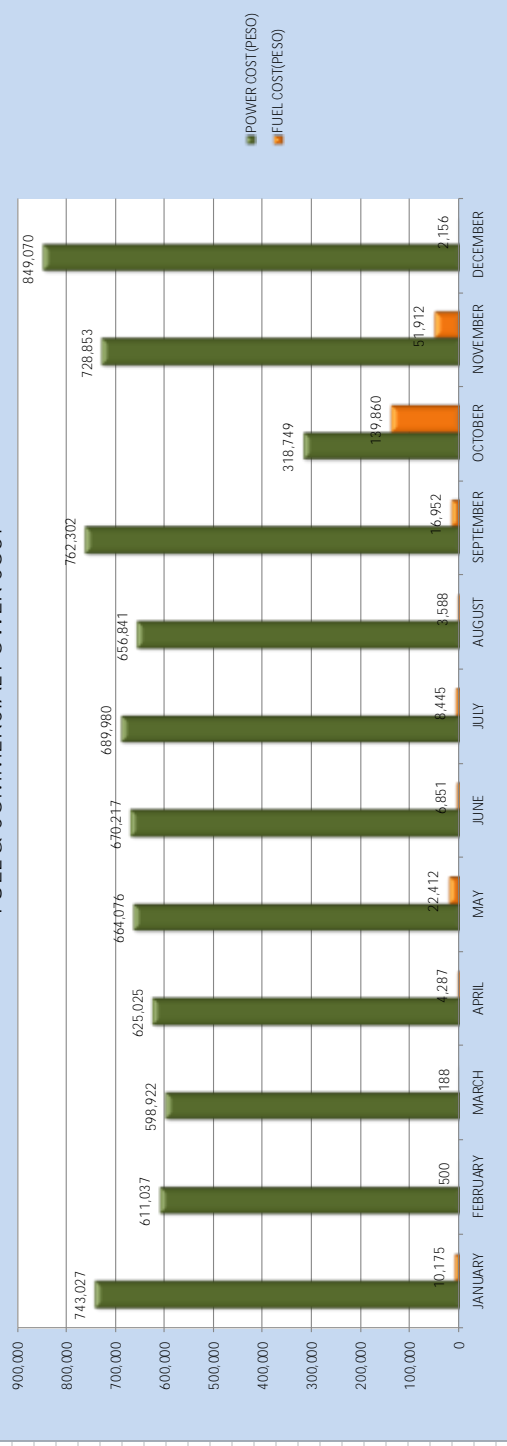




### MOTOR RUNNING HOUR



### FUEL & COMMERCIAL POWER COST



# ANNUAL BACTERIOLOGICAL TEST REPORT 2016

CITY OF ILAGAN WATER DISTRICT  
OPERATIONS AND TECHNICAL DIVISION  
PRODUCTION AND WATER QUALITY UNIT

## ANNUAL BACTERIOLOGICAL TEST REPORT 2016

| DESCRIPTION   | JANUARY | FEBRUARY | MARCH  | APRIL  | MAY    | JUNE   | JULY   | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
|---|---------|----------|--------|--------|--------|--------|--------|--------|-----------|---------|----------|----------|
| 1. Population actually served by utility  | 32,635  | 32,695   | 32,820 | 32,955 | 33,135 | 33,370 | 33,660 | 33,870 | 34,035    | 34,225  | 34,370   | 34,495   |
| a. Number of total service connections  | 6,527   | 6,539    | 6,564  | 6,591  | 6,627  | 6,674  | 6,732  | 6,774  | 6,807     | 6,845   | 6,874    | 6,899    |
| b. Average no. of persons/service connection  | 5       | 5        | 5      | 5      | 5      | 5      | 5      | 5      | 5         | 5       | 5        | 5        |
| 2. Required Minimum no. of Samples Per Month<br>(1 sample for every 5,000 population)       | 7       | 7        | 7      | 7      | 7      | 7      | 7      | 7      | 7         | 7       | 7        | 7        |
| 3. Sample Requirement   |         |          |        |        |        |        |        |        |           |         |          |          |
| a. Number of Samples Examined   | 7       | 7        | 7      | 7      | 7      | 7      | 7      | 7      | 7         | 7       | 7        | 7        |
| b. Percent to minimum required (3a/2x100)   | 100%    | 100%     | 100%   | 100%   | 100%   | 100%   | 100%   | 100%   | 100%      | 100%    | 100%     | 100%     |
| 4.1 Multiple Tube Fermentation Technique  |         |          |        |        |        |        |        |        |           |         |          |          |
| a. No. of samples showing presence of coliform  | 0       | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0         | 0       | 0        | 0        |
| b. Percent (%) to samples examined  | 0%      | 0%       | 0%     | 0%     | 0%     | 0%     | 0%     | 0%     | 0%        | 0%      | 0%       | 0%       |
| 4.2 Fecal Coliform Test (PCT)   |         |          |        |        |        |        |        |        |           |         |          |          |
| a. Number of samples showing presence of fecal organisms with mpn/100ml. value of 1.10 more | 0       | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0         | 0       | 0        | 0        |
| b. Meets Standard   | YES     | YES      | YES    | YES    | YES    | YES    | YES    | YES    | YES       | YES     | YES      | YES      |
| 4.3 Heterotrophic Plate Count (HPC)   |         |          |        |        |        |        |        |        |           |         |          |          |
| a. Number of HPC tests conducted  | 7       | 7        | 7      | 7      | 7      | 7      | 7      | 7      | 7         | 7       | 7        | 7        |
| b. No. of samples w/HPC value of <500CFU/ml.  | 7       | 7        | 7      | 7      | 7      | 7      | 7      | 7      | 7         | 7       | 7        | 7        |
| c. Meets Standard (if c is 100% or more.)   | YES     | YES      | YES    | YES    | YES    | YES    | YES    | YES    | YES       | YES     | YES      | YES      |

Prepared by:

  
**Harold T. Manaligod**  
Laboratory Technician A  
Production & Water Quality Unit

Verified by:

  
**Jose T. Galachiao**  
Division Manager C  
Operations & Technical Division

Approved by:

  
**Jose Mari G. Claravall**  
General Manager

# ANNUAL PHYSICAL & CHEMICAL ANALYSIS

## CITY OF ILAGAN WATER DISTRICT 2016 ANNUAL REPORT ON PHYSICAL AND CHEMICAL ANALYSIS

| LOCATION                        | Color    | Turbidity | pH      | Nitrate | Sulfate   | Chloride  | TDS       | IRON      | Mn        | Arsenic | Lead | Cadmium | Benzene |
|---------------------------------|----------|-----------|---------|---------|-----------|-----------|-----------|-----------|-----------|---------|------|---------|---------|
| Bagumbayan Pump Station         | 5        | 1.18      | 7.81    | nil     | 13        | 72        | 373       | 0.04      | 0.83      | nil     | nil  | nil     | nil     |
| Brgy. Bagumbayan, Ilagan City   | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Ilagan East Central Pump Stn.   | 10       | 0.93      | 7.1     | nil     | 0.04      | 194       | 642       | 0.22      | 1.13      | nil     | nil  | nil     | nil     |
| Centro, Ilagan City             | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Sto. Tomas 2 Pump Station       | 20       | 2.22      | 7.28    | nil     | 5         | 24        | 196       | 0.13      | 0.05      | nil     | nil  | nil     | nil     |
| Brgy. Sto. Tomas, Ilagan City   | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Upper Osmeña Pump Station       | 120      | 0.93      | 7.75    | nil     | 3         | 97        | 353       | 0.19      | 0.05      | nil     | nil  | nil     | nil     |
| Brgy. Osmeña, Ilagan City       | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Calamagui Riverside P.S.        | 10       | 1.21      | 7.18    | nil     | 7         | 15        | 243       | 0.22      | 0.92      | nil     | nil  | nil     | nil     |
| Brgy. Calamagui 1st, Ilagan C.  | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| CWQD/DPWH Pump Station          | 10       | 1.12      | 6.86    | nil     | 134       | 87        | 411       | 0.03      | 0.04      | nil     | nil  | nil     | nil     |
| Brgy. Osmeña, Ilagan City       | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Baligatan School Pump Stn.      | 10       | 3.09      | 7.52    | nil     | 4         | 14        | 211       | 0.17      | 0.34      | nil     | nil  | nil     | nil     |
| Brgy. Baligatan, Ilagan City    | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Brgy. BLISS, Ilagan City        | 16       | 4.31      | 7.42    | nil     | 3         | 5         | 181       | 0.44      | 0.15      | nil     | nil  | nil     | nil     |
| NHA 1 Pump Station              | 6        | 1.82      | 7.71    | nil     | 3         | 5         | 177       | 0.16      | 0.11      | nil     | nil  | nil     | nil     |
| Brgy. San Felipe, Ilagan City   | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| California Homes Pump Stn.      | 10       | 0.91      | 7.65    | nil     | 5         | 5         | 254       | 0.14      | 0.17      | nil     | nil  | nil     | nil     |
| Brgy. Alibagu, Ilagan City      | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Alibagu Terminal Pump Stn.      | 25       | 3.66      | 7.39    | nil     | 2         | 5         | 232       | 0.97      | 0.3       | nil     | nil  | nil     | nil     |
| Brgy. Alibagu, Ilagan City      | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| Alingangan 3rd Pump Station     | 5        | 1.2       | 7.26    | nil     | 15        | 10        | 179       | 0.09      | 0.45      | nil     | nil  | nil     | nil     |
| Brgy. Alingangan 3rd, Ilagan C. | Color U. | NTU       |         |         | mg./liter | mg./liter | mg./liter | mg./liter | mg./liter | nil     | nil  | nil     | nil     |
| PHSDW Limit                     | 10       | 5         | 6.5-8.5 | 50      | 15        | 10        | 500       | 1         | 0.4       | 0.01    | 0.01 | 0.003   | 0.01    |

Notes:  
PHSDW -  
(Philippine National  
Standards for  
Drinking Water)  
NTU -  
(Nephelometric  
Turbidity Units)  
TDS -  
(Total Dissolved  
Solids)

Remarks:  
Results in red did  
not comply with the  
standards set by the  
PHSDW.

Prepared by:  
  
HAROLD T. MANALIGOD  
Laboratory Technician A  
Production & Water Quality Unit

Noted by:  
  
JOSE T. GALACINAO  
Division Manager C  
Operations & Technical Division

Approved by:  
  
JOSE MARI G. CLARAVALL  
Division Manager

# ANNUAL CHLORINE RESIDUAL MONITORING REPORT

CITY OF ILAGAN WATER DISTRICT  
 Maharlika Highway, Bigy-Ormeña  
 City of Ilagan, Isabela

## ANNUAL CHLORINE RESIDUAL MONITORING REPORT 2016 Production and Water Quality Unit

| Monthly Averages for Chlorine Residuals |           |           |           |           |           |           |           |           |           |           |           |                |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------|
| January                                 | February  | March     | April     | May       | June      | July      | August    | September | October   | November  | December  | Annual Average |
| 0.319mg/L                               | 0.322mg/L | 0.315mg/L | 0.310mg/L | 0.321mg/L | 0.331mg/L | 0.323mg/L | 0.311mg/L | 0.317mg/L | 0.318mg/L | 0.321mg/L | 0.325mg/L | 0.320mg/Liter  |

Limits:  
 Minimum: 0.3mg./liter(Detected at the farthest point of the distribution system)  
 Maximum: 1.5mg./liter(Detected at any point of the distribution systems)

Color Codes: Chlorine Residuals  
 Good: 0.1 mg/L - 0.2mg/L  
 Better: 0.2mg/L - 0.3mg/L  
 Best: 0.3mg/L - 1.5mg/L

Notes:  
 Chlorine Dioxide and Calcium Hypochlorite(Chlorine Granules) are presently used as water disinfectants in all pump stations.

### FOR TOTAL and FECAL COLIFORMS ( Bacteriological Test )


<less than 1.1mpn/100ml.more than>>

0 mpn/100 Liter-1.1mpn/100Liter (Negative) 1.1mpn/100liter and above (Positive)

Limits:  
 Less than 1.1mpn/100ml.(negative)  
 More than 1.1mpn/100ml.(positive)

Remarks:  
 84 out of 84 samples submitted for bacteriological test for year 2016  
 <1.1mpn/100ml for total and fecal coliforms(negative).

Note:  
 mpn—(most probable number)  
 Prepared by:   
 HAROLD T.MAVALLEGOD  
 Laboratory Technician A  
 Production and Water Quality Division

Noted by:   
 JOSE I.GALACINAO  
 Division Manager C  
 Operations & Technical Division

Approved by:   
 JOSE MARI G. CLARAVALL  
 General Manager

# PUMPING STATION ASSESSMENT DATA

## CITY OF ILAGAN WATER DISTRICT PUMPING ASSESSMENT DATA

For the Fiscal Year 2016

| Month        | Generator Set Engine |                 | Electric Motor |                    | Total Operating Hours | Discharge Rate | Total Discharge  | Chlorine Consumption |
|--------------|----------------------|-----------------|----------------|--------------------|-----------------------|----------------|------------------|----------------------|
|              | Fuel                 | Hours           | Power          | Cost               |                       |                |                  |                      |
| January      | 407.00               | 41              | 71,507.00      | 743,026.81         | 8,512                 | 231.3          | 113,797          | 51                   |
| February     | 20.00                | 2               | 68,642.00      | 611,036.68         | 7,489                 | 255.3          | 113,320          | 52                   |
| March        | 7.50                 | 0.75            | 71,323.20      | 598,922.33         | 7,345                 | 275            | 124,922          | 76                   |
| April        | 171.50               | 25.80           | 69,810.80      | 625,025.23         | 6,743                 | 273            | 125,927          | 48                   |
| May          | 862.00               | 141             | 76,319.00      | 664,076.04         | 7,782                 | 280            | 135,395          | 86                   |
| June         | 263.50               | 28.28           | 81,071         | 670,217.4          | 8,576                 | 289.5          | 137,752          | 14                   |
| July         | 325.00               | 35.55           | 80,254         | 689,980.04         | 8,428                 | 273.8          | 137,540          | 3                    |
| August       | 138.00               | 17.1            | 81,536         | 656,840.57         | 8,987                 | 274            | 140,097          | 41                   |
| September    | 652.00               | 81.5            | 79,170         | 762,301.67         | 8,597.41              | 275            | 133,495          | 61                   |
| October      | 4,995.00             | 798.5           | 65,395         | 318,748.57         | 6,658.4               | 277            | 129,977          | 60                   |
| November     | 1,854                | 308             | 77,034         | 728,852.54         | 7,586                 | 261            | 136,879          | 53                   |
| December     | 77                   | 11              | 88,274         | 849,070.02         | 8,663                 | 267.7          | 138,015          | 80                   |
| <b>TOTAL</b> | <b>9,772.5</b>       | <b>1,490.45</b> | <b>910,376</b> | <b>7,918,097.9</b> | <b>95,366.81</b>      | <b>3,232.6</b> | <b>1,567,116</b> | <b>898</b>           |

# Accomplishment of Operations & Technical Division for FY 2016



Improvement of City Terminal Pumping Station, Brgy. Alibagu, City of Ilagan, Isabela



Expansion in Brgy. Village, City of Ilagan Isabela

# CIWD Purchases for FY 2016



## Generator Set



Upper Osmeña PS



California Homes PS



Treatment Plant



NHA II PS



STPS I



Bagumbayan PS



Bagumbayan PS

## Dosing Pumps

# ORGANIZATIONAL STRUCTURE



# BOARD OF DIRECTORS



DOMINADOR Z. CABASAL  
Chairman



ROSARIO C. MANALO  
Vice Chairman



MA. KAREN B. ESTABILLO  
Secretary



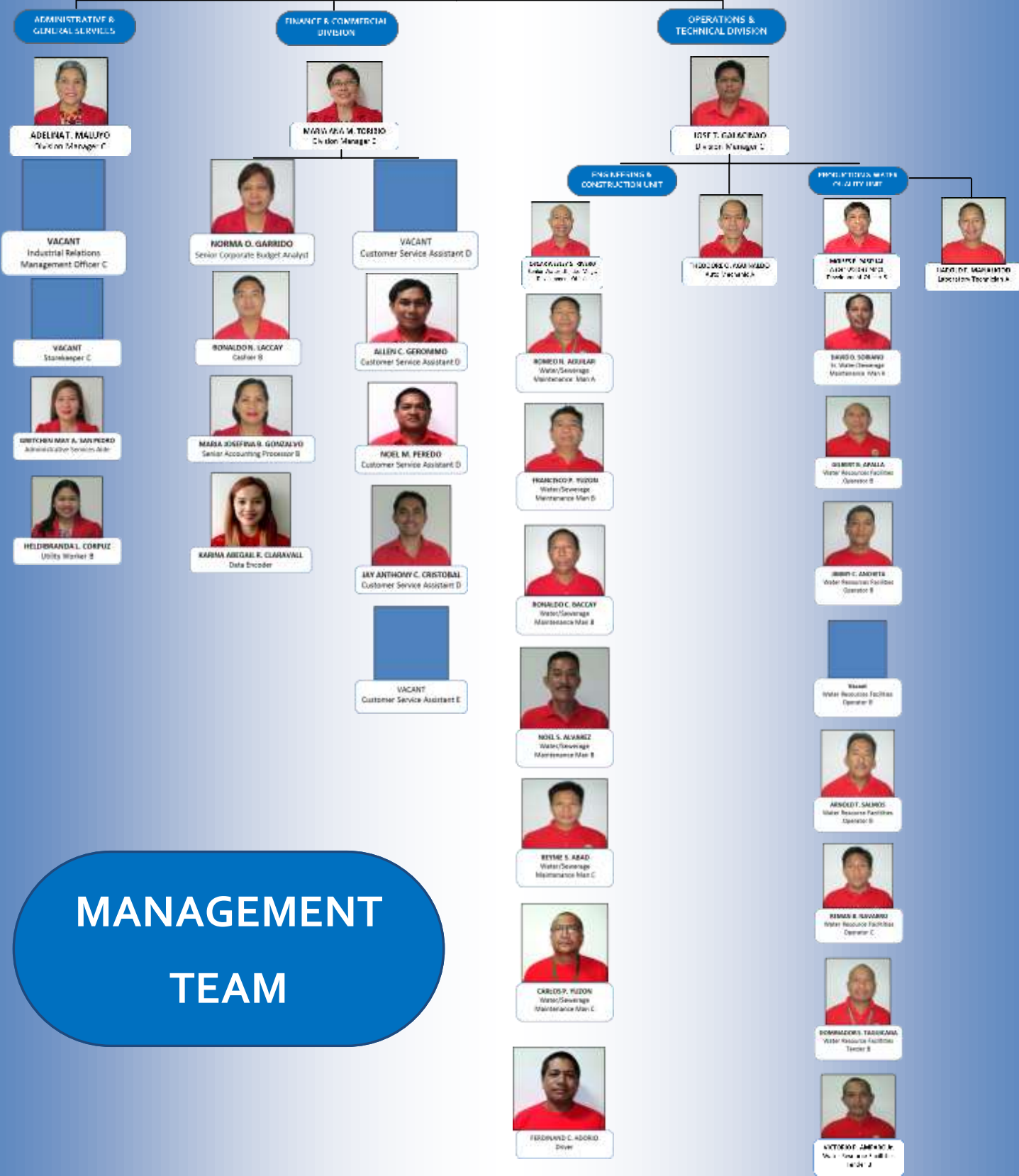
JOSEPH C. PAGGAO  
Member



MARIO B. UGTO  
Member



ROMEO M. DIAZ  
LWUA - 6th Member



**MANAGEMENT TEAM**



*City of Ilagan Water District*

Maharlika Highway, Brgy. Osmena City of Ilagan, Isabela

Website: [www.cityofilaganwaterdistrict.gov.ph](http://www.cityofilaganwaterdistrict.gov.ph)

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Tel. Fax No. : 078-624-2083 (Admin Division)

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