

LAPORAN TAHUNAN 2014 ANNUAL REPORT



SIBU WATER BOARD



BOARD'S SONG

"Ke Arah Visi dan Misi"

Verse 1

C F
Air sumber kehidupan
G C
Kualiti teras kejayaan
Em Am
Berkhidmat penuh kepimpinan
F G
Itulah tanggungjawab kami

Verse 2

C F
Melangkah maju ke hadapan
G C
Mencapai cita-cita bersama
Em Am
Kepekaan dan pengurusan
F G
Sistematik dan berwawasan

Chorus

C Am
Menjamin kualiti dan kemudahan untuk kita semua
F G
Berintegriti mengecapi Impian
Em Am
Berinovasi sentiasa berusaha
F G C
Ke arah visi dan misi bertaraf dunia

Bridge

F Em
Bekalkan air yang bersih dan lestari
F G C
Bermutu tinggi harga berpatutan
Em Am Em Am
Berganding tangan bersama demi nusa dan bangsa
F G
Tekad berikrar kami perjuangkan

Repeat chorus



OUR VISION

*Towards World Class In
Providing Potable Water
For Central Region
Of Sarawak*

OUR MISSION

*The provision of safe,
reliable and competitively
priced water supply at
the highest attainable
standards in Quality
& Service*





CHAIRMAN'S STATEMENT



INTRODUCTION

I have the pleasure of presenting the Board's Annual Report for the financial year ending 31 December 2014

FINANCIAL REVIEW

The Board's water sales had increased by 2.81%, from the previous year of RM26.07 million to RM26.80 million, and the other operating revenue had increased to RM7.85 million against the previous year of RM6.82 million.

The total operating expenditure including the depreciation expenses for the year had increased by 5.86% or RM2.14 million from RM36.42 million in 2013 to RM38.56 million in 2014. The depreciation expenses had increased to RM13.65 million from the previous year of RM12.97 million, against an increase in the Fixed Assets by RM1.58 million, mainly for works on new services, renewal programme, headwork improvement and acquisition of IT, and NRW related equipments, among others. There was a net increase on the non-depreciation expenses to RM24.90 million from RM23.46 million in 2013, or by 6.16%. The cost of Production and Distribution had increased by 7.18% and 7.44%, respectively. The net loss for the year was RM3.91 million. A grant of RM2 million was received from the State Government in 2013 as management fee for implementing Tanjung Manis Water Supply Phase I.

The Board had been highly dependent on soft loan from the government for its development projects, and at the end of the year, serviceable term loans have accumulated to RM145.45 million.

PRODUCTION AND CONSUMPTION

The Board produced a total of 46,803 megalitres (ML) of fully treated water in the year compared to 47,584 ML the previous year, a decrease of 1.65%. The average daily production decrease to 128.228 ML from 130.31 ML the previous year, with the maximum daily production recorded at 141.802 ML as against the minimum of 110.311 ML.

With a 4.01% increase in the number of active services, from 61,762 in 2013 to 64,093 at the end of 2014; the revenue for the year increased to 32,543 ML from 31,729 ML the previous year, equivalent to an increase of 4%.



DEVELOPMENT

TANJUNG MANIS WATER SUPPLY

The year 2014 marked the important milestone for the implementation of Tanjung Manis Water Supply Phase 1 project. The works commenced on 11 November 2013 with a 2 years' contract period. With the project split into 8 packages, each package has its unique issues and problems, and the interfacing for all of them posted a major challenge to the supervision team.

Nevertheless, through numerous discussions, meetings and fortnightly tracking of the work programmes, the various packages are now expected to be completed on various dates ranging from September 2015 to February 2016. Barring unforeseen circumstances, the investors and consumers should get the supply in March 2016.

NON-REVENUE WATER (NRW)

NRW related projects remained the major focus for the Board. An amount of RM7.27 million of Federal loan was disbursed to the Board for the expenditure incurred in 2014, including the "Pemasangan Paip Utama Di Jalan Tun Ahmad Zaidi Aduce" project.

The Board had spent RM3.68 million in 2014 to carry out various NRW activities including Geographical Information System (GIS), Meter Renewal, Development of the District Metering Area (DMA), Upgrading of Systems and Mains, Renewal of Water Mains, Network Maintenance, and also Pressure Management.

There are many challenges in the implementations of the NRW Management Program. Different systems such as SCADA, NRW Manager, and GIS had been introduced in order to manage the challenges faced by the NRW Team. Outsourcing of leakage detection activities was carried out as an effort to tackle the insufficient manpower issue. Another challenging task for the NRW Team was isolating the multilinked DMA's within the supply area. The DMA's isolation works will continue into year 2015, and are expected to be completed by end of 2015.

OTHER DEVELOPMENT PROJECTS

Project "Pemasangan Paip Utama untuk Zon 60-meter Jalan Tun Ahmad Zaidi Aduce (Stage 2)" commenced in March 2014, and was targeted to be completed in middle of 2015. Once completed, there will be dual supply line to ensure minimum interruptions to the 60-meter zone supply area, where several places of utmost importance e.g. hospital, airport, army camps and Sibu Jaya Township are located.

In 2014, the Federal Government had approved the loan on "Renewal and Upgrading of Reticulation System" under a separate vote head. This enabled the Board to carry out more pipe replacement works in the distribution system especially more replacement/renewal of Spun Iron mains.

CUSTOMER SERVICE

Ministry of Public Utilities had set up the standard survey questions to be used by all water agencies in Sarawak. The Board had carried out the online survey on customers' satisfaction. The first 3,000 online respondents had been given a discount of RM1, from their water bill. Only 142 nos. of Board's consumers had responded to this online survey. The result was forwarded to the Ministry for their compilation and analysis. It can be viewed at the Board's website.



The Board's website had attained 5-Star rating from the Malaysian Government Portal website Assessment (MGPWA) for three consecutive years since 2012.

KEY FOCUS ACTIVITIES (KFA)

The Board continued to carry out KFA activity jointly with LAKU Management Sdn. Bhd in 2014 with the project entitled "Standardization of Procedure for Miscellaneous Bills Collection". Through this collaboration, both water agencies can have the same standard and uniformity in work process. The Board is most appreciative to LAKU Management Sdn. Bhd. for the co-operation and comradeship.

OUTLOOK

The State's grant of RM5 million paid in 3 allotments to the Board as management fee for Tanjung Manis project is helping the Board financially, both in terms of Profit & Loss account and Cash Flow for 2013, 2014 and 2015.

Meanwhile the Federal Government is still considering the Board's application to convert some loans to grant for development projects directly or indirectly linked to rural water supply.

At the State level, the Board is continually appealing for the conversion of loan into grant. On top of that, a paper had been submitted to restructure the financing/repayment of all the existing loans; and discussion with the State Financial Office had been carried out on this. It is hoped that some of these efforts could be fruitful such that the Board's financial viability can be sustained until such time the water tariff can be reviewed.

ACHIEVEMENTS

Another milestone in the Board's quest for excellence was achieved. The Board had won the "Anugerah Perkhidmatan Kaunter Cemerlang 2014", and was also awarded 4-star rating for Accountability Index 2013.

APPRECIATION

To my fellow members, I wish to express my sincere appreciation on their good advices, supports, and co-operation in ensuring progress and performance of the Board. I also wish to thank the Management team and staff for their dedication, hard work, and loyalty towards achieving another successful year. Last but not the least, I would like to place on record my heartfelt thanks and gratitude to the State and Federal government, all government departments and agencies, valued customers and suppliers for their understanding, continued support, and trust placed on the Board.

HJ. UBAIDILLAH BIN HJ. ABDUL LATIP
Chairman



ESTABLISHMENT

Incorporation

Incorporated under the Sibu Water Board Order, 1959 made under Section 19 of the Water Supply Ordinance 1959 (Cap. 141) and re-incorporated under the Sibu Water Board Order, 1995 made under Section 19 of the Water Ordinance 1994 when the Water Supply Ordinance 1959 was repealed. The constitution of the Board was further amended vide Sibu Water Board Order 2002 and Sibu Water Board Order 2005.

Objectives of the Board

A body corporate established by the Yang diPertua Negeri as the water authority to administer, manage and supervise all water works situated within the area specified below:

Commencing from a Trig point numbered TT352 at the Sibu/Kanowit District Boundary on the true left bank of Batang Rajang about 1300 metres from East of Sungai Pak; thence on a South/Westerly direction following the Sibu/Kanowit District Boundary until it reaches Trig marked N134 on the common Divisional Boundary of Sibu/Sarikei; thence following the Sibu/Sarikei Divisional Boundary on a West/Northerly direction until it reaches the confluence of Loba Singat at Batang Lassa; thence on bearing 90 degree for a distance of 46 Km to reach a point at 'A' on the common District Boundary of Sibu/Dalat; thence following the existing Sibu/Dalat District Boundary on a Southerly direction for a distance of approximately 45 Km; thence following the existing Sibu/Kanowit District Boundary on a Southerly direction for a distance of approximately 10 Km to reach the Trig marked TT352, being the point of commencement.

Statutory Functions of the Board

Pursuant to Section 18 (3) - (4) of the Water Ordinance 1994, the general functions of the Board as a water authority are:

- to have the custody, management and administration of water works and the water therein and the management of the supply and distribution of such water within its area of supply subject to the general control and supervision of the State Water Authority.
- to supply water to the consumers within the limits of its area of supply subject to the provision of the Water Ordinance 1994 and any regulations made thereunder.



CORPORATE INFORMATION

Board Members 2014



CHAIRMAN

Tuan Haji Ubaidillah Bin Haji Abdul Latip



Encik Nicholas Sia



Encik Rumai Ak Galis



Encik Sim Kok Kee



**Dr. Muhamad Rais
Abdullah @ Krishnan
A/L Kalimuthu**



Encik Wong Nang Yong



Encik Kong Tze Ling



**Encik Awg. Julaihi
Bin Awg. Ali Bohan**



Encik Chiew Hock Lee



**En. Edwin Ak Edward
Lang**



Puan Ngui Ing Ing



CORPORATE INFORMATION

Members of the Board

Chairman

Permanent Secretary, Ministry of Public Utilities
Tuan Hj. Ubaidillah Bin Hj. Abdul Latip
(With effect from 01.04.2005)

Members

State Financial Secretary or his nominee
Encik Nicholas Sia
(Director of Finance & Administration SFS)
(With effect from 21.05.2009)

Assistant Director of Public Works (Water Supply)
Encik Rumai Ak Galis
(With effect from 16.01.2012)

Resident, Sibu Division

Encik Sim Kok Kee
(With effect from 01.05.2009)

Divisional Medical Officer

Dr. Muhamad Rais Abdullah @ Krishnan A/L Kalimuthu
(With effect from 12.10.2009)

6 members appointed by the Minister of Public Utilities

Encik Wong Nang Yong
(With effect from 01.04.2007)

Encik Awg Julaihi Bin Awg Ali Bohan
(With effect from 01.04.2007)

Encik Kong Tze Ling
(With effect from 01.04.2009)

Puan Ngui Ing Ing
(With effect from 01.04.2007)

Encik Chiew Hock Lee
(With effect from 01.04.2013)

Encik Edwin Ak Edward Lang
(With effect from 01.04.2014)

Secretary

Cik Mundun Ak Undau

Management

General Manager

Ir. Daniel Wong Park Ing

Deputy General Manager

Dato Ir. Alice Jawan Empaling

Secretary / Accountant

Cik Grace Hii Hui Hing
[Seconded to SFS (01.07.2005 to 20.07.2009),
State Treasury (21.07.2009 to 10.04.2010)
Internal Audit, JKM (w.e.f 11.04.2010)]
Puan Ting Ley King (Acting w.e.f. 01.07.2005 till 04.12.2011)
Cik Mundun Ak Undau (Acting w.e.f. 05.12.2011)

Head, Customer Service & Distribution

Civil Engineer

Encik Siew Kok Kiong

Head, Finance & Account

Accountant

Cik Mundun Ak Undau

Head, Capital Works Planning

Civil Engineer

Encik Lau Pon Yin

Head, Production

Chemist

Cik Betty Chang Yea Sze

Head, Mechanical & Electrical

Electrical Engineer

Encik Lau Siew Wei

Head, Human Resource & Administration

Administrative Officer

Puan Elizabeth Anak Raymond

Head, Corporate Affairs & Public Relations

Assistant Engineer

Haji Ariffin Haji Kahar

Head, Information System

Information Technology Officer

Encik Lawrence Ling Ning Wei

Bankers

RHB Bank Berhad
CIMB Bank Berhad

Auditor

Auditor - General Malaysia

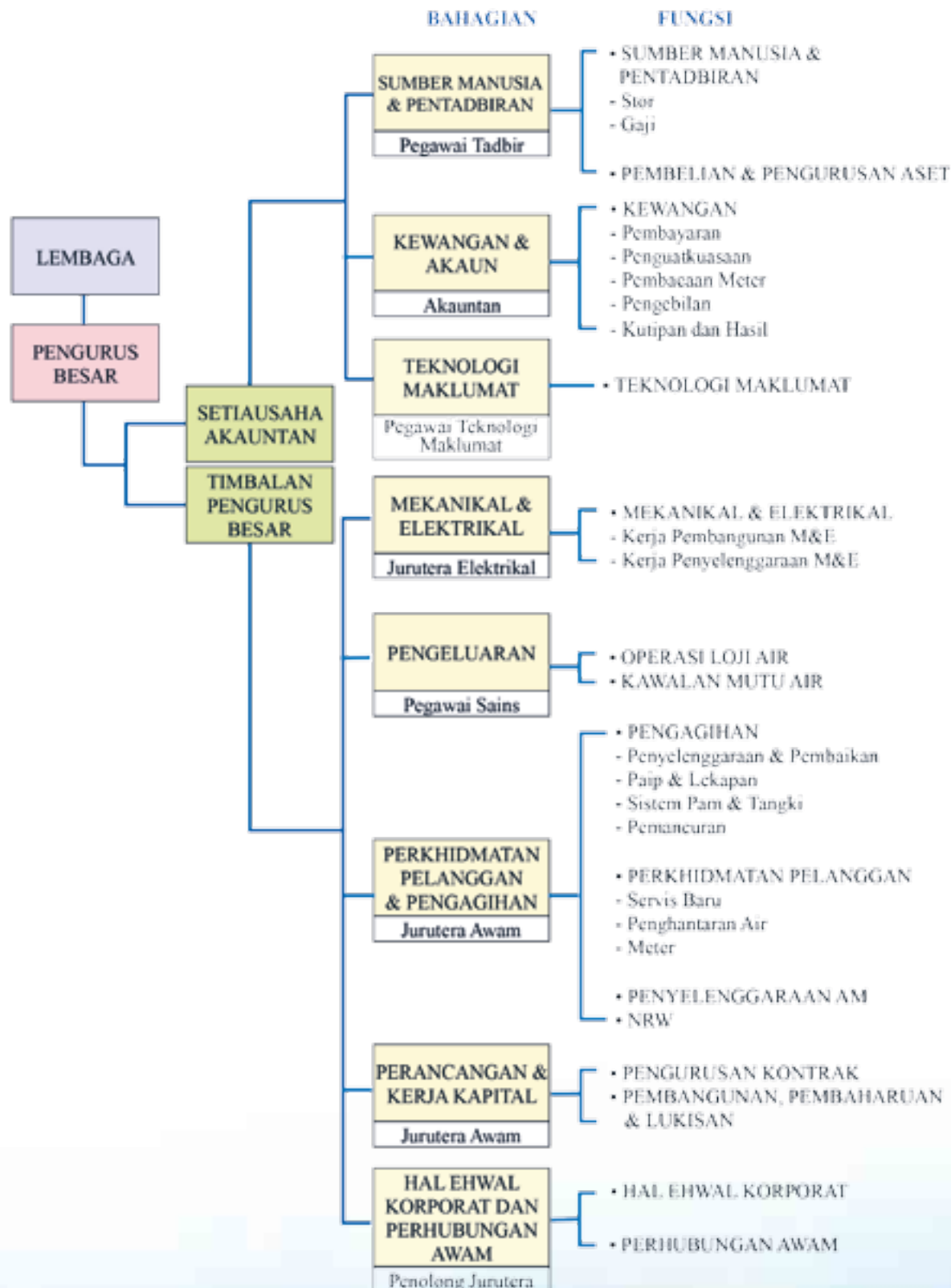
Principal Office

Sibu Water Board
Kilometer 5, Salim Road
96000 Sibu, Sarawak
Telephone : 084 – 211001 (General)
084 – 216312 (Bill Enquiry)
084 – 216311 (Hotline)
Facsimile : 084 – 211543
084 – 211894
Email : swbs@swb.gov.my
Website : sibuwaterboard.gov.my



CORPORATE INFORMATION

Carta Organisasi





CORPORATE PROGRESS

DEVELOPMENT

PLANS

The major development of the Board under the 10th Malaysia Plan included implementation of the following projects:

1. Program Mengurangkan Kadar Air Tak Berhasil Negeri Sarawak – Lembaga Air Sibu
2. Projek Pemasangan Paip Utama Zon 60 Di Jalan Tun Ahmad Zaidi Aduce, Sibu Division, Sarawak
3. Tanjung Manis Water Supply Phase 1
4. Membaikpulih Sistem Agihan Negeri Sarawak – Lembaga Air Sibu

DEVELOPMENT PROGRESS

The Board had allocated RM15.13 for development projects in 2014, which marked the four (4) year of the 10th Malaysia Plan. Total amount spent was RM12.76 which was made up of NRW Programme RM3.54 million or 27.74%, Projek Pemasangan Paip Utama di Jalan Tun Ahmad Zaidi Aduce RM2.92 or 22.89%, Membaikpulih Sistem Agihan Negeri Sarawak RM5.51 million or 43.18% and other development RM0.79 or 6.19%.

For Tanjung Manis Water Supply Phase 1, the Board is implementing the project on behalf of the State Government. The fund is allocated to the Board as grant based on submission of claims from consultants, contractors and other Agencies.

1 Contract No. SWB/CT/20/2011 The Delivery and Laying of D.I./HDPE Mains, Valves and Fittings Cum Ancillary Works (Renewal Project Year 2011 – Package 1, 2 & 3)



Contract Sum : RM3,094,400.00
Date of Commencement : 01.12.2011
Date of Practical Completion : 13.05.2013
Contractor : Mainline Enterprise Sdn. Bhd.
Expiry Date of Defects Liability Period : 12.05.2014

2 Contract No. SWB/CT/24/2011 The Supply, Delivery and Commissioning of i2O Pressure Management System and the Associated Accessories for Sibu Water Board.

Contract Sum : RM249,250.00
Date of Commencement : 17.01.2012
Date of Practical Completion : 25.05.2012
Contractor : ExxorTechnologies Sdn. Bhd.
Expiry Date of Warranty Period : 24.05.2014



3. Contract No. SWB/CT/03/2012 Projek Pemasangan Paip Utama Di Jalan Tun Ahmad Zaidi Aduce (Zone 60m), Sibu Division, Sibu



Contract Sum : RM6,628,853.00
Date of Commencement : 02.05.2012
Date of Practical Completion : 22.08.2013
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Contractor : Polybuilding Construction Co.
Expiry Date of Defects Liability Period : 21.08.2014



- 4 **Contract No.: SWB/CT/09/2012 The Supply, Delivery and Commissioning of GSM/SMS/Wireless Data Logger and the Associated Accessories for Sibu Water Board (NRW)**



Contract Sum : RM107,500.00
Date of Commencement : 09.08.2012
Date of Practical Completion : 14.09.2012
Contractor : Good Friend Engineering Works & General Trading
Expiry Date of Warranty Period : 13.09.2014

- 5 **Contract No.: SWB/CT/12/2012 The Second Upgrading of Treated Water Pumping System for 60 Meter Zone**

Contract Sum : RM1,322,000.00
Date of Commencement : 29.10.2012
Date of Practical Completion : 28.10.2013
Contractor : Group Engineers Malaysia Sdn. Bhd.
Expiry Date of Defects Liability Period : 27.10.2014



- 6 **Contract No.: SWB/CT/02/2013 The Supply and Delivery of Battery Operated Insertion Type Electromagnetic Probe Flowmeter and the Associated Accessories for SWB (NRW)**



Contract Sum : RM249,250.00
Date of Commencement : 17.01.2012
Date of Practical Completion : 25.05.2012
Contractor : EXXOR Technologies Sdn Bhd
Expiry Date of Warranty Period : 24.05.2014

- 7 **Contract No. SWB/CT/08/2013 Supply, Delivery, Installation, Completion including Testing and Commissioning of New Composite Stainless Steel Water Tanks at Sibu Jaya Residential High Level Tank**

Contract Sum : RM505,000.00
Date of Commencement : 21.05.2013
Date of Practical Completion : 19.09.2013
Contractor : MAG Intertrade Engineering (M) Sdn. Bhd.
Expiry Date of Defects Liability Period : 18.09.2014



- 8 **Contract No. SWB/CT/10/2013 Design, Supply, Installation and Commissioning of Two (2) Units of Fluoride Automated System (Polymix – Fluoride Package Plant) to Salim and Bukit Lima Water Treatment Plant**



Contract Sum : RM295,350.00
Date of Commencement : 12.07.2013
Date of Practical Completion : 27.11.2013
Contractor : Arachem (M) Sdn. Bhd.
Expiry Date of Defects Liability Period : 26.11.2014



- 9 **Contract No. SWB/CT/11/2013 Design, Supply, Install and Commissioning of One (1) Unit of VODES 6500 (Electrochlorination) On-Site Chlorine Generation System for Sibu Water Board**



Contract Sum : RM812,100.00
Date of Commencement : 07.08.2013
Date of Practical Completion : 27.12.2013
Contractor : Solidium (Sarawak) Sdn. Bhd.
Expiry Date of Defects Liability Period : 26.12.2014

- 10 **Contract No. SWB/CT/21/2013 The Supply, Delivery, Installation, Testing and Commissioning of Six (6) Units of Electric Valve Actuator c/w Value Accessories for Existing 750mm Filter Outlet Butterfly Valve at Salim Water Treatment Plant Phase 1, Sibu Water Board, Sibu**

Contract Sum : RM126,300.00
Date of Commencement : 01.10.2013
Date of Practical Completion : 28.03.2014
Contractor : Chun Hua Sdn. Bhd.
Expiry Date of Defects Liability Period : 27.03.2015



- 11 **Contract No. SWB/CT/23/2013 Tanjung Manis Water Supply Phase 1 Package 1 – Proposed Raw Water Intake Using River Bank Filtration System (RBF)**



Contract Sum : RM73,987,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : KCK Konsortium Sdn. Bhd.
Consultant : G&P Professional (Sarawak) Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 15.59%
Scheduled progress up to 31.12.2014 : 35.24%

- 12 **Contract No. SWB/CT/24/2013 Tanjung Manis Water Supply Phase 1 Package 3 – Proposed Jointing, Laying, Testing and Commissioning of the 1600 ND MPSUL Raw Water Pumping Main**

Contract Sum : RM109,250,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : Microsite Enterprise Sdn. Bhd.
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 51.50%
Scheduled progress up to 31.12.2014 : 59.10%



- 13 **Contract No. SWB/CT/25/2013 Tanjung Manis Water Supply Phase 1 Package 4 – Proposed Raw Water Booster Pumping Station at Sg. Maaw Raw Water Intake Site**



Contract Sum : RM86,700,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : Hock Seng Lee Berhad
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 25.26%
Scheduled progress up to 31.12.2014 : 36.01%



14 Contract No. SWB/CT/26/2013 Tanjung Manis Water Supply Phase 1 Package 5 – Proposed Construction of Twin 1100mm ND MSPUL Raw Water Submarine Pumping Main Crossing Major Rivers (7 nos.)



Contract Sum : RM81,500,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : PPES Works (Sarawak) Sdn. Bhd.
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 40.68%
Scheduled progress up to 31.12.2014 : 42.21%

15 Contract No. SWB/CT/27/2013 Tanjung Manis Water Supply Phase 1 Package 6 – Proposed Water Treatment and Associated Facilities and High Level Tank at Tanjung Manis

Contract Sum : RM105,350,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : Naim Engineering Sdn. Bhd.
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 59.02%
Scheduled progress up to 31.12.2014 : 45.61%



16 Contract No. SWB/CT/28/2013 Tanjung Manis Water Supply Phase 1 Package 7 – Proposed Raw Water Storage Reservoir and Intake and Booster Pumping Station at Tanjung Manis



Contract Sum : RM71,700,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : JV Utraco Construction Sdn. Bhd./
Pembinaan Kuantiti Sdn. Bhd.
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 54.10%
Scheduled progress up to 31.12.2014 : 55.22%

17 Contract No. SWB/CT/29/2013 Tanjung Manis Water Supply Phase 1 Package 8 – Proposed Distribution Pipelines at Tanjung Manis

Contract Sum : RM61,000,000.00
Date of Commencement : 11.11.2013
Date of Practical Completion : 10.11.2015
Contractor : Quality Concrete Holdings Berhad
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 52.79%
Scheduled progress up to 31.12.2014 : 32.82%



18 Contract No. SWB/CT/02/2014 Projek Pemasangan Paip Utama untuk Zon 60 Di Jalan Tun Ahmad Zaidi Adruce (Stage 2), Sibul, Sarawak



Contract Sum : RM3,867,700.00
Date of Commencement : 11.3.2014
Date of Practical Completion : 10.6.2015
Contractor : Mainline Enterprise Sdn. Bhd.
Consultant : Jurutera Perunding Wahba Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 73.90%
Scheduled progress up to 31.12.2014 : 69.90%



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19 Contract No. SWB/CT/04/2014 The Delivery and Laying of D.I./HDPE Mains, Valves, Fittings Cum Ancillary Works & Patching of Concrete Asphalt (Renewal Project Year 2014)



Contract Sum : RM2,146,551.00
Date of Commencement : 7.4.2014
Date of Practical Completion : 16.12.2014
Contractor : Lau Hieng Ming Co.
Expiry Date of Defects Liability Period : 15.12.2015

20 Contract No. SWB/CT/08/2014 The Delivery and Laying of D.I./HDPE/MSCL Mains, Valves, Fittings Cum Ancillary Works along Lorong Tunku Abdul Rahman 15, Sibü

Contract Sum : RM499,908.00
Date of Commencement : 24.6.2014
Date of Practical Completion : 9.11.2014
Contractor : Syarikat Berjaya Bersatu
Expiry Date of Defects Liability Period : 8.11.2015



21 Contract No. SWB/CT/11/2014 The Supply, Delivery and Commissioning of GSM/SMS/Wireless Data Logger and the Associated Accessories for Sibü Water Board (NRW)



Contract Sum : RM315,000.00
Date of Commencement : 7.7.2014
Date of Practical Completion : 12.8.2014
Contractor : Coast Enterprise (S) Sdn. Bhd.
Expiry Date of Warranty Period : 11.8.2016

22 Contract No. SWB/CT/13/2014 The Supply, Delivery and Commissioning of Battery Operated Electromagnetic Flow Meter and the Associated Accessories for Sibü Water Board (NRW)

Contract Sum : RM566,000.00
Date of Commencement : 30.7.2014
Date of Practical Completion : 6.11.2014
Contractor : Coast Enterprise (S) Sdn. Bhd.
Expiry Date of Warranty Period : 5.11.2016



23 Contract No. SWB/CT/15/2014 The Smartball proposal for Advanced Trunks Mains Leakage Detection Program in Sibü, Sarawak



Contract Sum : RM1,548,200.00
Date of Commencement : 15.9.2014
Date of Practical Completion : 14.2.2015
Contractor : Exxor Technologies Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 40%
Scheduled progress up to 31.12.2014 : 40%

24 Contract No. SWB/CT/18/2014 The Supply, Delivery of Battery Operated Insertion Type Electromagnetic Probe Flow Meter and The Associated Accessories for SWB (NRW)

Contract Sum : RM425,000.00
Date of Commencement : 1.10.2014
Date of Practical Completion : 31.10.2014
Contractor : Coast Enterprise (S) Sdn. Bhd.
Expiry Date of Warranty Period : 30.10.2016





25 Contract No. SWB/CT/19/2014 The Supply, Delivery and Commissioning of Pilot Operated Pressure Reducing Valves (Full Bore) and The Associated Accessories for SWB (NRW)

Contract Sum : RM342,200.00
Date of Commencement : 1.10.2014
Date of Practical Completion : 28.2.2015
Contractor : Coast Enterprise (S) Sdn. Bhd.
Expiry Date of Warranty Period : 24.11.2016



26 Contract No. SWB/CT/20/2014 The Supply of Labours for Leakage Detection Activities for Sibu Water Board's Supply Water Board's Supply Area for Year 2014 & 2015



Contract Sum : RM170,000.00
Date of Commencement : 1.10.2014
Date of Practical Completion : 31.12.2014
Contractor : HK Engineering

27 Contract No. SWB/CT/21/2014 The Supply of Labours, Transports, Tools and Equipment to Assist in Installation of Electromagnetic Flow Meter/Insertion Probe Meters, Pressure Reducing Valve c/w Concrete Chamber/Meter Bridge and Isolation Valves Cum Ancillary Works within Sibu Water Board Supply Area (NRW)

Contract Sum : RM534,380.00
Date of Commencement : 13.10.2014
Date of Practical Completion : 12.1.2016
Contractor : Coast Enterprise (S) Sdn. Bhd.
Physical Work Done up to 31.12.2014 : 20.97%
Scheduled progress up to 31.12.2014 : 20.97%



28 Contract No. SWB/CT/29/2013 Tanjung Manis Water Supply Phase 1 Package 8 – Proposed Distribution Pipelines at Tanjung Manis



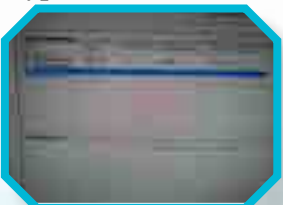
Contract Sum : RM597,100.00
Date of Commencement : 12.12.2014
Date of Practical Completion : 31.12.2014
Contractor : Exxor Technologies Sdn. Bhd.

29 Contract No. SWB/CT/24/2014 Provision of a Water Distribution SCADA System for SWB, Sarawak

Contract Sum : RM708,205.00
Date of Commencement : 12.12.2014
Date of Practical Completion : 31.12.2014
Contractor : Exxor Technologies Sdn. Bhd.



30 Contract No. SWB/CT/25/2014 Implementation Windows 2012 Standard Edition & Microsoft Hyper-V Virtualization Solution for NRW



Contract Sum : RM76,002.00
Date of Commencement : 19.12.2014
Date of Practical Completion : 31.12.2014
Contractor : VMS Solution Sdn. Bhd.



CORPORATE PROGRESS

DEVELOPMENT WORK

MAINS EXTENSION

For the year 2014, 15.21 km of water mains were laid and the total aggregate of water mains in the distribution system was 1,193 km. The size of pipes in the distribution system ranges from 50 mm to 1,200 mm diameter. In addition, 7.72 Km of pipes were renewed in various locations within the Board's water supply area to enhance the distribution system. The details of the main extension laid and renewed are as per tables listed below:

Length Of Pipes Laid During The Years 2010 To 2014

Pipe Sizes In Millimeters	Yearly New Extension (Length In Meters)				
	2010	2011	2012	2013	2014
63	1,598	2,618.00	4,701.70	2,165.30	3,380.00
90			95.00	125.00	-
150	9,149	7,956.70	6,959.20	7,924.60	5,246.20
160	2,600	3,258.00	33,341.59	147.20	1,120.00
200	283	-	1,760.00	-	80.00
225	2,600	-	4,450.42	-	295.00
250	790	270.00	358.00	939.00	-
280	-	-	18,077.00	-	-
300	-	316.00	338.00	630.00	562.30
345	2,550	-	-	-	-
355	75	-	15,300.00	9,499.00	35.00
400	25	-	-	-	-
450	-	-	-	321.00	-
630	-	-	-	-	4,495.00
TOTAL	19,670	14,418.70	85,380.91	21,751.10	15,213.50

Length Of Pipes Renewed During The Years 2010 To 2014

Pipe Sizes In Millimeters	Yearly Renewal (Length In Meters)				
	2010	2011	2012	2013	2014
63	515	745.00	3,811.80	104.00	-
100	-	-	-	-	24.00
150	1,360	225.60	15,727.00	588.00	210.8
160	1,627	816.00	120.00	96.00	240.50
200	-	-	302.00	-	4,984.02
225	1,006	-	102.00	-	-
250	-	-	2,508.00	439.00	691.70
300	70	-	111.00	-	-
355	-	13.00	-	-	--
400	-	-	-	-	68.80
450	-	-	-	-	120.00
600	1,365	-	-	-	1,380.00
750	254	-	-	-	-
TOTAL	6,197	1,799.60	22,681.80	1,234.00	7,719.82



CORPORATE PROGRESS

WATER PRODUCTION

The Board has two (2) treatment plants, namely Bukit Lima & Salim Water Treatment Plants with design capacities of 45 MLD and 150 MLD respectively.

The Board produced a total of 46,803 ML fully treated water in the year 2014 or an average of 128.228 ML per day, a decrease of 1.64% from that of 2013. During the year, the Board recorded a maximum daily production of 141.802 ML and a minimum daily production of 110.311 ML.

QUALITY CONTROL

Sibu Water Board (SWB) continued to treat and produce potable water according to the requirements stated in National Drinking Water Quality Standard.

During the year, 13,546 samples were taken from Raw Water Intakes, Treatment Plants, High Level Tanks, Reservoirs, and Distribution Systems for water examinations. Out of this number, 11,391 samples were analyzed for Physico-chemical Test while the remaining 2,155 samples were examined for Bacteriological Test, as shown in the table below:

Parameter / Location	Board's Laboratory	
	Physico-chemical Test	Bacteriological Test
Raw Water Intake & Sources	2,666	0
Water Treatment processes	4,856	476
Treatment Plant Outlets	2,666	476
High Level Tanks & Reservoir	555	555
Distribution Systems	648	648
TOTAL:	11,391	2,155

Number of water samples tested from various sources for year 2014.

Effective year 2014, no sample was sent to Chemistry Department Sibu as the sampling activities under the KMAM program have been taken over by the Health Department of Sibu.

From the water samples sent to Chemistry Department Sibu by Health Department Sibu, 19.8% of the raw water samples were found to contain Total Coliform exceeding 5000 MPN/100 ml (maximum acceptable level for conventional water treatment). This is not unusual as raw water often contains the presence of bacteria. However, with the effective water treatment process control and close quality monitoring, none of the treated water samples were contaminated with Coliform and E.Coli bacteria. There was also no violation for Residual Chlorine.

According to the modified NIA Indicators of Bahagian Perkhidmatan Pergigian, Kementerian Kesihatan Malaysia, the maximum allowable percentage of non-conformance of fluoride level is 25% for level <0.40 ppm and 7% for level >0.60 ppm. Due to stringent monitoring of fluoridation process by SWB, non-conformance of fluoride level >0.60 ppm was reduced from 12.0% in year 2013 to 8.3% in year 2014. On the other hand, for fluoride level <0.40 ppm, non-conformance for both 2013 and 2014 were 0%. The installation and implementation of Fluoride Automated System at both Salim and Bukit Lima Treatment Plants in December 2013 also contributed to this achievement.



CORPORATE PROGRESS

CUSTOMER SERVICE & DISTRIBUTION

DISTRIBUTION SYSTEM

Distribution Section is responsible for the maintenance of the watermains, communication pipes, pipe appurtenances and the operation of Booster Stations/Pumping Stations at Deshon, Teku, Stabau, Mile 19, Sibü West, Miles 13, Pasai Siong and Sibü Jaya. The number of watermains, communication pipes and pipe appurtenances repaired/renewed during the year are as follows:-

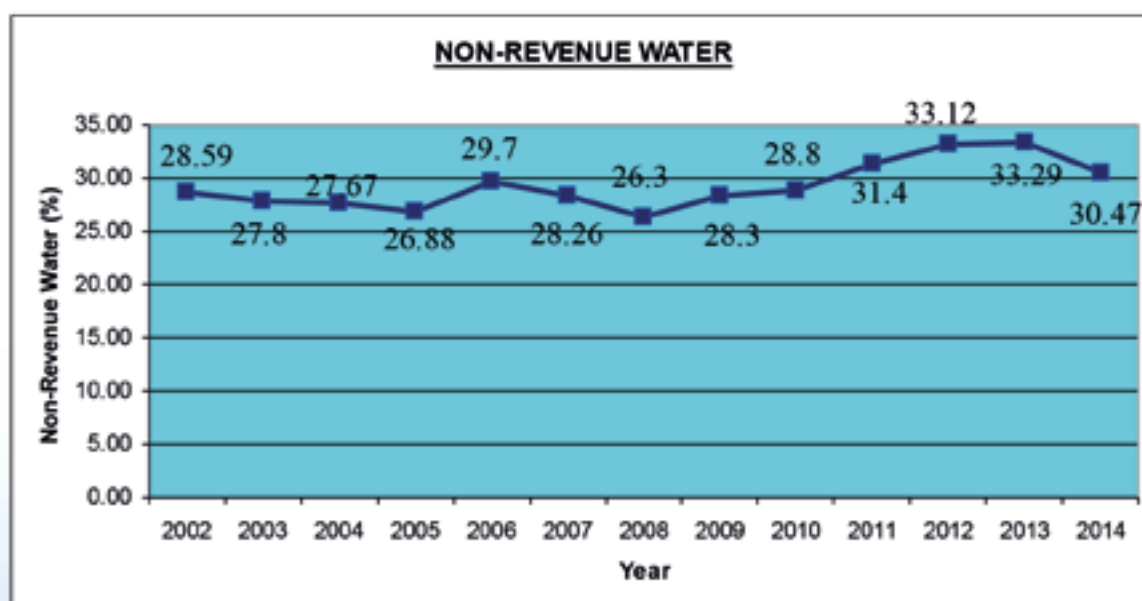
Water Mains, Communication Pipes and Pipe Appurtenances and Meters Repaired/Renewed/Replaced In 2014.

Particulars	Repaired	Renewed/Replaced
Watermains	629 nos.	7,720 metres
Communication Pipes	2,419 nos.	694 nos.
Pipe Appurtenances	131 nos.	468 nos.
Meters	111 nos.	530 nos.

The Flushing Section had carried out 2,861 number of flushings during the year throughout the distribution system to ensure clean water was supplied to the customers.

NON-REVENUE WATER

The Board's Non-Revenue Water (NRW) for the year was recorded at 30.47% (which accounts for 14,260 megalitres), as compared to 33.29% (which accounts for 15,843 megalitres) the previous year. The graph below shows the NRW levels for year 2002 – 2014.





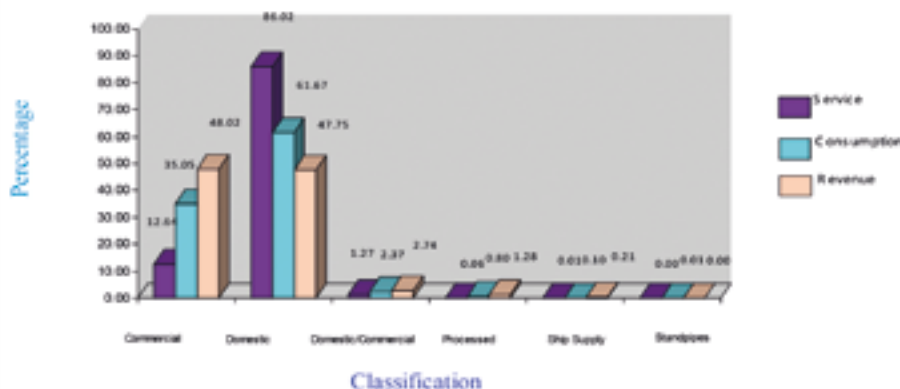
CUSTOMER SERVICE

Customer Service Section provides services pertaining to application for water supply and transfer or closing of accounts and handling of customers' complaints. 2,393 new services were installed in the year, bringing the total number of connections at the end of the year to 73,216. Out of this number, only 64,093 are active accounts, which the rest were temporarily disconnected either on-request by the customers or due to non-payment.

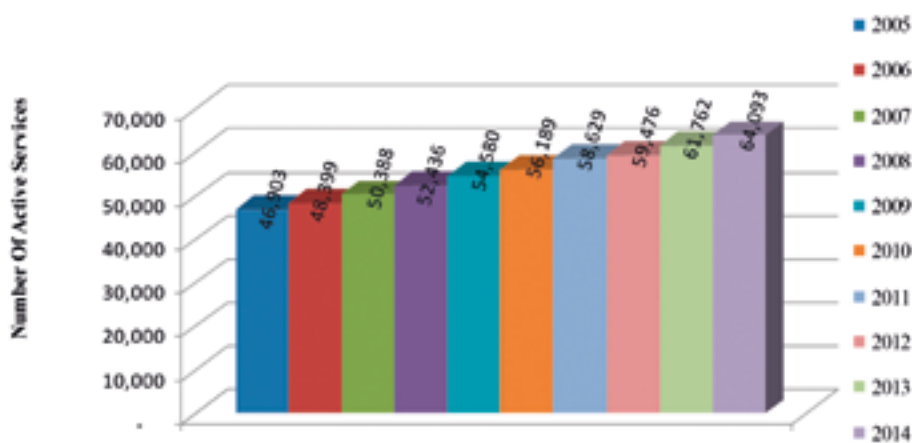
There was a net increase of 3.77% of active customer accounts over the previous year. The composition of the active accounts is as follows:

Sector	Number	Percentage
Domestic	55,134	86.02
Domestic/Commercial	811	1.27
Commercial	8,098	12.63
Others	50	0.08
Total	64,093	100.00

Percentage Relationship Of Water Classification With Respect To Service, Consumption & Revenue For 2014



NUMBER OF ACTIVE SERVICES (2005 - 2014)





CORPORATE PROGRESS

HUMAN RESOURCE

STAFF STRENGTH

The total staff strength at the end of year 2014 was 177 persons against 187 persons in year 2013. The movement of the staff is exhibited in the table below:-

Particular	Professional & Management Group	Support Group	Total
No. of staff as at 01.01.2014	*11	176	187
Retired	Nil	(12)	(12)
Resigned	Nil	(2)	(2)
Passed Away	Nil	(1)	(1)
New Recruit	1	4	5
Promotion	Nil	Nil	Nil
No of staff as at 31.12.2014	*12	165	177

**include 1 staff seconded to Internal Audit Unit, JKM and 1 staff recruited on contract*

Item	Name	Post	Period of Service
Optional Retirement	1) Thomas Anak Mawit	Tukang K3, Gred R14	01.02.1991 - 31.12.2013 (22 years 11 months)
	2) Low Anak Sehom	Pekerja Awam, Gred R4	01.03.1989 - 28.02.2014 (25 years)
	3) Sabang Anak Ngabong	Pemandu Kenderaan Bermotor, Gred R6	01.11.1985 - 30.03.2014 (28 years 5 months)
	4) Tebin Anak Rigi	Pekerja Awam, Gred R4	01.02.1993 - 30.04.2014 (21 years 3 months)
	5) Johnson Bin Dalamit	Perantis Tukang Paip Besar, Gred R4	01.01.1984 - 31.07.2014 (30 years 7 months)
Compulsory Retirement	1) Munil Anak Usin @ Osin	Tukang K3, Gred R14	01.04.1978 - 27.04.2014 (36 years 27 days)
	2) Jaino Bin Jais	Tukang K3, Gred R9	01.12.1981 - 27.06.2014 (32 years 6 months 26 days)
	3) Abu Bakar Bin Johari	Pekerja Awam, Gred R4	04.01.1984 - 04.09.2014 (30 years 8 months)
	4) Ismail Bin Hj. Meliki	Pekerja Awam, Gred R4	17.09.1985 - 25.09.2014 (29 years 9 days)
	5) Openg Bin Omar	Pembantu Tadbir (P/O), Gred N17	01.04.1978 - 09.12.2014 (36 years 8 months 9 days)
	6) Nawong Anak Sigat	Pemandu Kenderaan Bermotor, Gred R6	09.06.1997 - 21.12.2014 (17 years 6 months 13 days)
	7) Ting Ping Hua	Penolong Pegawai Tadbir, Gred N27	01.11.1973 - 26.12.2014 (41 years 1 month 26 Days)
Demised	1) Amit Anak Muas	Pekerja Awam, Gred R4	06.09.1990 - 26.08.2014 (23 years 11 months 20 days)
Resigned	Joshua Anak Jackson	Juruteknik, Gred J17	01.10.2009 - 31.05.2014 (4 years 8 months)
	Abdul Razak Bin Kadir	Penolong Akauntan, Gred W27	22.11.2004 - 01.09.2014 (9 years 9 months 11 days)
Item	Name	Post	Date of Recruitment
New Recruits	1) Nurul Akhma Binti Yusuf	Pembantu Tadbir (Kewangan), Gred W17	04.06.2014
	2) Awang Helmi Bin Awang Safiee	Pekerja Awam, Gred R1	04.06.2014
	3) Betty Chang Yea Sze	Pegawai Sains, Gred C41	01.07.2014
	4) Amir Salihin Bin Mohamed Effendi	Pekerja Awam, Gred R1	01.12.2014
	5) Mohd. Helmi Bin Zamil	Pekerja Awam, Gred R1	01.12.2014



HUMAN RESOURCE DEVELOPMENT

To enhance quality of services delivered, the Board spent RM162,288.79 or 1.4% of Administration cost in training staff on various aspects in 2014.

About 80 courses, seminar or conferences, both technical and non-technical, had been approved for the staff to attend during the year. With ten (10) courses held in-house and 15 K-Klinik, the training program enabled the staff to fulfill the Continual Personal Development (CPD) hours set by the organisation in accordance with the State's service circular.

The major training programmes during the year are summarized as below:-

No	Course	Training Venue	No. of staff attended
1	Taklimat Kriteria Baru Bagi Audit 5S/QE	SWB	36
2	Taklimat GST	SWB	112
3	Taklimat Keselamatan ICT & Perkongsian Laman Web Lembaga Air Sibu	SWB	121
4	Taklimat Cara Pelupusan Beg Bahan Kimia Terpakai/Reagen & Cara-cara Menangani Tumpahan Reagen di Bilik Makmal	SWB	45
5	Taklimat Pengurusan Kewangan Berhemah	SWB	61
6	Taklimat Pekerja Tiang Sri Negara Oleh CUEPACS	SWB	89
7	Kursus Kad Hijau	SWB	90
8	Pengurusan Stress	SWB	15
9	Taklimat Pemandu Berhemah	SWB	45
10	The Training For Servicing of Mechanical Water Meter	SWB	33

INDUSTRIAL TRAINING

In year 2014, the Board had provided industrial training for 37 students pursuing degree, diploma and certificate in various fields especially engineering, chemistry and administration. The students had gained valuable exposure and hands-on experience during their industrial training period.



25 March 2014

Farewell Party to Mr. Munil Usin
& Mr Sabang Ngabong



28 May 2014

Farewell Party to Mr. Jaino Jais



25 August 2014

Farewell Ceremony to Encik Johnson, Encik Abu Bakar,
Encik Ismail Meliki & Encik Abdul Razak Kadir



04 December 2014

Farewell Tea Party to Encik Openg Omar



LAPORAN TAHUNAN ANNUAL REPORT 2014



INTERGRATED MANAGEMENT SYSTEM

The theme for IMS 2014 was “Tahun Keselamatan, Kesihatan dan Sekuriti”. A fire drill was conducted on 11 June 2014 (3:30 pm) followed by “Stress Management” session conducted by Sibu Hospital on 30 October 2014 during the Innovation Week. A total of 45 staff attended the course.

IMS Surveillance Audit was conducted by Intertek Certification International Sdn Bhd from 14-16 May 2014. The Board again succeeded to have the certification validated for another year.

JA(NRW) attended and passed the EMS lead Auditor Course conducted by Intertek Certification International Sdn Bhd in Kuala Lumpur from 26 May to 30 May 2014.

Self Audit for all procedure owners was carried out to maintain up-to-date work processes. From 28 - 30 August 2014, IMS organized an educational visit to Laku Management (Bintulu) Sdn Bhd. A total of 29 staff participated in the visit. The main objective was to learn from each other.

An in house training on “Hazardous Chemical Management” was conducted by Neville Clarke on 22 October 2014. 14 EMS members and 5 OHSAS members attended the training.



IMS Surveillance Audit

14 – 16 May 2014



CHRONOLOGICAL EVENTS OF THE YEAR



22 January 2014
Educational Visit by Syarikat Air Johor



24 January 2014
Sibu Water Board Annual Dinner



05 February 2014
Visit to family of ex-Board member the late Mr. Sayun



21 February 2014
Treatment Plant Visit by SEGI College



25 February 2014
Dialogue Session with
Main Layers & Pipe Fitters



27 February 2014
SWB Strategic Planning
Workshop 2013/2014



07 March 2014
Treatment Plant Visit by PLKN Junaco Park



14 March 2014
K-Klinik - Kursus Motivasi, Semangat
Positif & Transformasi Sikap

24 January 2014
Opening Ceremony on Taska Sedidik
Perdana Lembaga Air Sibu



24 January 2014
Board Meeting No. 203



07 February 2014
Treatment Plant Visit by UNIMAS



25 February 2014
Safety, Health & Security Program-Briefing,
Blood Test, & Blood Donation



26 February 2014
New criteria QE / 5S Briefing



06 March 2014

K-Klinik - Sasaran Jam Latihan Minima Setiap kakitangan
bersamaan dengan 7 hari (42 Jam) dalam setahun





CHRONOLOGICAL EVENTS OF THE YEAR



15 March 2014
K-Klinik - Nilai-nilai Keagamaan



18 March 2014
Ceramah Penyakit Denggi dan Penyakit
Tuberculosis (TB) di Lembaga Air Sibu



25 March 2014
Farewell Party to Mr. Munil Usin
& Mr Sabang Ngabong



28 March 2014
Visit by Jabatan Akauntan Negara, Cawangan Kapit



02 April 2014
Rotork Product Briefing



15 April 2014
Feedback Session with Main Layers and Pipe Fitters



02 May 2014
Treatment Plant Visit by Kelab Koperasi
& Kelab Pengguna SMK Bandar Sibu

15 March 2014
Program "Walk-A-Mile" 2014



22 March 2014
Salim Treatment Plant Open Day



28 March 2014
Board Meeting No. 204



31 March 2014
Microsoft Work Program Training



10 April 2014
2014 KFA (Key Focus Activities)
Kick off meeting



30 April 2014
Site Supervisor Training



05 - 07 May 2015
CIDB Green Card Training





CHRONOLOGICAL EVENTS OF THE YEAR



08 May 2015
Site Visit after TMWS Phase 1 Project
Implementation Task Force Meeting



08 May 2015
Taklimat Sistem Penalti Penggunaan PPE



09 May 2014
Taklimat Cara-cara Pelupusan
Beg Kimia Terpakai Reagen



14 May 2014
Meeting on High Performance Team Solution



14 - 16 May 2014
Integrated Management System (IMS) Surveillance Audit



19 May 2014
KIK - Group Presentation



23 May 2014
EMS & OHSAS Cleaning Day



28 May 2014
Treatment Plant Visit by Persatuan Brigade Puteri Malaysia



28 May 2014
Briefing on HDPE Electrofusion Fittings by Megapadu



28 May 2014
Farewell Party to Mr. Jaino Jais



29 May 2014
Treatment Plant Visit by
SMK Tung Hua



09 June 2014
Prize Giving for Bowling Competition



11 June 2014
Fire Drill



12 June 2014
Treatment Plant Visit by Kolej ITA



13 June 2014
Treatment Plant Visit by Kolej Laila Taib



17 June 2014
Feedback Session with Main
Layers & Pipe Fitters



LAPORAN TAHUNAN ANNUAL REPORT 2014

CHRONOLOGICAL EVENTS OF THE YEAR



17 June 2014
Gawai Gathering



08 July 2014
Product Briefing by SKI Pipe
& Fitting (M) Sdn Bhd



11 July 2014
Board Meeting No. 205



12 August 2014
Monthly Feedback Session with
Main Layers and Pipe Fitters



22 August 2014
IMS Internal Audit Opening Meeting



25 August 2014
Ujicuba Alat Inovasi KIK Lembaga Air Kuching



10 September 2014
Visit to Tanjung Manis Water Supply by
Chairman Hj Ubaidillah bin Hj Abdul Latip

07 July 2014
Prize Giving Ceremony
for QE/SS Competition



10 July 2014
Majlis Berbuka Puasa bersama
Pengerusi Lembaga Air Sibu



11 & 12 August 2014
Training on Electromagnetic Flow Meter



15 August 2014
Basic Management Training



25 August 2014
Farewell Ceremony to Encik Johnson, Encik Abu Bakar,
Encik Ismail Meliki & Encik Abdul Razak



28 -30 August 2014
IMS Educational Visit to Bintulu



10 September 2014
Tanjung Manis Water Supply Phase 1 Utilities
Coordination Task Force Committee Meeting





CHRONOLOGICAL EVENTS OF THE YEAR



12 September 2014
K-Klinik- Awareness on Water
Production Process by Pegawai Sains

19 September 2014

Taklimat dan Tapisan Kesihatan untuk
Penyakit Tibi oleh Hospital Sibü



25 September 2014
Training on Servicing of Mechanical Water Meter
By Syuhadajaya Sdn Bhd & Gearge Kent(M) Bhd

26 September 2014

SS /QE Training



01 October 2014
Treatment Plant Visit by University
College of Technology Sarawak

16 October 2014

Visit by Anugerah Perkhidmatan
Kaunter Cemerlang Panel



17 October 2014
K-Klinik - Keselamatan Teknologi
Maklumat & Perkongsian Laman Web LAS

17 October 2014

Treatment Plant Visit by SJK Chao Su



20 October 2014
Treatment Plant Visit by SMK Rosli Dhoby

21 October 2014

Treatment Plant Visit by SJK Nang Sang



21 October 2014
Treatment Plant Visit by SJK Guong Ann

21 October 2014

Feedback Session with Main Layers & Pipe Fitters



22 October 2014
Neville Clarke- Hazardous
Chemical Management Training

24 October 2014

Treatment Plant Visit by SJK Chung Hua, Roban





CHRONOLOGICAL EVENTS OF THE YEAR



24 October 2014
Treatment Plant Visit
by SMK Methodist



28 October 2014
Taklimat Good & Services Tax (GST)
oleh Jabatan Kastam Diraja Malaysia



30 October 2014
Pemeriksaan Kesihatan oleh Pathology
& Clinical Laboratory (M) Sdn Bhd



31 October 2014
Sambutan Hari Integriti & Inovasi LAS 2014



01 November 2014
Hari Keluarga Lembaga Air Sibu 2014



04 November 2014
Treatment Plant Visit by SMK Bukit Lima



07 November 2014
Sidang Akhbar Lembaga Air Sibu

27 & 28 October 2014
Bengkel Pengurusan Kewangan Peribadi oleh
Agensi Kaunseling & Pengurusan Kredit (AKPK)



30 October 2014
Pengurusan Stress oleh Hospital Sibu



31 October 2014
Taklimat Pekerja Tiang Seri Negara Oleh CUEPACS



31 October 2014
Board Meeting No. 206



04 November 2014
Visit by Pustaka Negeri Sarawak



06 November 2014
Treatment Plant Visit by UNIMAS



08 November 2014
SS Big Cleaning Day





CHRONOLOGICAL EVENTS OF THE YEAR

14 November 2014

Treatment Plant Visit by Jabatan
Kemajuan Masyarakat (KEMAS)



20 November 2014

Treatment Plant Visit by
Tadika Mah Pick Choo



21 November 2014

Treatment Plant Visit by SJK Sam Lam



24 November 2014

4-Star Rating Award
Accountability Index 2013



24 November 2014

Won Anugerah Perkhidmatan Kaunter Cemerlang



26 November 2014

Treatment Plant Visit by University
College of Technology Sarawak



28 November 2014

Treatment Plant Visit by Pejabat
Pergigian Bahagian Sibü



04 December 2014

Farewell Tea Party to
Encik Openg Omar



08 December 2014

Tanjung Manis Water Supply Phase 1
Utilities Coordination Task Force Meeting



08 December 2014

Briefing on NRW to KETTHA



16 December 2014

Emergency Board Meeting



16 December 2014

Celebrating Chairman's Birthday



19 December 2014

Taklimat Pemanduan Berhemah oleh Jabatan
Pengangkutan Jalan (JPJ) Cawangan Sibü





LAPORAN TAHUNAN
ANNUAL REPORT

2014

ANNUAL DINNER 2014





Hari Keluarga LAS 2014



Minggu Integriti dan Inovasi LAS 2014





LAPORAN TAHUNAN ANNUAL REPORT 2014



5S Big Cleaning Day

Opening Ceremony on Sedidik



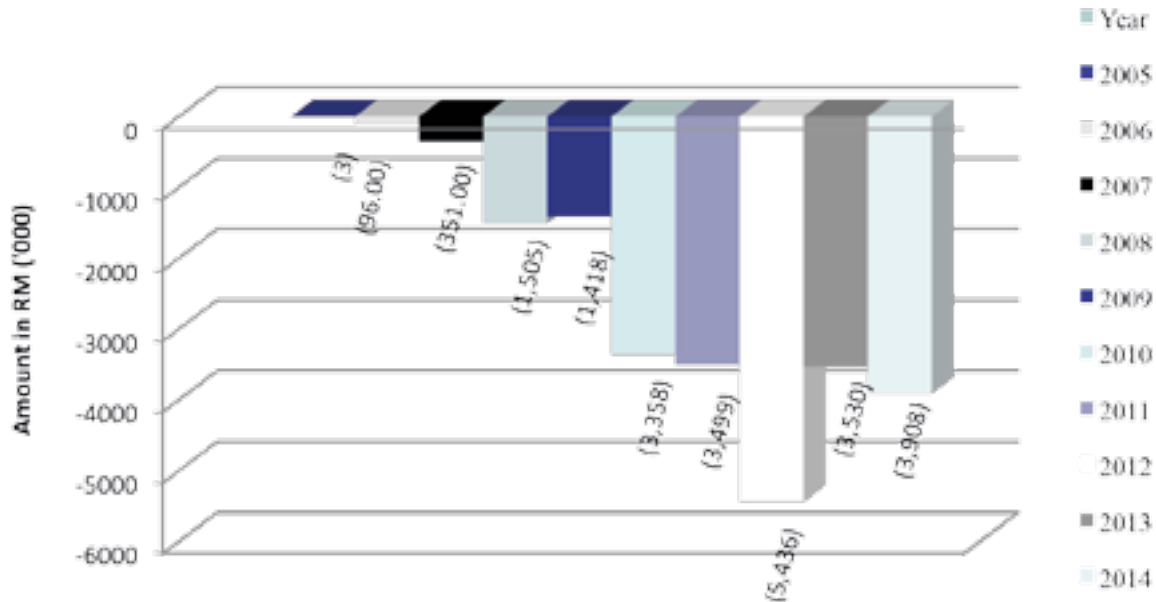
Educational Visit to Laku Management

Treatment Plant Open Day 2014

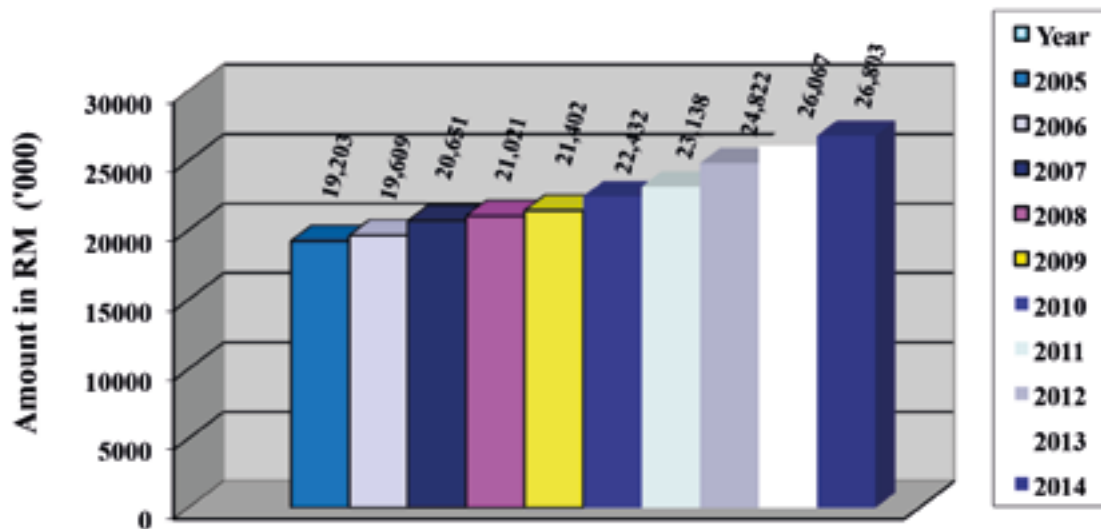


FINANCIAL STATISTICS

NET PROFIT (LOSS) BEFORE TAX 2005 - 2014



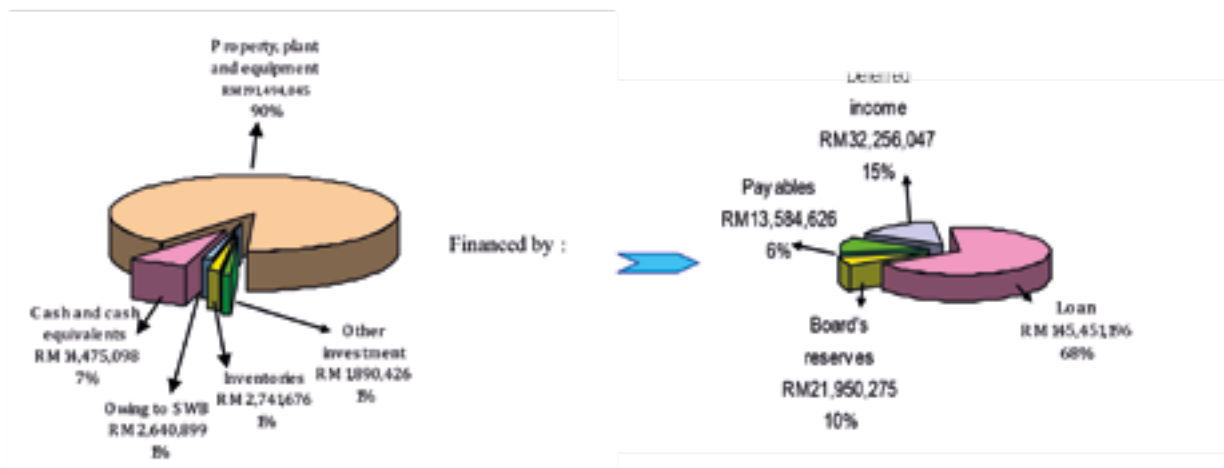
WATER SALES (2005 - 2014)





FINANCIAL STATISTICS

Board's Financial Position as at 31 December 2014



	2010	2011	2012	2013	2014
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BASIC STATISTIC

Revenue from water sales (RM'000)	22,424	23,138	24,822	26,069	26,803
Total revenue (RM'000)	27,541	28,549	30,188	32,895	34,651
Total expenditure (RM'000)	30,899	32,048	35,624	36,425	38,559
Net (Loss) before taxation (RM'000)	(3,358)	(3,499)	(5,436)	(3,530)	(3,908)
Net (Loss) after taxation (RM'000)	(3,360)	(3,501)	(5,437)	(3,532)	(3,908)
Average cost of water (Sen per '000 Litres)	98	98	105	99	101
Total assets (RM'000)	212,444	206,109	209,840	213,103	213,242
Long term loan (RM'000)	113,501	121,509	119,112	135,902	145,451
Equity/Reserves (RM'000)	38,329	34,827	29,391	25,857	21,950

PERFORMANCE RATIO

Net Revenue Ratio (before tax)	-12.19%	-12.26%	-18.01%	-10.73%	-11.28%
Current Ratio	1.07	1.58	0.61	1.22	2.06
Return on Total Assets	-1.58%	-1.70%	-2.59%	-1.66%	-1.83%
Long Term Debt/ Equity	2.96	3.49	4.05	5.26	6.63



FINANCIAL STATISTICS

Financial Highlights

	2014	2013	Change
	(RM'000)	(RM'000)	
Revenue & Expenditure			
Income from Water Sales	26,803	26,069	2.82%
Other Income	7,848	6,826	14.97%
Total Income	34,651	32,895	5.34%
Total Expenditure	38,559	36,425	5.86%
Net Loss before Interest & taxation	(3,908)	(3,530)	10.71%
Taxation	-	2	-100.00%
Net Revenue after Interest & taxation	(3,908)	(3,532)	10.65%

	2014		2013		Change
	(RM'000)	%	(RM'000)	%	
Total Expenditure					
Cost of Production	15,122	39.22	14,109	38.73	+7.18%
Distribution and Selling	15,007	38.92	13,969	38.35	+7.43%
Administration	8,314	21.56	8,239	22.62	+0.91%
Others	116	0.30	108	0.30	+7.41%
	38,559	100	36,425	100	+5.86%

	2014		2013		Change
	(RM'000)	%	(RM'000)	%	
Capital Expenditure					
Headworks	-	0.00	-	0.00	N/A
Booster station	-	0.00	1,322	9.12	N/A
Mains	9,208	63.71	7,399	51.02	+24.45%
GIS & its related application software	3,536		1,275		
Meters	89	0.62	664	4.58	-86.60%
Communication Pipes	829	5.74	1,160	8.14	-29.75%
Mechanical Plant and Vehicles	173	1.20	-	0.00	N/A
Workshop, Field & Treatment Plant Equipment	185	1.28	1,134	7.82	-83.69%
Store & Office Equipment	284	1.97	725	5.00	-60.83%
Land & Buildings	148	1.02	802	5.53	-81.55%
	14,452	76	4,501	91	-0.34%

	2014	2013	Change
	(RM'000)	(RM'000)	
Assets & Capital Requirements			
Total Assets at the End of the Year	213,242	213,104	0.06%
Total Liabilities at the End of the Year	159,036	158,838	0.12%
Total Net Assets	54,206	54,266	-0.11%



FINANCIAL STATISTICS

SIBU WATER BOARD

INCORPORATED UNDER THE WATER ORDINANCE 1994

(CHAPTER 13, LAWS OF SARAWAK)

STATEMENT BY CHAIRMAN AND A BOARD MEMBER

We, **HJ. UBAIDILLAH BIN HJ. ABDUL LATIP** and **NICHOLAS SIA**, being Chairman and one of the Board Members of **SIBU WATER BOARD**, do hereby state that, in the opinion of the Board Members, the accompanying Balance Sheet, Income Statement, Statement of Changes In Equity and Cash Flow Statement, together with the notes thereon are prepared so as to give a true and fair view of the state of affairs of **SIBU WATER BOARD** as at 31st December 2014 and of the results of its operations and changes in its financial positions for the year ended on that date.

On behalf of the Board

NAME: **HJ. UBAIDILLAH BIN HJ. ABDUL LATIP**

TITLE: **CHAIRMAN**

DATE: **27 MAR 2015**

PLACE: **SIBU**

On behalf of the Board

NAME: **NICHOLAS SIA**

TITLE: **MEMBER**

DATE: **27 MAR 2015**

PLACE: **SIBU**



FINANCIAL STATISTICS

SIBU WATER BOARD


INCORPORATED UNDER THE WATER ORDINANCE 1994

(CHAPTER 13, LAWS OF SARAWAK)

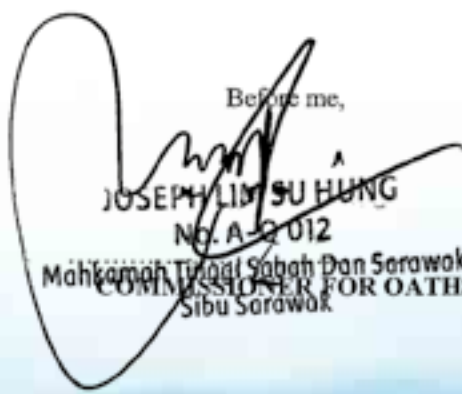
**STATUTORY DECLARATION BY THE OFFICER PRIMARILY RESPONSIBLE
FOR THE FINANCIAL MANAGEMENT OF SIBU WATER BOARD**

I, **DANIEL WONG PARK ING**, the officer primarily responsible for the financial management and accounting records of **SIBU WATER BOARD**, do hereby solemnly and sincerely declare that the accompanying Balance Sheet, Income Statement, Statement of Changes In Equity and Cash Flow Statement, together with the notes thereto, to the best of my knowledge and belief, are correct and I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Statutory Declarations Act, 1960.

Subscribed and solemnly declared by)
the abovenamed at **SIBU** in the State)
of Sarawak on this day of)
27 MAR 2015)

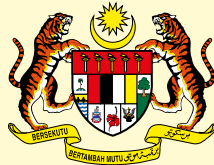

.....
GENERAL MANAGER
SIBU WATER BOARD
SIBU



Before me,

JOSEPH LIM SU HUNG
NO. A-0 012
Mahkamah Tinggi Sabah Dan Sarawak....
COMMISSIONER FOR OATHS
Sibu Sarawak



FINANCIAL STATISTICS



**LAPORAN KETUA AUDIT NEGARA
MENGENAI PENYATA KEWANGAN
LEMBAGA AIR SIBU
BAGI TAHUN BERAKHIR 31 DISEMBER 2014**

Laporan Mengenai Penyata Kewangan

Penyata Kewangan Lembaga Air Sibu bagi tahun berakhir 31 Disember 2014 telah diaudit oleh wakil saya yang merangkumi Lembaran Imbangan Pada 31 Disember 2014 dan Penyata Pendapatan, Penyata Perubahan Dalam Ekuiti serta Penyata Aliran Tunai bagi tahun berakhir pada tarikh tersebut, ringkasan polisi perakaunan yang signifikan dan nota penjelasan lain.

Tanggungjawab Lembaga Pengarah Terhadap Penyata Kewangan

Lembaga Pengarah bertanggungjawab terhadap penyediaan dan persembahan penyata kewangan tersebut yang saksama selaras dengan piawaian pelaporan kewangan yang diluluskan di Malaysia dan Ordinan Badan Berkanun (Prosedur Kewangan Dan Perakaunan), 1995 (Pindaan 2004). Lembaga Pengarah juga bertanggungjawab terhadap kawalan dalaman yang ditetapkan perlu oleh pengurusan bagi membolehkan penyediaan penyata kewangan yang bebas daripada salah nyata yang ketara sama ada disebabkan oleh fraud atau kesilapan.

Tanggungjawab Juruaudit

Tanggungjawab saya adalah memberi pendapat terhadap penyata kewangan tersebut berdasarkan pengauditan yang dijalankan. Pengauditan telah dilaksanakan mengikut Akta Audit 1957 dan piawaian pengauditan yang diluluskan di Malaysia. Piawaian tersebut menghendaki saya mematuhi keperluan etika serta merancang dan melaksanakan pengauditan untuk memperoleh jaminan yang munasabah sama ada penyata kewangan tersebut bebas daripada salah nyata yang ketara.



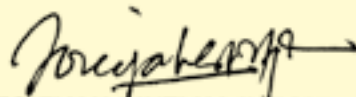
FINANCIAL STATISTICS

Pengauditan meliputi pelaksanaan prosedur untuk memperoleh bukti audit mengenai amaun dan pendedahan dalam penyata kewangan. Prosedur yang dipilih bergantung kepada pertimbangan juruaudit, termasuk penilaian risiko salah nyata yang ketara pada penyata kewangan sama ada disebabkan oleh fraud atau kesilapan. Dalam membuat penilaian risiko tersebut, juruaudit mempertimbangkan kawalan dalaman yang bersesuaian dengan entiti dalam penyediaan dan persembahan penyata kewangan yang memberi gambaran yang benar dan saksama bagi tujuan merangka prosedur pengauditan yang bersesuaian tetapi bukan untuk menyatakan pendapat mengenai keberkesanan kawalan dalaman entiti tersebut. Pengauditan juga termasuk menilai kesesuaian polisi perakaunan yang diguna pakai dan kemunasabahan anggaran perakaunan yang dibuat oleh pengurusan serta persembahan penyata kewangan secara menyeluruh.

Saya percaya bahawa bukti audit yang saya peroleh adalah mencukupi dan bersesuaian untuk dijadikan asas bagi pendapat audit saya.

Pendapat

Pada pendapat saya, penyata kewangan ini memberikan gambaran yang benar dan saksama mengenai kedudukan kewangan Lembaga Air Sibu pada 31 Disember 2014 dan prestasi kewangan serta aliran tunai bagi tahun berakhir pada tarikh tersebut selaras dengan piawaian pelaporan kewangan yang diluluskan di Malaysia.


(TOIEYAH BINTI HAJI IOH)
b.p. KETUA AUDIT NEGARA
MALAYSIA

KUCHING
TARIKH: 09 JUL 2015





FINANCIAL STATISTICS

SIBU WATER BOARD BALANCE SHEET AS AT 31 DECEMBER, 2014

	Note	2014 RM	2013 RM
NON CURRENT ASSETS			
Property, plant and equipment	5	191,494,046	189,870,462
Other investment	6	1,890,426	1,890,426
		<u>193,384,472</u>	<u>191,760,888</u>
CURRENT ASSETS			
Inventories	7	2,741,676	3,487,237
Trade receivables	8	1,683,752	2,363,370
Other receivables	9	921,665	1,203,772
Tax refundable	10	35,482	35,482
Fixed deposits	11	10,190,549	10,403,460
Cash in hand and at bank		4,284,549	3,850,518
		<u>19,857,673</u>	<u>21,343,839</u>
CURRENT LIABILITIES			
Term loans	12	10,608,685	7,935,366
Trade payables	13	4,176,000	1,653,365
Other payables	14	9,000,481	7,974,741
		<u>23,785,166</u>	<u>17,563,472</u>
NET CURRENT (LIABILITY)/ASSETS		<u>(3,927,493)</u>	<u>3,780,367</u>
		<u>189,456,979</u>	<u>195,541,255</u>
FINANCED BY:			
EQUITY			
Vested assets reserve	16	813,534	813,534
General reserve		21,136,743	25,044,286
Deferred income	17	32,256,047	33,408,790
		<u>54,206,324</u>	<u>59,266,610</u>
NON-CURRENT LIABILITIES			
Long term loans	12	134,842,511	135,902,783
Provision for employees' benefit	15	408,144	371,862
		<u>135,250,655</u>	<u>136,274,645</u>
		<u>189,456,979</u>	<u>195,541,255</u>



FINANCIAL STATISTICS

**SIBU WATER BOARD
INCOME STATEMENT
FOR THE PERIOD ENDED 31 DECEMBER, 2014**

	Note	2014 RM	2013 RM
Revenue	18	26,803,349	26,069,662
Cost of production	19	<u>(15,122,357)</u> 11,680,992	<u>(14,109,381)</u> 11,960,281
Other operating income	20	7,848,159	6,825,440
Distribution and selling expenses	21	(15,007,194)	(13,968,368)
Administration expenses	22	(8,313,581)	(8,239,319)
Other operating expenses	23	<u>(115,919)</u>	<u>(108,303)</u>
Loss before taxation		(3,907,543)	(3,530,269)
Deduct: Income tax expense	24	<u>-</u>	<u>(2,462)</u>
Net loss for the year		<u><u>(3,907,543)</u></u>	<u><u>(3,532,731)</u></u>



FINANCIAL STATISTICS

**SIBU WATER BOARD
STATEMENT OF CHANGES IN EQUITY
FOR THE PERIOD ENDED 31 DECEMBER, 2014**

	Vested Assets Reserve RM	General Reserve RM	Total RM
Balance as at 31 December 2012	813,534	28,577,017	29,390,551
Net loss for the year	<u>-</u>	<u>(3,532,731)</u>	<u>(3,532,731)</u>
Balance as at 31 December 2013	813,534	25,044,286	25,857,820
Net loss for the year	<u>-</u>	<u>(3,907,543)</u>	<u>(3,907,543)</u>
Balance as at 31 December 2014	<u>813,534</u>	<u>21,136,743</u>	<u>21,950,277</u>



FINANCIAL STATISTICS

SIBU WATER BOARD CASH FLOW STATEMENT FOR THE PERIOD ENDED 31 DECEMBER, 2014

	2014 RM	2013 RM
CASH FLOW FROM OPERATING ACTIVITIES		
Loss before taxation	(3,907,543)	(3,530,269)
Adjustments for:		
Depreciation of property, plant and equipment	13,655,593	12,966,478
Amortisation of capital contributions	(5,674,930)	(5,047,295)
Inventories debts written off	-	29,998
Bad debt written off	-	2,726
Gains on disposal of property, plant and equipment	(117,020)	(120,388)
Gains on Disposal of Investment	-	(201,642)
Interest income	(399,703)	(240,151)
Dividend income	(40,000)	(109,676)
Provision for employees' benefit	88,622	54,356
	<u>7,512,562</u>	<u>7,334,406</u>
Operating gain before working capital changes	3,605,019	3,804,137
Decrease/(Increase) in inventories	745,561	(574,213)
Decrease in trade receivables	679,618	543,475
Decrease/(Increase) in other receivables	362,939	(216,040)
Increase in trade payables	3,849,851	1,004,582
Increase in other payables	982,406	601,022
	<u>6,620,375</u>	<u>1,358,826</u>
Cash generated from operating activities	10,225,394	5,162,963
Less: Provision for employees' benefit paid	(52,340)	(12,208)
Add: Tax Refundable	-	-
Net cash generated from operating activities	10,173,054	5,150,755
CASH FLOW FROM INVESTING ACTIVITIES		
Dividend received	40,000	107,214
Grants and capital contributions received	4,520,071	3,460,292
Disbursement of employee loans	(263,700)	(275,700)
Loan repayment received from employees	194,545	189,250
Proceeds from disposal of fixed assets	117,020	123,571
Purchase of property, plant & equipment	(16,563,059)	(24,162,767)
Sale of Investment- ASSAR	-	3,360,707
Interest received	390,142	242,250
Net cash used in investing activities	(11,564,981)	(16,955,183)
CASH FLOW FROM FINANCING ACTIVITIES		
Proceeds from term loan	7,274,607	20,983,585
Repayment of term loan	(5,661,560)	(4,097,113)
Net cash generated from financing activities	1,613,047	16,886,472
Net increased in cash and cash equivalents	221,120	5,082,044
Cash and cash equivalents brought forward	14,253,978	9,171,934
Cash and cash equivalents carried forward	14,475,098	14,253,978
Cash and cash equivalents consists of:		
Cash at bank and in hand	4,284,549	3,850,518
Fixed deposits	10,190,549	10,403,460
	<u>14,475,098</u>	<u>14,253,978</u>



FINANCIAL STATISTICS

SIBU WATER BOARD NOTES TO THE FINANCIAL STATEMENTS

1. PRINCIPAL ACTIVITIES

The principal activities of the Board are the production, distribution and supply of potable water within the limit of the approved areas of supply.

2. BASIS OF PREPARATION OF THE FINANCIAL STATEMENTS

The financial statements of the Board have been prepared in accordance with MASB Approved Private Entity Reporting Standards (PERS) in Malaysia.

3. DATE OF AUTHORISATION FOR ISSUE

The financial statements were authorised for issue by the Board on 27th March 2015.

4. SIGNIFICANT ACCOUNTING POLICIES

4.1 Basis of accounting

The financial statements of the Board have been prepared on the basis of the historical cost convention, unless otherwise stated.

4.2 Revenue recognition

Revenue from sales of water is recognised based on metered usage upon delivery of the water.

Interest income from placement of fixed deposits with approved financial institutions is accrued on a time-apportioned basis.

Dividend income is recognised in the income statement when the shareholder's right to receive payment is established.

4.3 Thresholds for capitalisation of capital expenditure

The threshold for capitalisation of capital expenditure is RM500. Capital expenditure below the threshold is expensed off in the income statement.

4.4 Property, plant and equipment and depreciation

Freehold land is not depreciated. Leasehold land is amortised over the term of their respective lease periods. Depreciation on other property, plant and equipment is calculated to write off the cost of the assets to their respective residual values on a straight line basis over their expected useful lives. All other property, plant and equipment are stated at historical cost less accumulated depreciation and impairment losses. The principal annual depreciation rates for the other assets are as follows:-

Buildings	4%
Communication pipes	5%
Furniture and fittings	10%
Headworks, booster stations and mains	2%-4%
Meters	10%
Office and store equipment	20%
Plant and machineries	20%
Workshop and field equipment	10%

Fully depreciated assets are retained in the accounts at a nominal value of RM1.00 until they are no longer in use and no further charge of depreciation is made in respect of these assets.

4.5 Research and development study

Expenditure on research activities, undertaken with the prospect of gaining new scientific or technical knowledge and understanding, is recognized in the income statement as an expense as incurred. Expenditure on development activities, whereby the application research findings are applied to a plan or design for the production of new or substantially improved products and processes, is capitalized only if development costs can be measured reliably, the product or process is technically feasible, future economic benefits are probable and the Board has sufficient resources to complete the development and to use the asset. Capitalised development costs are recognized as intangible assets and amortised from the point at which the asset is ready for use on a straight-line basis over its useful life.



FINANCIAL STATISTICS

4. SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

4.6 Deferred income

Consumers are required to contribute towards the cost of revenue earning capital projects. These contributions together with government grants in respect of capital expenditure are credited to the deferred income account and released to the income statement on a straight line basis over the expected useful lives of the assets except for those relating to projects not yet completed.

4.7 Inventories

Inventories comprising pipes, spare parts and chemicals are stated at lower of cost and net realisable value. Cost is determined using first-in, first-out.

4.8 Work-in-progress

Work-in-progress is valued at cost and where appropriate includes supervisory and other overhead expenses. Work-in-progress shall be capitalised when the asset is substantially functional and the date of capitalisation shall be the date of handing over to the Sibu Water Board.

4.9 Cash and cash equivalents

Cash and cash equivalents represent cash balances and deposits with financial institutions.

4.10 Receivables

Receivables are measured at anticipated realisable values. Appropriate allowance for estimated irrecoverable amounts are recognised in income statement.

4.11 Payables

Payables are stated at cost which is the consideration to be paid in the future for goods and services rendered.

4.12 Impairment of assets

At each balance sheet date, the Board assess whether there is any indication that an asset may be impaired. If any such indication exists, the recoverable amounts of the assets are estimated.

4.13 Income taxes

Income tax on the profit or loss for the year comprises current and deferred tax. Current tax is the expected amount of income taxes payable in respect of the taxable profit for the year and is measured using the tax rates that have been enacted at the balance sheet date.

Deferred tax is provided for, using the liability method, on temporary differences at the balance sheet date between the tax bases of assets and liabilities and their carrying amounts in the financial statements. In principle, deferred tax liabilities are recognised for all taxable differences and deferred tax assets are recognised for all deductible temporary differences, unused tax losses to the extent that it is probable that taxable profit will be available against which the deductible temporary differences and unused tax losses can be utilised. Temporary differences are not recognised for initial recognition of assets and liabilities that at the time of transaction, affects neither accounting nor taxable profit.

4.14 Employee benefits

(i) Short-term benefits

Wages, salaries, bonuses and social security contributions are recognised as an expense in the year in which the associated services are rendered by employees of the Board. Short-term accumulating compensated absences, such as paid annual leave are recognised when services rendered by employees that increases their entitlement to future compensated absences; and short-term non-accumulating compensated absences, such as sick leave are recognised when the absences occur.

(ii) Defined contribution plan

As required by law, the Board makes contributions to the 'Skim Pencen Perkhidmatan Awam' and the Employee Provident Fund respectively. Such contributions are recognised as an expense in the income statement as incurred.



FINANCIAL STATISTICS

5. PROPERTY, PLANT AND EQUIPMENT

2014							
	Land RM	Buildings, Furniture & Fittings RM	Headworks, Booster Stations & Mains RM	Meters & Pipes RM	Plant, Machineries & Equipment RM	Work in Progress RM	Total RM
Cost							
As at 1st January	6,036,848	10,498,526	298,549,883	25,467,770	31,376,509	1,510,253	373,439,789
Additions	-	168,997	9,207,603	1,803,794	4,131,760	-	15,312,154
Transfer	-	261,853	(3,786,829)	-	937,745	3,882,089	1,294,858
Disposal 2014	-	-	-	(554,756)	(260,422)	(1,294,859)	(2,110,037)
Expense Off	-	-	-	-	-	(30,032)	(30,032)
As at 31st December	6,036,848	10,929,376	303,970,657	26,716,808	36,185,592	4,067,451	387,906,732
Accumulated depreciation							
As at 1st January	1,872,445	6,802,005	139,790,495	14,143,028	20,961,354	-	183,569,327
Additions	101,477	398,693	9,092,660	1,294,114	2,768,648	-	13,655,592
Disposal	-	-	-	(551,889)	(260,344)	-	(812,233)
As at 31st December	1,973,922	7,200,698	148,883,155	14,885,253	23,469,658	-	196,412,686
Net book value							
As at 31st December	4,062,926	3,728,678	155,087,502	11,831,555	12,715,934	4,067,451	191,494,046
2013							
	Land RM	Buildings, Furniture & Fittings RM	Headworks, Booster Stations & Mains RM	Meters & Pipes RM	Plant, Machineries & Equipment RM	Work in Progress RM	Total RM
Cost							
As at 1st January	6,036,848	9,963,490	275,470,819	24,355,053	29,887,769	15,136,347	360,850,326
Additions	-	807,889	8,721,256	1,844,792	3,127,540	-	14,501,477
Transfer	-	(272,853)	14,357,808	-	(941,315)	1,294,860	14,438,500
Disposal 2013	-	-	-	(732,075)	(697,485)	(14,438,498)	(15,868,058)
Expense Off	-	-	-	-	-	(482,456)	(482,456)
As at 31st December	6,036,848	10,498,526	298,549,883	25,467,770	31,376,509	1,510,253	373,439,789
Accumulated depreciation							
As at 1st January	1,770,968	6,418,383	130,869,510	13,644,555	19,325,813	-	172,029,229
Additions	101,477	383,622	8,920,985	1,230,543	2,329,848	-	12,966,475
Disposal	-	-	-	(732,070)	(694,307)	-	(1,426,377)
As at 31st December	1,872,445	6,802,005	139,790,495	14,143,028	20,961,354	-	183,569,327
Net book value							
As at 31st December	4,164,403	3,696,521	158,759,388	11,324,742	10,415,155	1,510,253	189,870,462



FINANCIAL STATISTICS

	2014 RM	2013 RM
6. OTHER INVESTMENT		
Shares in Amanah Saham Sarawak – at cost	1,890,426	1,890,426
Market value at RM2,000,000.00		
7. INVENTORIES	2014 RM	2013 RM
Pipes & fittings	2,610,913	3,212,783
Chemicals	130,763	274,454
	<u>2,741,676</u>	<u>3,487,237</u>
8. TRADE RECEIVABLES	2014 RM	2013 RM
Water sales debtors	<u>1,683,752</u>	<u>2,363,370</u>
9. OTHERS RECEIVABLES	2014 RM	2013 RM
Sundry debtors-service done	56,055	64,281
Sundry debtors-installments	92,183	90,067
Installment Settlement	578	108
Sundry debtors-adv. for ferry charges	300	300
Sundry debtors-gas cylinder deposit	120	120
Sundry debtors-Staff (general)	1,057	150
Sundry debtors- Bank Simpanan Nasional	-	103,253
Interest receivable	40,018	30,457
Prepayment	90,531	70,110
Sundry debtors – miscellaneous	50,671	47,476
Sundry debtors- SiliconNet Technology	12,023	10,607
Special advance to employee	542,463	473,308
Debtors clearing account	25,980	18,649
CIMB Bank – Credit card payment	9,636	8,738
Deposit Claim	-	3,424
Suspense miscellaneous	-	282,724
Payroll clearing	50	-
	<u>921,665</u>	<u>1,203,772</u>
10. TAX REFUNDABLE		
Tax refundable represents the tax overpayment to Inland Revenue Board.		
11. FIXED DEPOSITS	2014 RM	2013 RM
With Government approved financial institutions	<u>10,190,549</u>	<u>10,403,460</u>



FINANCIAL STATISTICS

12.	TERM LOANS	2014 RM	2013 RM
12.1	Sarawak Government Loan (Unsecured Interest-free RM36.00 million) - to finance Sibu Water Board's Big Leap Development project - repayable in 17 annuities commencing in 1997	3,352,941	5,470,588
12.2	Sarawak Government Loan (Unsecured Interest-free RM4.50 million) - to part finance the implementation Rural Water Supply Projects - repayable in 20 annuities commencing in 1999	900,000	1,350,000
12.3	Sarawak Government Loan (Unsecured Interest-free RM4.10 million) - to part finance the implementation Rural Water Supply Projects - repayable in 20 annuities commencing in 2005	1,956,033	2,151,637
12.4	Sarawak Government Loan (Unsecured Interest-free RM5.00 million) - to part finance the Upgrading Of Pipelines Along Lanang Road. - repayable in 17 annuities commencing in 2004	1,764,706	2,058,824
12.5	Sarawak Government Loan (Unsecured Interest-free RM9.00 million) - to part finance Sibu New Township Water Supply Project. - repayable in 20 annuities commencing in 2005	1,370,488	1,507,536
12.6	Sarawak Government Loan (Unsecured Interest-free RM8.00 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil Negeri Sarawak" - repayable in 20 annuities commencing in 2007	5,200,000	5,200,000
12.7	Sarawak Government Loan (Unsecured Interest-free RM20.00 million) - to part finance "Projek Pembinaan Loji Salim Fasa II, Sibu" - repayable in 20 annuities commencing in 2009	17,000,000	17,000,000
12.8	Sarawak Government Loan (Unsecured Interest-free RM6.26 million) - to part finance "Projek Sistem Agihan Air Bandar Sibu, Sarawak" - repayable in 20 annuities commencing in 2009	2,810,737	3,011,504
12.9	Sarawak Government Loan (Unsecured Interest-free RM2.54 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil (NRW), Negeri Sarawak" - repayable in 20 annuities commencing in 2009	1,777,019	1,903,949
12.10	Sarawak Government Loan (Unsecured Interest-free RM62.58 million) - to part finance "Pembinaan Loji Salim Fasa II, Sarawak" - repayable in 20 annuities commencing in 2011	54,795,787	54,795,787
12.11	Sarawak Government Loan (Unsecured Interest-free RM62.58 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil Negeri (NRW), Negeri Sarawak" - repayable in 20 annuities commencing in 2012	12,600,000	14,000,000
12.12	Sarawak Government Loan (Unsecured Interest-free RM1.70 million) - to part finance "Pembinaan Loji Salim Fasa II, Negeri Sarawak"	1,525,293	1,704,739
12.13	Sarawak Government Loan (Unsecured Interest-free RM1.5 million) - to part finance "Masterplan Study, Negeri Sarawak"	1,500,000	1,500,000
12.14	Sarawak Government Loan (Unsecured Interest-free RM11.2 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil Negeri (NRW), Negeri Sarawak"	10,640,000	11,200,000
12.15	Sarawak Government Loan (Unsecured Interest-free RM14.00 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil Negeri (NRW), Negeri Sarawak"	14,000,000	14,000,000
12.16	Sarawak Government Loan (Unsecured Interest-free RM19.8 million) - to part finance "Program Mengurangkan Kadar Kehilangan Air Tak Terhasil Negeri (NRW), Negeri Sarawak"	6,296,894	2,948,585
		137,489,898	139,803,149



FINANCIAL STATISTICS

12. TERM LOANS (CONT'D)	2014 RM	2013 RM
Balance brought forward from Page 14	137,489,898	139,803,149
12.17 Sarawak Government Loan (Unsecured Interest-free RM3.53 million) - to part finance "Program System Improvement"	3,530,000	3,530,000
12.18 Sarawak Government Loan (Unsecured Interest-free RM1.15 million) - to part finance "Program Renewal High Level Tank"	505,000	505,000
12.19 Sarawak Government Loan (Unsecured Interest-free RM6 million) - to part finance "Membaikpulih Sistem Agihan"	3,926,298	-
	<hr/>	<hr/>
	145,451,196	143,838,149
Repayment due within 12 months	(10,608,685)	(7,935,366)
	<hr/>	<hr/>
	134,842,511	135,902,783
	<hr/>	<hr/>
13. TRADE PAYABLES		
The Board has the commitment to make payment to trade creditors within 14 days. However, bills from regular suppliers and vendors are accumulated for bulk payment; they are usually being paid only once in a month.		
14. OTHER PAYABLES	2014 RM	2013 RM
Sundry creditors & accrual	57,797	113,624
Staff claims account	11,746	7,555
Deposit claims	7,555	-
Suspense – miscellaneous credits	260,908	-
Performance surety	808,573	521,420
Retention money	629,836	517,471
Unclaimed money	6,824	4,457
Collateral deposits from consumers	7,029,613	6,661,574
Security deposit	158,252	-
Collateral deposit suspense account	9,960	13,500
Rental deposit	-	110,264
Cancelled cheque suspense account	3,054	1,221
CIMB (Bill collection)	3,232	-
Sundry debtors - POS Malaysia Bhd	13,131	23,655
	<hr/>	<hr/>
	9,000,481	7,974,741
	<hr/>	<hr/>
15. PROVISION FOR EMPLOYEE BENEFITS	2014 RM	2013 RM
Balance as at 1st January	371,862	329,714
Provision during the year	88,622	54,356
Utilization of provision during the year	(52,340)	(12,208)
	<hr/>	<hr/>
Balance at 31st December	408,144	371,862
	<hr/>	<hr/>
At 31st December		
Current	52,340	-
	<hr/>	<hr/>
Non Current:		
- Later than 1 year but not later than 2 years	84,655	55,124
- Later than 2 years but not later than 5 years	147,591	198,697
- Later than 5 years	123,558	118,041
	<hr/>	<hr/>
	408,144	371,862
	<hr/>	<hr/>



FINANCIAL STATISTICS

16. VESTED ASSETS RESERVE

The reserve represents the following assets taken over from JKR by the Board when it was incorporated on 1st January, 1959:

	<u>Cost taken over at</u> <u>01.01.1959</u> RM	<u>Accumulated Depreciation</u> <u>to 31.12.1958</u> RM	<u>Net value taken over as</u> <u>at 01.01.1959</u> RM
<u>Fixed Assets</u>			
Headworks	225,495	118,501	106,994
Mains	857,314	362,743	494,571
Meters	119,242	28,355	90,887
Communication Pipes	48,480	2,424	46,056
Workshop Equipment	3,950	420	3,530
Office Equipment	4,000	800	3,200
Staff Housing	15,500	9,200	6,300
	<u>1,273,981</u>	<u>522,443</u>	<u>751,538</u>
<u>Current Assets</u>			
Stock of Materials	61,043	-	61,043
Water Sales Debtors	953	-	953
	<u>61,996</u>	<u>-</u>	<u>61,996</u>
	<u>1,335,977</u>	<u>522,443</u>	<u>813,534</u>

17. DEFERRED INCOME

Deferred income represents capital contributions received and receivable from customers towards the cost of capital projects and government grants received; and is analysed as follows:

	2014 RM	2013 RM
Balance as at 1 st January	33,408,790	35,001,806
Additions during the year	2,522,187	2,614,279
Amortisation	(3,674,930)	(3,707,295)
Refund grant – Feasibility Study for Tanjung Manis Water Supply	-	(500,000)
Balance as at 31 st December	<u>32,256,047</u>	<u>33,408,790</u>

Capital contributions received from customers in 2014 amounted to RM1,365,393 (2013: RM1,389,209). The capital contributions and grants amortised amounted to RM2,647,768 (2013: RM2,747,669) and RM1,027,161 (2013: RM959,626) respectively. The annual amortisations for the deferred income are as follows:

(i) Capital contribution for communications pipes	5%
(ii) Capital contribution for mains and headworks	4%
(iii) Grants from Government for rural water supply project	4%
(iv) Grants from Ministry of Health for fluoridation program	10%



FINANCIAL STATISTICS

18. REVENUE	2014 RM	2013 RM
Water sales	26,803,349	26,069,662
19. COST OF PRODUCTION	2014 RM	2013 RM
Salary	1,536,600	1,496,530
Electricity	4,007,467	3,740,083
Chemicals	2,331,095	2,016,661
Water Examination	131,027	168,941
Headwork maintenance	703,047	744,965
Pump maintenance	988,906	770,741
Miscellaneous	7,955	5,363
Royalty on raw water extracted	505,269	520,244
Depreciation	4,910,991	4,645,853
	15,122,357	14,109,381
20. OTHER OPERATING INCOME	2014 RM	2013 RM
Fee for service	209,207	205,581
Miscellaneous resources	850,569	375,826
Gain on disposal of Unit Trust - ASSAR	-	201,643
Interest from investment	399,703	240,151
Meter rent	443,585	429,580
Capital contribution transfers	5,674,930	5,047,295
Inspection fee	116,090	95,300
Dividend	40,000	109,676
Gain on disposal of property, plant and equipment	114,075	120,388
	7,848,159	6,825,440
21. COST OF DISTRIBUTION AND SELLING	2014 RM	2013 RM
Distribution & Customer Service Salary	2,149,521	1,893,532
Repair and maintenance of pipelines	2,246,984	2,041,939
Maintenance of tanks & reservoirs	72,440	93,518
Network System Maintenance	274,574	120,167
Service of meter	39,726	54,490
Booster station	850,138	791,480
Booster station-M&E	43,456	130,849
Customer service	35,986	5,535
Vehicle running	129,808	147,611
Vehicle running-Salary	450,490	405,511
Reading & billing - Salary	618,287	582,437
Water Bills & records	30,104	36,842
Enforcement	30,204	15,662
Enforcement Salary	275,032	275,457
FIS Miscellaneous	258	1,635
Depreciation	7,733,028	7,344,545
Corporate & Public Affair	27,158	27,158
	15,007,194	13,968,368



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FINANCIAL STATISTICS

22. ADMINISTRATION EXPENSES

	2014 RM	2013 RM
Maintenance & repair (miscellaneous)	105,230	87,141
Maintenance of building structure	216,787	173,245
Maintenance of compound	118,932	126,734
Salary & wages	2,064,572	1,956,503
EPF	67,517	59,438
Pension contribution	863,804	821,926
Transport & traveling	626,622	557,211
Benefit, Incentive & Awards	43,710	8,690
Staff bonus	89,750	505,891
Provision for employees' benefits	88,623	54,356
Office expenses	68,336	76,846
Medical expenses	227,403	283,545
Printing & stationery	68,081	60,569
Electricity	74,643	66,086
Telephone	123,057	121,213
Postage	29,500	26,310
Advertising & publicity	20,471	23,386
Uniforms	85,052	30,814
Store operating	17,202	10,080
Rates & taxes	329,901	360,603
Insurance	129,994	165,795
Management fee- housing loan	187,444	192,392
E.D.P expenses	408,963	303,375
Commission for SBBS collection	156,340	137,853
Security service	848,064	814,389
Staff training	158,300	98,475
Staff social welfare & recreation	27,950	23,614
Entertainment	8,514	7,767
Contingencies	-	-
Traveling – Anggota sukarela 60 regimen	2,464	1,263
Sport activities	7,062	10,058
Quality management system maintenance	33,203	44,846
Depreciation	1,011,574	976,080
Board Members' Education Tour	4,516	2,880
Research & Development Study	-	* 49,945
	<u>8,313,581</u>	<u>8,239,319</u>

23. OTHER OPERATING EXPENSES

	2014 RM	2013 RM
Board Members' remuneration	90,400	47,740
Audit fee	25,519	27,839
Loss on disposal of Fixed Assets	-	29,998
Bad debts written off	-	2,726
	<u>115,919</u>	<u>108,303</u>



FINANCIAL STATISTICS

24. INCOME TAX EXPENSE

	2014 RM	2013 RM
Tax expense for the year	-	2,462

A reconciliation of income tax expense applicable to loss before tax at the statutory tax rate to income tax expense at the effective income tax rate of the Board is as follows:-

	2014 RM	2013 RM
Loss before taxation	(3,907,543)	(3,530,269)
Taxation at Malaysian statutory tax rate of 25%(2013:25%)	(976,886)	(855,174)
Depreciation on non-qualifying property, plant and equipment	372,926	334,562
Expenses relating to exempt income disregard	4,362,312	4,011,304
Non-deductible expenses	9,321	23,371
Income not subject to tax	(8,321,791)	(7,986,836)
Deferred tax assets not recognized during the year	4,554,118	4,475,235
	-	2,462

With effect from year of assessment 2006 onwards, following the Income Tax (Exemption) (No. 22) Order 2006, the YB Minister of Finance exempted the Board from income tax in respect of the followings:

- income relating to the allocations given by the Federal and the State Government in the form of grants or subsidies, and
- the income received in respect of an amount chargeable and collectible from any person in accordance with the provisions of the Act regulating the Board; or
- any donations or contributions received.

25. DEFERRED TAXATION

No deferred tax liabilities and assets have been recognised in respect of the following temporary differences:

	2014 RM	2013 RM
Temporary differences that may give rise to deferred tax liabilities:		
Accelerated capital allowances	93,768,045	88,931,982
	93,768,045	88,931,982
Temporary differences that may give rise to deferred tax assets:		
Unutilised capital allowance	178,606,361	161,652,581
Unutilised tax losses	48,232,708	41,791,117
Provisions	408,144	371,862
	227,247,213	203,815,560



FINANCIAL STATISTICS

25. DEFERRED TAXATION (CONT'D)

Deferred tax assets have not been recognised in respect of these items as the Board may not have taxable profits for which these tax assets can be utilised in the foreseeable future, since the Board is exempted from payment of income tax for most of her income as stated in Note 24 above.

26. CAPITAL COMMITMENTS

	2014 RM	2013 RM
Capital expenditure not taken up in the account - approved and contracted for	1,804,093	560,666

27. STAFF

	2014	2013
Numbers of staff	181	186
Staff Cost	8,906,105	8,665,497

28. COMPARATIVE FIGURES

The following comparative figures have been reclassified to conform with current year's presentation:-

	As previously stated RM	As per restated RM	Difference RM
EQUITY:			
Vested assets reserve	813,534	813,534	-
General reserve	25,044,286	25,044,286	-
Deferred income	-	33,408,790	33,408,790
	<u>25,857,820</u>	<u>59,266,610</u>	<u>33,408,790</u>
NON-CURRENT LIABILITIES			
Long term loans	135,902,783	135,902,783	-
Provision for employees' benefit	371,862	371,862	-
Deferred income	33,408,790	-	33,408,790
	<u>169,683,435</u>	<u>136,274,645</u>	<u>33,408,790</u>



OTHER INFORMATION

Scale Of Water Charges With Effect From 1st January 1992

Classification	Rates
Domestic	
Minimum charge in any one month	RM4.40
1,000 to 15,000 litres in any one month	RM0.48 per 1,000 litres
In excess of 15,000 litres but not exceeding 50,000 litres in any one month	RM0.72 per 1,000 litres
The excess over 50,000 litres in any one month	RM0.76 per 1,000 litres
Domestic/Commercial	
Minimum charge in any one month	RM18.70
1,000 to 25,000 litres in any one month	RM0.83 per 1,000 litres
The excess over 25,000 litres in any one month	RM0.95 per 1,000 litres
Commercial	
Minimum charge in any one month	RM22.00
1,000 to 25,000 litres in any one month	RM0.97 per 1,000 litres
The excess over 25,000 litres in any one month	RM1.06 per 1,000 litres
Special Commercial - Water Processed for sale	
Minimum charge in any one month	RM27.50
1,000 to 25,000 litres in any one month	RM1.21 per 1,000 litres
The excess over 25,000 litres in any one month	RM1.33 per 1,000 litres
Public Standpipes	RM0.43 per 1,000 litres
Water collected at Depot (Customer's transport)	RM0.43 per 1,000 litres
Water to ship	RM1.70 per 1,000 litres

Meter Rents

Dimension Of Meter	Per Month or Part Thereof
15 mm	RM0.55
20 mm	RM1.65
25 mm	RM2.20
30 mm	RM2.75
40 mm	RM3.30
50 mm	RM4.40
80 mm	RM8.80
100 mm	RM11.00
150 mm	RM16.50

Fees

For "Turning On Service"	RM5.50
For "Re-connection" due to non-payment	RM16.50



OTHER INFORMATION

Performance Measure	Key Performance Indicators	Formula	Average
WATER SERVICES PERFORMANCE			
Treated Water Quality			
Treated Water Quality Compliance Rate (% of water quality tests that meet the NDWQ Standards)	WS2/1: (% of water quality tests that meet the NDWQ Standard)	(No. of tests that comply / Total No. of tests carried out) x 100%	
	a. Residue Chlorine		100%
	b. pH		100%
	c. E Coli		100%
	d. Aluminium		100%
	e. Turbidity		100%
	f. Iron		98%
	g. Manganese		100%
	h. Ammonia		100%
	i. Residual Chlorine & E Coli		100%
	WS2/2: Water Quality Index		100%
Sampling Performance	WS3: % of sampling carried out versus scheduled number of sampling	(No. of actual sampling carried out / Total no. of scheduled sampling) x 100	100%
Number of Complaints Index	WS4: No. of complaints relating to drinking water quality received per 1000 accounts	(No. of compliants on DW quality / Total no. of services) x 1000	0.07
Continuity of Water Supply			
Interruption/Restoration of Water Supply Due to Main Burst	WS6/1: The no. of bursts and leaks per km. of mains in the trunk and reticulation system resulting in the drinking water mains being shut down.	Total no. of bursts & leaks in the supply area / Total length of mains in the supply area	0.04
	WS6/2: % restoration of water supply for main bursts effected:	No. of restoration of water supply within respective time frame / Total no. of main bursts x 100%	
	a. Within 6 hours		94.79%
	b. Within 12 hours		99.84%
	c. Within 24 hours		100.00%
	d. more than 24 hours		0.00%
Water Supply Continuity Complaints	WS7: No. of complaints relating to water supply continuity received per 1,000 accounts	No. of complaints on DW Continuity/Total no. of accounts x 1,000	0.28
Frequency/Extent of Water Supply Interruptions	WS8/1: No. of accounts which experienced Planned Water Interruptions where duration is :	No. of accounts affected by Planned Water Interruptions of respective duration /Total no. of accounts x 100%	
	> 1 hr and < 5 hrs		0.85%
	> 5 hrs and < 12 hrs		0.85%
	> 12 hrs and < 24 hrs		0.85%
	> 24 hrs		0.00%
	WS8/2: No. of accounts which experienced unplanned Water Interruptions where duration is :	No. of accounts affected by unplanned Water Interruptions of respective duration /Total no. of accounts x 100%	
	> 1 hr and < 5 hrs		3.23%
	> 5 hrs and < 12 hrs		4.82%
	> 12 hrs and < 24 hrs		5.66%
	> 24 hrs		0.00%
	WS8/3: % of accounts which experienced both Planned & Unplanned interruptions:	Total no. of accounts experiencing water interruptions in the period considered/ Total no. of interruptions in the same period	
	a. average no. accounts experiencing water interruptions		111.60
	b. average time of water interruption	Total water interruption time in the period considered/Total no. of interruptions in the same period	2.60
Water Pressure			
Water Pressure Complaints	WS9: No. of complaints relating to water pressure received per 1,000 accounts	(No. of complaints on water pressure x 1000) / Total no. of accounts	0.40
Frequency/Extent of Water Pressure Failure (% of accounts experiencing a water pressure failure as prescribed where the pressure failure is:)	WS10(a): occasional or recurrent, but not permanent	(No. of accounts affected by occasional/recurrent water pressure failure / Total no. of accounts) x 100%	0.10
	WS10(b): permanent low pressure	(No. of accounts affected by permanent low water pressure / Total no. of accounts) x 100%	0.25
Security of Supply			
Security of Supply	WS11: % of treatment plant reserve margin for supply area	(Effective plant capacity - current actual production)/effective plant capacity x 100%	34%



OTHER INFORMATION

CUSTOMER SERVICE			
Complaints Received	CS1/1: No. per 1000 accounts of complaints received	(Total no. of complaints received in the period concerned / Total no. of accounts in the same period) x 1000	4.4
	CS1/2: No. per 1000 properties of complaints received relating to reliability of supply (i.e. on quality, continuity & pressure)	(Total no. of complaints received in the period concerned / Total no. of accounts in the same period) x 1000	0.75
	CS1/3: No. per 1000 properties of complaints relating to account payments, billing errors and overcharging / undercharging	(Total no. of complaints received in the period concerned / Total no. of accounts in the same period) x 1000	0.27
Complaint Response/Resolution	CS2/1: No of complaints that are resolved	(No. of complaints that are resolved within the respective time frame for the period concerned / Total no. of complaints concerned in the same period) x 100%	
	a. within 1 day		100.00%
	b. within 2 days		100.00%
	c. within 5 days		100.00%
New Service (NS) Connections & Disconnections/Reconnections	CSS3/1: % of NS connections installed after fee payment	No. of NS connections installed within the respective time frame/Total no. of NS Application X 100%	
	a. within 2 day		47.13%
	b. within 4 days		88.63%
	c. within 7 days		100.00%
	CSS3/2/1: % of requested disconnections done	No. of requested disconnections done within the respective time frame/Total no. of disconnections requested x 100%	
	a. within 1 day		73.54%
	b. within 2 days		89.94%
	c. within 3days		100.00%
	CS3/2/2: % of requested reconnections done	No. of requested reconnections done within the respective time frame/Total no. of reconnections requested x 100%	
	a. within 1 day		83.69%
	b. within 2 days		94.37%
	c. within 3days		100.00%
OPERATIONAL PERFORMANCE			
Meter Reader Efficiency	OP1/1: No. of accounts per meter reader	No. of accounts / No. of meter readers	4,496
	OP1/2: No. of accounts actually read/ billed per meter reader	No. of accounts actually read/billed / No. of meter readers	4,496
Staff Efficiency	OP2/1: Staff cost per cu. m water produced (RM)	Staff Cost for period concerned / Volume of water produced for same period	0.17
	OP2/2: No. of accounts per employee	No. of accounts / No. of employees	346
	OP2/3: Water produced per employee (m ³)	Volume of water produced for period concerned / No. of employees	21,440
Energy Efficiency	OP3/1: Organisation Energy cost per cu. m water produced (RM)	Cost of electricity & fuel for whole organisation / Volume of water produced	0.11
	OP3/2: Production Energy cost per cu. m water produced (RM)	Cost of electricity & fuel for production / Volume of water produced	0.08
Chemical Efficiency	OP4: Chemical cost per cu. m water produced (RM)	Cost of chemical/Volume of water produced	0.04
NRW	OP5 Non Revenue Water OP5/1: % of total volume produced	Volume of NRW for period concerned / Total volume delivered from the plant x 100 %	30.5%
	OP5/2: Volume (litres) per connection per day	Volume of NRW for period concerned/(Total no. of connections x No. of days)	620
	OP5/3: Volume (m ³) per km of mains per day	Volume of NRW for period concerned/(Total no. of km of mains x No. of days)	33.1
	OP5/4: Infrastructure leak index	ILI = CARL/UARL	18.4
ENVIRONMENTAL PERFORMANCE			
Effluent Quality	% of quality test that meets prescribed effluent standards	(No. of quality tests that meet effluent standards / Total no. of tests done) x 100%	No Available



OTHER INFORMATION

STATISTICAL ANALYSIS OF TREATED WATER DATA 2014

Tests	Characteristic	Unit	Drinking Water Quality Standards (max. Acceptable level)	Bukit Lima T/P	Salim T/P
Microbiology	Total Coliform	cfu/100 ml	<1	<1	<1
	E. Coli	cfu/100 ml	<1	<1	<1
Group 1	Residual Chlorine (min)	ppm	0.2-5.0	1.36	1.33
	pH		6.5-9.0	7.2	7.3
	Color	TCU	15	0	0
	Turbidity	NTU	5	0.79	0.71
Group 2	Total Dissolved Solids	ppm	1000	33	35
	Total Hardness	ppm	500	19	18
	Ammonia	ppm	1.5	<0.1	<0.1
	Fluoride	ppm	0.4-0.6	0.5	0.5
	Chloride	ppm	250	8	9
	Iron	ppm	0.3	0.03	0.04
	Manganese	ppm	0.1	<0.01	0.01
	Aluminum	ppm	0.2	0.02	0.05
Group 3	Nitrate Nitrogen	ppm	10	<0.5	<0.5
	Arsenic	ppm	0.01	<0.001	<0.001
	Mercury	ppm	0	<0.001	<0.001
	Cadmium	ppm	0	<0.0002	<0.0002
	Lead	ppm	0.01	<0.001	<0.001
	Chromium	ppm	0.05	0.002	0.002
	Silver	ppm	0.05	<0.002	<0.002
	Copper	ppm	1	<0.001	0.002
	Zinc	ppm	3	0.008	0.004
	Magnesium	ppm	150	1.41	1.38
	Sodium	ppm	200	6	6
	Selenium	ppm	0.01	<0.001	<0.001
	Sulphate	ppm	250	<5	<5
	Chloroform	ppm	0.2	0.020	0.031
	Bromoform	ppm	0.1	0.002	0.002
	Dibromochloromethane	ppm	0.1	<0.001	0.001
	Bromodichloromethane	ppm	0.06	<0.001	<0.001
Group 4	alpha-BHC	ppb	-	<0.020	<0.020
	beta-BHC	ppb	-	<0.020	<0.020
	gamma-BHC	ppb	-	<0.020	<0.020
	delta-BHC	ppb	-	<0.020	<0.020
	Heptachlor	ppb	0.03	<0.005	<0.005
	Heptachlor Epoxide	ppb	0.03	<0.005	<0.005
	alpha-endosulfan	ppb	-	<0.020	<0.020
	beta-endosulfan	ppb	-	<0.020	<0.020
	Endosulfan sulfate	ppb	-	<0.020	<0.020
	4,4-DDE	ppb	-	<0.020	<0.020
	4,4-DDD	ppb	-	<0.020	<0.020
	4,4-DDT	ppb	-	<0.020	<0.020
	Aldrin	ppb	0.03	<0.005	<0.005
	Dieldrin	ppb	0.02	<0.005	<0.005
	Endrin	ppb	-	<0.020	<0.020
	Methoxychlor	ppb	20	<0.020	<0.020
	Endrin-Ald	ppb	-	<0.020	<0.020
	Alpha-Chlo	ppb	-	<0.020	<0.020
	Gamma-Chlo	ppb	-	<0.020	<0.020

*Referred to National Guidelines for Drinking Water Quality (revised December 2000, 2nd version, January 2004)

Data extracted from:

- 1) Laporan Panjang Analisis Kimia bagi Sampel Air 2014
- 2) Laporan Pendek Analisis Kimia bagi Sampel Air 2014
- 3) Laporan Keputusan Pemeriksaan Bakteria 2014

All reports received from Jabatan Kimia Malaysia, Sib.

SIBU WATER BOARD'S SUPPLY AREA

