

# OPERATIONS BEGIN

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ANNUAL PROGRESS REPORT

2017

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## ABBREVIATIONS

<b>KVMRT</b>	Klang Valley Mass Rapid Transit
<b>MRT Corp</b>	Mass Rapid Transit Corporation Sdn Bhd
<b>PDP</b>	Project Delivery Partner
<b>Prasarana</b>	Prasarana Malaysia Berhad
<b>SBK Line</b>	MRT Sungai Buloh-Kajang Line
<b>SPAD</b>	Suruhanjaya Pengangkutan Awam Darat
<b>SSP Line</b>	MRT Sungai Buloh-Serdang-Putrajaya Line



# CHAIRMAN'S MESSAGE

**Tan Sri Dr Ali Hamsa**  
Chairman



## Welcome to MRT Corp's Annual Progress Report for the 2017 financial year.

The year was momentous for MRT Corp as the country's the first MRT system, MRT Sungai Buloh-Kajang (SBK) Line, began operations.

This historic moment was the culmination of hard work and close cooperation for six years between all parties in the project - MRT Corp, PDP, Work Package Contractors, Government agencies and others.

The project was delivered on time and with a construction cost that was RM2 billion less than the original target cost of RM23 billion which made it even more commendable.

On behalf of the Board of Directors, I would like to take this opportunity to congratulate and thank everyone involved for their hard work, effort and commitment that made this project such a success.

Indeed, the SBK Line became the pride and joy not only for those in MRT Corp, but for the entire nation. The on-time and below target construction cost completion of the SBK Line served to prove that the Government was and continues to be very serious about implementing and delivering rakyat-centric project which benefit the people.

With construction completed, the SBK Line was handed over to Rapid Rail Sdn Bhd, the designated revenue service operator of the line. I have full confidence that Rapid Rail, a subsidiary of Prasarana Malaysia Bhd, will be able to deliver good service to commuters after taking over the newest and most modern railway system in the country.

The year under review also saw the construction of the MRT Sungai Buloh-Serdang-Putrajaya (SSP) Line, the second line, move into full gear with construction work in progress at all the work packages along the alignment. Piers and even viaducts have begun to appear at various locations.

A lot has also taken place away from the eyes of the public. Construction activities have begun at the underground station sites and preparation for tunnelling were also being carried out. The construction pace will pick up even further in the coming financial year, with tunnel excavation works starting.

With the close of this eventful year, MRT Corp will now look forward to a new and more challenging year ahead.

Rest assured that the Board of Directors of MRT Corp as well as the Government will continue to support MRT Corp's mission to build a world-class public transport mode for the people of Malaysia.

Thank you.

# CHIEF EXECUTIVE OFFICER'S REPORT

**Dato' Sri Shahril Mokhtar**  
Chief Executive Officer



## The year 2017 will always be remembered proudly by everyone in MRT Corp.

This is because 2017 was the year when all the sweat and blood from all MRT Corp employees as well as our partners finally bore fruit.

After six years of intense work, the construction of the first line of the KVMRT Project, the MRT Sungai Buloh-Kajang (SBK) Line, was completed, ushering in a new era of public transportation in the Klang Valley and in Malaysia.

### GRAND FINALE FOR THE SBK LINE

The SBK Line was opened in two phases. The first phase, involving the northern elevated section of the line between the Sungai Buloh Station and the Semantan Station began operations on 16 December 2016.

Just seven months later on 17 July 2017, the second phase, comprising the underground and the southern elevated sections of the SBK Line became operational. This allowed Malaysia's first MRT line to be fully opened to the public.

The Phase One opening event was held at the Kwasa Damansara Station on 15 December 2016, a day before the start of service. Around 1,000 guests, including the Prime Minister were present to witness the launch of the first MRT service in Malaysia.

The opening of the full line on 17 July 2017 was celebrated in an even bigger scale. The official ceremony to launch the completed line was held at the underground Tun Razak Exchange Station. The guests then took a train to the Stadium Kajang Station where the historic moment was celebrated with over 20,000 members of the public gathering at the nearby Kajang Stadium.

The celebration was made much sweeter by the fact that the project was not only completed on time - two weeks early in fact - but at an actual construction cost that was RM2 billion less than the original target cost of RM23 billion. No one can deny that this was an achievement to be proud of.

The public got to ride the train later that evening. There were reports of long queues of excited people waiting at stations long before opening time. Not surprisingly, ridership on the SBK Line jumped after the opening of the entire line. This reinforced the long-known fact that there was a dire need for good, modern, efficient and reliable public transport in the Klang Valley.

As with any happy occasion, there was also an element of sadness. With the full opening of the SBK Line, the time had come for MRT Corp to pass effective control of the line to the appointed service operator, Rapid Rail Sdn Bhd.

The subsidiary of Prasarana Malaysia Bhd has experience in running the light rail transit, monorail as well as buses in the Klang Valley.

MRT Corp is confident that the operations of the SBK Line is in good hands.

Nevertheless, MRT Corp still has a role to play in the SBK Line. There will be a two-year defect liability period for the line. During this period, the SBK Line contractors will be required to address any defects raised by the operator to ensure that operations is not disrupted.

MRT Corp has set up a team to oversee this, comprising many of those who were directly involved in the construction of the SBK Line.

As the asset owner of the SBK Line, MRT Corp also reserves the right to collect non-fare revenue generated in the form of advertising, retail and event space rental, telecommunications infrastructure access, new technology and in the near future, property development.

We are pleased to report that the revenue earned during the period under review - the pioneer year for MRT Corp's commercial activities - was very encouraging at RM16.4 million.



Not surprisingly, the main revenue contributor for the year was advertising. However, we expect the sources of revenue to become more diversified as the other streams – especially property development, all of which will be transit-oriented development – come online in the near future.

### FOCUS ON THE SSP LINE

With the closing of the chapter on the SBK Line, MRT Corp will now be focussing on the construction of the MRT Sungai Buloh-Serdang-Putrajaya (SSP) Line, the second line of the KVMRT Project.

After the ground-breaking ceremony on 15 September 2016, construction for the SSP Line has been progressing very well. As at the end of the year under review, progress was 19.1%, which meant that construction was on schedule.

All 10 elevated viaduct work packages, one underground works package, one depot work package, seven systems work packages and six out of nine elevated station work packages have been awarded.

Activities such as bored piling, pile cap and pier construction have begun at all elevated work packages. The launching of segmental box girders for the construction of viaducts – a major construction milestone – began at Work Package V202 in August 2017.

Progress for the construction of the elevated sections of the SSP Line was 15.22% and was ahead of schedule.

For underground works, activity for temporary works has begun at all underground station sites while permanent structure works such as the construction of diaphragm walls for stations has begun at Sentul West, Titiwangsa and Bandar Malaysia North station sites.

Preparations for tunnelling works to begin were also progressing well, with two out of four new tunnel boring machines (TBM) passing their factory acceptance tests (FAT). For the remaining eight TBMs which were refurbished SBK Line TBMs, seven have successfully passed their FAT.

Progress for underground works was 22.65%. Electrical & mechanical systems works was at the concept design stage before progressing to the preliminary design and final design stages. Progress was at 8.6% which placed it ahead of schedule.

The year ahead will be a busy one for the SSP Line with construction at full swing. Several significant milestones will be taking place, including the commencement of tunnelling works in the first quarter of 2018 and the completion of the first electric train set in South Korea by the end of 2018.

### GOOD GOVERNANCE, INTEGRITY AND QUALITY

MRT Corp has also taken several initiatives to ensure that integrity and good governance were guiding principles which were ingrained in everyone in the organisation. MRT Corp's

Integrity Unit has been working hard to carry out programmes and activities towards this goal.

The unit's efforts paid off as MRT Corp became the first rail organisation in Malaysia to receive the Certificate of Recognition from the MACC for the successful completion of the 10 Anti-Corruption Initiatives under the Corporate Integrity System Malaysia.

The certificate was presented to MRT Corp by MACC Chief Commissioner Tan Sri Dzulkifli Ahmad on 17 July 2017 during the launch of full operations of the SBK Line.

In October 2017, MRT Corp will also be the first railway organisation to make the Corruption-Free Pledge where the whole organisation will pledge to refrain from corrupt practices while carrying out duties in developing Malaysia's biggest infrastructure project.

MRT Corp was also successfully certified with the ISO9001:2016 for Quality Management System, again becoming the first railway organisation to obtain this certification. The certification was awarded on 2 December 2016.

This certification means that all processes have been carefully identified and enhanced, effectively ensuring quality in the performance of the organisation.

As we end the sixth year of the organisation's existence, I am proud to say that MRT Corp has proven its capability to deliver the projects that it has been entrusted with.

As with the SBK Line which was completed on time and below the target construction cost, we in MRT Corp will deliver the SSP Line and the other lines that may come our way in a similar manner.

I believe MRT Corp will continue to grow from strength to strength and will be in a good position to play an important part in the Government's mission to develop the railway infrastructure and public transport in the country.

Thank you





# THE YEAR AT A GLANCE



## Green Awareness

4 October 2016

MRT Corp organises the MRT Environmental Conference 2016 in conjunction with National Environmental Day, involving communities along the SBK Line.



## For Integrity

19 October 2016

A delegation from MRT Corp led by Chief Executive Officer Dato' Sri Shahril Mokhtar visits the Malaysian Anti-Corruption Commission Headquarters in Putrajaya.



## Good Employer

27 October 2016

MRT Corp wins the Silver Award for the Employer of Choice at the 16th Malaysia Human Resources Awards 2016.



## Final Mile Connectivity

1 December 2016

An inspection for the MRT feeder buses was conducted by SPAD prior to delivery of buses to be used for the SBK Line.



## Last Mile Connectivity

8 December 2016

MRT Corp receives the first batch of MRT Feeder Buses to be used for the SBK Line.



## Historic Moment

15 December 2016

The first phase of the SBK Line officially opened with first 12 stations operational.



## Lucky Passenger

11 January 2017

MRT Corp and Rapid Rail Sdn Bhd celebrate student Ms Ng Zhi Wei as the one millionth passenger to use the SBK Line since the opening of the first phase.



## Job Done

21 February 2017

THE last of 58 train sets for the SBK Line being delivered by SMH Rail Sdn Bhd from its train assembly plant in Rasa, Selangor.



## Signed and Sealed

10 March 2017

MRT Corp and Perbadanan Putrajaya sign a mutual agreement for coexistence for the construction of SSP Line stations and other structures in the Federal Territory of Putrajaya.





### Workers' Quarters Visit

26 April 2017

Attachés from the Bangladeshi High Commission and Indonesian Embassy visit the MRT Project Centralised Labour Quarters in Sungai Buloh.



### Spirit of Sharing

29 May 2017

MRT Corp hosts its annual breaking of fast (iftar) with the media during the holy month of Ramadan.



### Catering to All

7 August 2017

Women, Family and Community Development Minister Dato' Sri Rohani Abdul Karim leads a delegation comprising members of the Council of Disabled Persons to try out the newly opened SBK Line.



### Keeping Updated

23 May 2017

MRT Corp hosts a briefing session on the SSP Line for Members of Parliament, State Assemblymen and Local Councillors.



### Impressed

16 June 2017

Minister in the Prime Minister's Department Dato' Sri Nancy Shukri checks the Merdeka Station with SPAD Chief Executive Officer Encik Mohd Azharuddin Mat Sah prior to the full opening of the SBK Line.



### New Brand for Station

21 August 2017

Manulife Semantan becomes the first station to be rebranded under MRT Corp's station naming rights programme.



### Safe Evacuation

25 May 2017

Rapid Rail Sdn Bhd and MRT Corp hold an emergency rescue and evacuation exercise prior to full operations of the SBK Line.



### Completed

17 July 2017

The full opening of the SBK Line was officially held.



### Knowledge Sharing

22 August 2017

MRT Corp together with the Gabungan Jurutera Perunding Bumiputera Malaysia hold a seminar on the challenges of delivering the SBK Line.



### Double Winner

23 August 2017

MRT Corp emerges as a double winner at the Asian Geospatial Excellence Awards 2017, winning the Transport Infrastructure and Digital Engineering Categories.



### Fit for Work

29 August 2017

The first of four brand-new tunnel boring machines to be used for the SSP Line successfully passes its factory acceptance test in Guangzhou, China.





# **MASS RAPID TRANSIT CORPORATION SDN BHD**





# MASS RAPID TRANSIT CORPORATION SDN BHD

**MRT Corp is a special purpose vehicle set up by the Government of Malaysia to be the developer and asset owner of the KVMRT Project. The company is wholly-owned by the Minister of Finance, Incorporated.**

The company was set up in September 2011 and took over the ownership of the KVMRT Project from Prasarana Malaysia Berhad (then known as Syarikat Prasarana Negara Berhad) in October 2011.

MRT Corp's responsibilities include monitoring and tracking the construction of all elevated structures, stations and depots of the KVMRT Project. It also directly manages the underground works, which involves tunnelling and the construction of underground stations.

The company is also responsible for the contracts involved, procurement process and

dispute resolution, apart from ensuring the quality of delivery in terms of cost, scheduling, health, safety, security and environment requirements.

MRT Corp works hand-in-hand with other parties in the development of the KVMRT Project.

They include MMC-Gamuda KVMRT (PDP) Sdn Bhd and MMC-Gamuda KVMRT (PDP SSP) Sdn Bhd as the PDP for the SBK Line and the SSP Line respectively and Suruhanjaya Pengangkutan Awam Darat (SPAD) as the supervising agency.



**“RESPONSIBILITIES INCLUDE MONITORING AND TRACKING THE CONSTRUCTION OF ALL ELEVATED STRUCTURES, STATIONS AND DEPOTS OF THE KVMRT PROJECT”**



to engineer  
and deliver  
an effective,  
efficient and  
integrated  
mass rapid  
transit  
system;  
safely,  
on time and  
within cost

# MISSION VISION

to be  
recognised  
as an  
integral  
provider of  
urban rail  
transport  
solutions

# GUIDING PRINCIPLES

## Openness

We have mutual respect for one another, appreciate differences and embrace challenges under one leadership

## Teamwork

We work together effectively to achieve shared goals

## Honesty

We uphold trust and integrity at all times

## Excellence

We do the right things the right way, always

## Responsibility

We always act with sensitivity and stand accountable for all of our actions and outcomes

## BOARD OF DIRECTORS



Tan Sri Dr Ali Hamsa, 62, is currently Chief Secretary to the Government of Malaysia.

Prior to his appointment, he was Director-General of the Public Private Partnership Unit in the Prime Minister's Department. Before that, he served in the Economic Planning Unit in the Prime Minister's Department where he was Director of the Distribution Division and then Deputy Director-General of the National Transformation and Advancement Programme.

He joined the Administrative and Diplomatic Service in 1981 as an Assistant Director at the Ministry of Trade and Industry.

He obtained a Bachelor of Arts (Honours) from the University of Malaya before furthering his studies at the Oklahoma State University, USA where he obtained a Master of Economics in 1986. This was followed by a PhD in Environmental Sciences and Economics in 1997.

As the Chief Secretary to the Government, he is also the Chairman of MyHSR Corporation Sdn Bhd, Malaysian Integrity Institute and Bintulu Port Holdings Berhad. He is currently Board Member of various corridor development authorities such as the Eastern Corridor Implementation Authority, Northern Corridor Implementation Authority, Sabah Economic Development and Investment Authority and Sarawak Regional Corridor Development Authority.

He co-chairs the Special Taskforce to Facilitate Business and holds the position as Deputy Chairman of Johor Corporation. At the international level, he is the President of the Commonwealth Association for Public Administration and Management.



Dato' Sri Shahril Mokhtar, 44, is currently Chief Executive Officer of MRT Corp, a company wholly-owned by the Minister of Finance Incorporated Malaysia.

Before being appointed to the position in 2015, he was Group Managing Director of Prasarana Malaysia Bhd a position which he had held since 2010. Prior to that, he was Chief Operating Officer of SPAD.

Before joining SPAD, he was attached to RapidKL as its General Manager of Corporate Planning. While serving in that position, he was seconded as an Adviser to the Economic Planning Unit in the Prime Minister's Department where he was involved in drafting the SPAD Act 2010 and the Land Public Transport Act 2010. He was also involved in the laboratory for urban public transport improvement which was held as part of the Government Transformation Plan.

Among the other positions he had held were General Manager of Corporate Services in Penerbangan Malaysia Bhd, Manager at PricewaterhouseCoopers Malaysia and British American Tobacco (M) Bhd and Senior Executive in the Maybank Group.

He currently sits on the Board of Directors of Prasarana Malaysia Berhad and MyHSR Corporation Sdn Bhd both wholly-owned subsidiaries of the Minister of Finance Incorporated Malaysia.

He holds a Master of Management (with distinction) from the University of Malaya and a Bachelor of Arts in Industrial and Organisational Psychology (minor in Political Science) from the University of Missouri St. Louis, USA. He also attended the Advanced Management Program at Kellogg School of Management, Northwestern University, Chicago, USA.



Tan Sri Dr Mohd Irwan Serigar Abdullah, 60, is currently Secretary-General of the Treasury.

Prior to his appointment, he had held various positions in the Ministry of Finance including Deputy Secretary General (Policy), and in the Economics and International Division from 2003 to 2008, he was the Under Secretary, Head of Multilateral Relations, Head of the Econometrics Section and Principal Assistant Secretary.

In the Economic Planning Unit in the Prime Minister's Department from 1987 to 1999, he was Senior Assistant Director in the Privatisation Division and Senior Assistant Director in the Energy Division.

He holds a PhD in Economics from the International Islamic University of Malaysia; Master of Science in Energy, Management and Policy from the University of Pennsylvania, USA and a Bachelor of Population Studies (Honours) from the University of Malaya.

He currently sits on the board of Khazanah Nasional Berhad, Govco Holding Berhad, Cyberview, Malaysia Airlines Berhad, PETRONAS, Bank Negara Malaysia, Inland Revenue Board of Malaysia, Malaysian Deposit Insurance Corporation, Tabung Haji, Cooperative Commission and Kumpulan Wang Amanah Pencen.





Dato' Nik Azman Nik Abdul Majid, 58, is currently the Director General of the Economic Planning Unit (EPU) in the Prime Minister's Department.

He previously served in the Ministry of Finance, handling economic analysis, debt management and budgeting. He was seconded to the World Bank in Washington DC for two years where he served as Assistant to the Executive Director. In addition, he had served as Senior Private Secretary to the Minister of Special Functions.

In the EPU, as a mid-level officer, he specialised in economic analysis and forecasting, public finance management and budgeting, as well as economic development. He served as Director of Regional Development (2006), Director of Development Budget (2006-07), Director of Macroeconomics (2007-2011), Head of the Economic Council Secretariat (2011-2015) and Deputy Director General (2012-2017).

He was involved with the regional development plan and in preparing the development budget for the Ninth Malaysia Plan. During the Tenth Malaysia Plan, he drafted and recommended the macroeconomic strategic thrusts and the overall growth target as well as the level of development expenditure. He was also the Head of the Tenth Malaysia Plan Secretariat, coordinating the overall preparation of the Tenth Plan document. He was also responsible for coordinating the mapping of the initiatives in the Tenth Malaysia Plan. During the preparation of the Eleventh Malaysia Plan, he oversaw the write up of two out of six strategic thrusts, namely on inclusivity and human capital development, besides coordinating the overall preparation of the Plan.

He graduated with a Bachelor's Degree in Economics from the University of Malaya and a Master of Economics from the University of Nebraska-Lincoln, USA. He had also attended the Advanced Management Program course at Harvard Business School, Harvard University, USA, in 2007.

He sits on the Board of Directors of the South-Eastern Johore Development Authority (KEJORA) and also serves as a member of the KEJORA Board Audit Committee. In addition, he serves on the Council of Majlis Amanah Rakyat (MARA) and as a member of the MARA Council Audit Committee and MARA Promotion Board. He is also a member of the Board of Directors of UDA Holdings Berhad and a member of UDA Holdings Berhad nomination and remuneration committee. He also serves as a Board Member of Malaysia Rail Link Sdn Bhd.



Datuk Che Mokhtar Che Ali, 63, is the founder partner of Messrs Che Mokhtar & Ling, a legal firm in Kuala Lumpur.

With more than 30 years of experience as a legal practitioner, he had served as a member of the Disciplinary Committee Panel of the Advocates and Solicitors Disciplinary Board and acted as the Chairman of the Committee.

He was also appointed a Notary Public by the Attorney General of Malaysia. As an advocate and solicitor, he had acted for various private and public companies, banking institutions, developers and statutory bodies such as the Datuk Bandar Kuala Lumpur.

He holds a Bachelor of Arts (Political Science and Public Administration) and a Bachelor of Law from the Victoria University of Wellington, New Zealand. He was admitted as a Solicitor and Barrister of the New Zealand Supreme Court in 1980 and as an Advocate and Solicitor of the High Court of Malaya three years later. He had also served as a Magistrate and Deputy Public Prosecutor.

He currently holds the positions of Director, Chairman of the Investment Committee and member of the Nomination Committee of Sumatec Resources Bhd. He was formerly a director of Idris Hydraulic (M) Bhd, Idaman Unggul Bhd and Eco World Development Group Bhd (formerly known as Focal Aims Holdings Bhd).



Dato' Sutinah Sutan, 63, was the former Deputy Chief Commissioner (Prevention) of the Malaysian Anti-Corruption Commission (MACC). She was the first woman to be appointed a Commissioner in MACC.

Prior to being appointed to the position in 2010, she had held several senior posts in the MACC including Director of Community Education and Director of the Inspection and Consultation Division. She was also the State Director of Penang and Pahang. Before joining the MACC, she was a Senior Communication Research Officer in the National Family Planning Board.

She had also held many strategic roles and responsibilities, both locally and overseas. Among them were Chief Secretariat to the Public Sector Governance Committee (now known as the Committee on Integrity and Governance), Chairperson for the taskforce responsible for drafting the instrument on values auditing in the public sector, Chairperson for the Corporate Integrity Pledge Roundtable Partners, member of the taskforce in drafting the National Integrity Plan, member in the Governance and Integrity Committee for the Performance Management and Delivery Unit in the Prime Minister's Department and for the Selangor State Development Board, APEC SME Expert Working Group on the Code of Business Ethics, ADB-OECD Anti-Bribery Initiatives for Asia and the Pacific and APEC Expert Group on Anti-Corruption and Transparency.

She holds a Bachelor of Humanities with Honours from Universiti Sains Malaysia, majoring in Mass Communication.



Datuk Dr Ir Abdul Latif Mohd Som, 62, is currently the Executive Chairman of KL Prima Consult Sdn Bhd, an established medium-sized Bumiputera-owned engineering consultancy firm which he formed in 1996.

He began his career at the Selangor State Development Corporation when he joined as a Structural Engineer in 1979. Upon completing his postgraduate degree in 1983, he joined Minconsult Sdn Bhd, one of Malaysia's largest and established engineering consultancy firm, and subsequently, United Engineers (M) Bhd as a Senior Civil Engineer. In 1989, he joined Sime UEP Bhd as a Project Manager, where he was later promoted to be General Manager of SEA Drillers Construction Sdn Bhd, a wholly-owned subsidiary of Sime UEP.

In 1991, he left Sime UEP Bhd to become a Director and Shareholder of Kumpulan Jurutera Maju Sdn Bhd, an established civil and structural engineering consultancy firm. He then left in 1996 to form KL Prima Consult Sdn Bhd with three other professional engineers.

He graduated with a Bachelor of Science (Hons) (Civil Engineering) from the University of Birmingham, United Kingdom in 1979 and obtained his Professional Engineer's license in 1986. He furthered his studies at the University of Edinburgh in the United Kingdom where he obtained a Master of Business Administration, followed by a PhD in Built Environment (specialising in international business) from MARA University of Technology, Shah Alam, Selangor Darul Ehsan in 2014.

He is also the Adviser of ICG Global Sdn Bhd, currently the largest multi-disciplinary professional consultancy firm in Malaysia, Council Member of the Road Engineering Association of Malaysia and Chairman of Gabungan Jurutera Perunding Bumiputera Malaysia.

He had earlier served as an Advisory Board Member of DBKL and also a Board Member of The Board of Engineers Malaysia.



**Encik  
Ahmad  
Zubir Zahid**  
Board Member

Encik Ahmad Zubir Zahid, 44, is currently a Director of Zulu Capital Sdn Bhd, a private equity fund management company registered with the Securities Commission Malaysia (SC) that he co-founded in 2014 that invests in unlisted companies primarily in the food and beverage and retail industries.

He is also an Executive Director of Thinkat Advisory Sdn Bhd, a boutique corporate finance advisory firm licensed by the SC.

He has over seven years' experience within the offshore oil and gas industry, as Chief Financial Officer (CFO) of three separate offshore construction companies. Before setting up Zulu Capital Sdn Bhd and Thinkat Advisory Sdn Bhd, he was CFO of Daya Offshore Construction Sdn Bhd, a subsidiary of Daya Materials Berhad that provides subsea construction services. Prior to that, he was CFO of Labuan Shipyard & Engineering Sdn Bhd, an offshore and marine services contractor, and SapuraAcergy Sdn Bhd, a seabed-to-surface engineering and construction contractor. These two companies were joint venture companies within the Sapura Energy Berhad group of companies.

Prior to joining the oil and gas industry, he spent over a decade in the financial services industry as a management consultant, investment banker and auditor with Ethos Consulting, ECM Libra, CIMB Investment Bank and PwC Malaysia, respectively.

He holds a Master of Business Administration from the University of Chicago Booth School of Business, USA. He obtained his Bachelor of Science in Economics and Accounting from the University of Bristol in the United Kingdom in 1996.

He is a Fellow of the Institute of Chartered Accountants in England and Wales and is an Associate of the Chartered Accountants Australia and New Zealand. He is also a member of the Malaysian Institute of Accountants and a Business Valuation Specialist of Chartered Accountants Australia and New Zealand. He is also a holder of a Capital Markets Services Representative's Licence issued by the SC for the regulated activity of advising on corporate finance and a licensed approved company auditor by the Ministry of Finance.



**Dato'  
Noorizah  
Abd Hamid**  
Board Member

Dato' Noorizah Abd Hamid, 57, was the former Managing Director and Chief Executive Officer of PLUS Malaysia Berhad.

While heading the company, she was involved in the negotiation and acquisition of several expressway projects such as the North-South Expressway Central Link (ELITE), Malaysia-Singapore Second Link (Linkedua) and the Butterworth-Kulim Expressway as well as highways in Indonesia and India.

She was also involved in the privatisation of PLUS Expressway Bhd, where she was involved in negotiations with the Government on revising the company's concession agreement and also the raising of RM30.6 billion sukuk – the largest Islamic bond issue in the world – in the restructuring of the company.

She was also Faber Group Berhad Chief Operating Officer from 1999 to 2003, and Faber Group Berhad and Faber Hotels Holdings Berhad Managing Director from 2004 to 2007 where she oversaw the overall management of the company. During her tenure in Faber, a key task of hers was to undertake the financial restructuring of the ailing company.

Other senior positions held by her were Projek Lebuhraya Utara Selatan Berhad Senior General Manager Finance, Hatibudi Management Sdn Bhd Senior Manager Corporate Finance, Renong Berhad Manager of Corporate Finance, and Permodalan Nasional Berhad Senior Corporate Finance Officer.

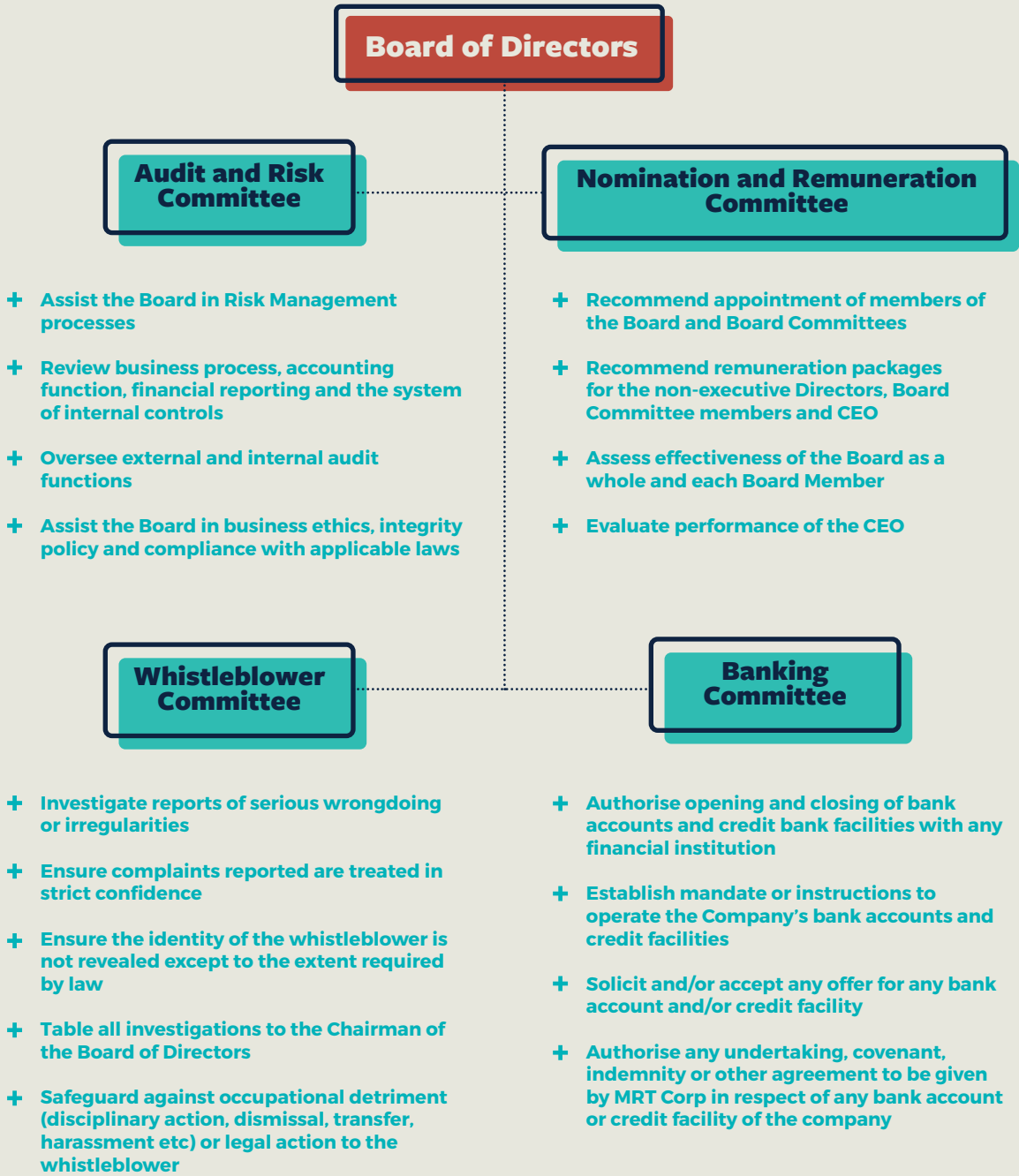
She holds a Master in Business Administration (Finance and Management) from Central Michigan University, USA. She also has a Bachelor of Science in Business Administration (Finance) from the same university and a Diploma in Accountancy from MARA Institute of Technology.

# BOARD COMMITTEES

The Board of Directors of MRT Corp has established four committees to ensure integrity and good corporate governance of the company.

- The four committees are the:
- Audit and Risk Committee
  - Nomination and Remuneration Committee
  - Whistleblower Committee
  - Banking Committee

The members of each committee comprise of members of the Board of Directors.





# LEADERSHIP TEAM



**Dato' Sri Shahril Mokhtar**  
Chief Executive Officer

Dato' Sri Shahril Mokhtar is the Chief Executive Officer of MRT Corp. He provides the overall strategic direction for the organisation, ensuring that the implementation of the KVMRT Project is in line with the mandate from the Government and direction set by the Board of Directors.



**Dato' Mohd Hairul Abdul Hamid**  
Chief Financial Officer

As Chief Financial Officer, Dato' Mohd Hairul Abdul Hamid's responsibility is to ensure effective and efficient overall financial management as well as corporate administration of the organisation. He is responsible of the management of information technology for the organisation's operations and oversees asset management to ensure optimum utilisation and maintenance. He is also responsible for procurement and contract management as well as the implementation of the Bumiputera agenda in the KVMRT Project.



**Dato' Zainal Adam**  
Chief Integrity Officer

As the Chief Integrity Officer, Dato' Zainal Adam is responsible for the effective implementation of integrity policies in the organisation and inculcating the culture of integrity among the stakeholders of the KVMRT Project through programmes and initiatives to ensure full adherence and observance of integrity policies and procedures.

**Datuk Marcus Levon Karakashian**  
Project Director, Sungai Buloh-Kajang Line

As Project Director for the SBK Line, Datuk Marcus Levon Karakashian oversees the overall implementation of the SBK Line by ensuring effective construction management in order to meet its key objectives and deliverables. He acts as the employer's representative in managing the relevant project stakeholders in order to facilitate the smooth implementation of the project. With the completion of the SBK Line, he is overseeing the transition of the project from the construction to the Defect Liability Period phase.



**Dato' Amiruddin Ma'aris**  
Project Director, Sungai Buloh-Serdang-Putrajaya Line

As Project Director for the SSP Line, Dato' Amiruddin Ma'aris oversees the overall implementation of the SSP Line by ensuring effective construction management in order to meet its key objectives and deliverables. He acts as the employer's representative in managing the relevant project stakeholders to ensure the smooth implementation of the project.



**Dato' Haris Fadzilah Hassan**  
Director, Commercial and Land Management

As the Director of Commercial and Land Management, Dato' Haris Fadzilah Hassan is responsible for driving and managing the commercial activities generated by MRT Corp's assets and non-fare revenue ventures. He ensures that assets are monetised to generate maximum return and all non-fare revenue generation potentials are explored and optimised. He is also responsible for managing the land acquisition process for the KVMRT Project.



**Syed Mahdhar Syed Hussain**  
Director, Standard and Compliance

As the custodian for quality and safety, Tuan Syed Mahdhar Syed Hussain as Director of Standard and Compliance is responsible for ensuring that the KVMRT Project practices Safety, Health and Environment best practices, laws and regulations. He is required to ensure the necessary systems and standard operating procedures are in place to govern the project quality control and assurance. He is also responsible for driving and managing MRT Corp's ISO standard, knowledge and documents repository.

**Zainudin Ismail**  
Director, Strategic Human Resource

As the Director of Strategic Human Resource, Encik Zainudin Ismail is responsible for ensuring that effective people-based strategies are in place to ensure efficient talent acquisition, retention and continuous employee development whilst ensuring a conducive and harmonious working environment within the organisation. He is also responsible for managing changes to ensure existing policies and practices remain externally competitive as well as internally equitable to drive continuous excellence within the organisation.



**Dato' Najmuddin Abdullah**  
Director, Strategic Communications and Stakeholder Relations

Dato' Najmuddin Abdullah is the Director of Strategic Communications and Stakeholder Relations. He is responsible for putting in place effective communications and public relations strategies to manage the organisation's branding and reputation. This includes smooth and efficient communications and information flow between the organisation and project stakeholders. He is also responsible for implementing and driving stakeholder relations strategies and engagements to facilitate the smooth implementation of the KVMRT Project.



**David Loo Kean Beng**  
Company Secretary

Mr David Loo Kean Beng is the Company Secretary and also Head of the Legal and Secretarial Division and is responsible for managing all legal and company secretarial matters. This includes land matters such as mutual agreements with land owners for co-existence and ensuring the conditions of contract for construction agreements and the resolution of disputes for the project and operations are effectively managed and carried out.







# INTEGRITY

**MRT Corp, as the developer of the Klang Valley MRT (KVMRT) Project, is entrusted with the utilisation of public funds for the construction of the KVMRT Project. In view of this, MRT Corp places great importance on good governance and integrity when using the funds.**

This focus on good governance and integrity is very much in line with MRT Corp's guiding principles.

MRT Corp's Integrity Unit has worked continuously to enhance good governance and integrity within the organisation, including inculcating the values of integrity among the employees of MRT Corp and other companies which have dealings with the organisation.

For example, the completion of the SBK Line ahead of schedule with a cost saving of about RM2 billion from the budgeted cost of RM23 billion would not have been achieved without the high integrity shown by MRT Corp's employees and the company's business partners.

During the period under review, the Integrity Unit had conducted nine Integrity Awareness Programme sessions in MRT Corp. Based on the survey conducted, 95% of employees with the positions of Senior Manager and below had indicated that they had benefited from the Awareness Programme.

Other integrity initiatives undertaken during the financial year were:

- Conducting Business Process Review of business units to identify and recommend action plans to mitigate any element of bribery or abuse of position
- Conducting confirmation and detection on projects to ensure no elements of bribery, abuse of position and misappropriation
- Collaboration with the Malaysian Anti-Corruption Commission (MACC) to conduct Corruption Risk Management (CRM) Workshops for all business units

On 17 July 2017, MRT Corp became the first rail organisation in Malaysia to receive the Certificate of Recognition from the MACC for the successful completion of the 10 Anti-Corruption Initiatives under the Corporate Integrity System Malaysia.

The certificate was presented to MRT Corp by MACC Chief Commissioner Tan Sri Dzulkifli Ahmad on 17 July 2017 during the launch of full operations of the SBK Line.

MRT Corp will be the first railway organisation to make the Corruption-Free Pledge where the whole organisation will pledge to refrain from corrupt practices while carrying out duties in developing Malaysia's biggest infrastructure project.

Moving forward, the Integrity Unit will be adopting anti-bribery management to ensure integrity remains an important element in MRT Corp. This is being done towards achieving ISO 37001:2016 Anti-Bribery Management System certification for MRT Corp.



# ISO PROGRAMME AND CERTIFICATION

**MRT Corp was successfully certified with ISO 9001: 2015 certification for Quality Management Systems (QMS) on 02 December 2016 making it the first Malaysian railway company to achieve such certification.**

The scope of the certification was Project Management and Supervision of Mass Rapid Railway Infrastructure encompassing procurement and the planning and design of the SSP Line.

The initiative was led by the Quality and System Assurance Department in the Standard and Compliance Division of MRT Corp, with the QMS Steering Committee consisting of the MRT Corp Leadership Team giving their full support, commitment and strong leadership in setting the direction of the QMS.

QMS Working Committees were set up to develop, implement and maintain the quality management system throughout MRT Corp. With the ISO 9001: 2015, all MRT Corp employees are able to understand explicitly their respective processes, knowing what to do, how and when to do them, and why they are being done.

Employees are able to understand also the inter-relationship between their process with those belonging to other Divisions or Departments, encouraging continuous improvement in these processes. This in turn will allow them to engage more effectively and thus further enhance their work performance.

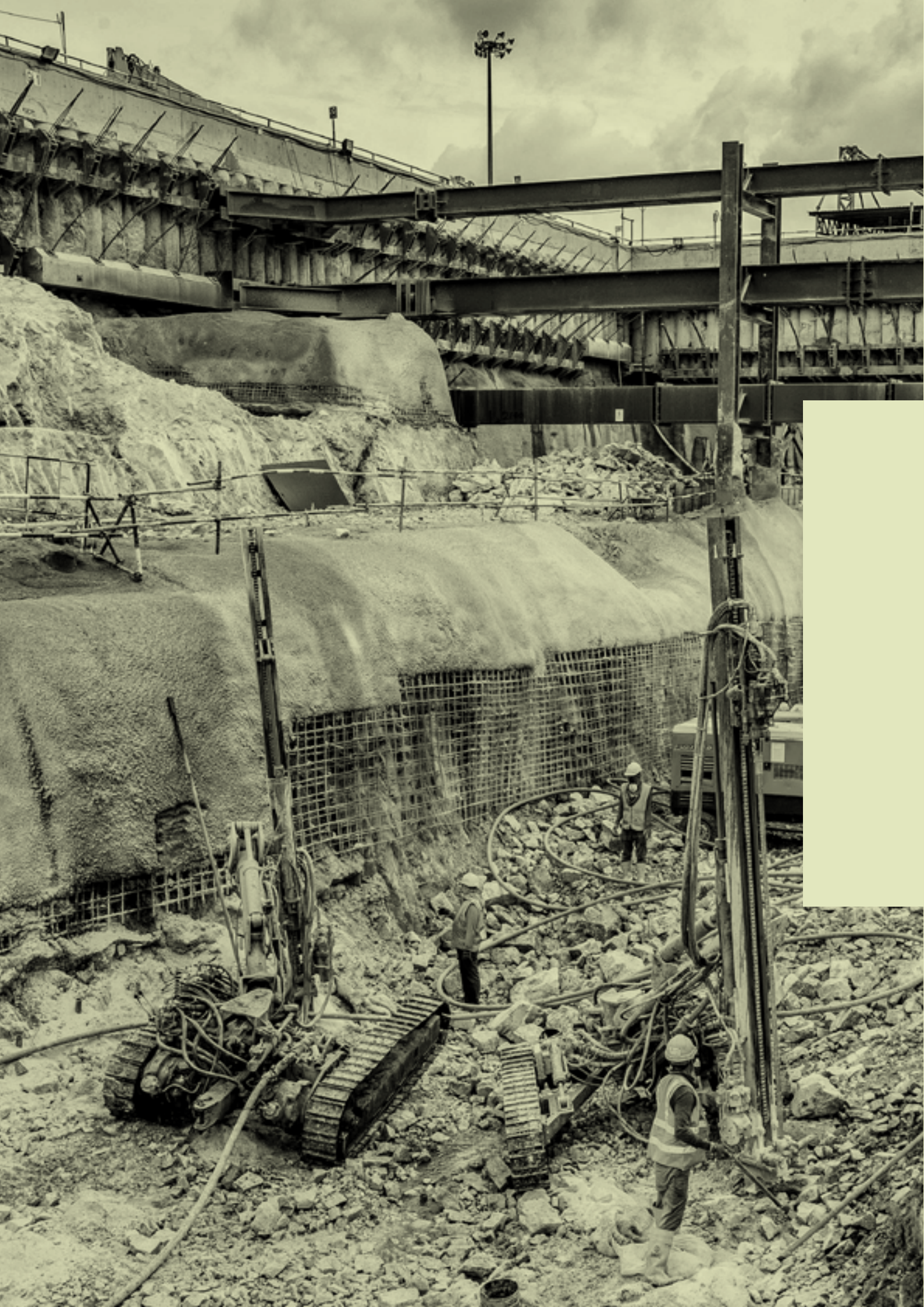
To ensure the success of the QMS, various activities and engagements were carried out including QMS awareness training, QMS committee meetings, QMS procedure reviews and QMS contests.

The annual Internal Quality Audit was conducted in August 2017 to self-assess the overall effectiveness of the QMS. A group of in-house trained Quality Internal Auditors were selected to conduct the audit independently from their work areas to ensure objectivity and impartiality of the audit process. Follow up and corrective actions were then taken to address issues identified during the audit and to enable gaps to be closed.

On top of that, a QMS Management Review Meeting was held by the QMS Steering Committee in September 2017 where the overall QMS was reviewed to ensure its effectiveness and alignment with the strategic direction of MRT Corp. MRT Corp is expected to successfully pass the audit.

Quality is never achieved by accident, it is always the result of the right intention, high commitment, sincere effort, intelligent direction and skilful execution where the QMS programme becomes a Key Performance Indicator in MRT Corp that is approved by its Board of Directors. QMS is a continuous journey that will require all levels of commitment to build and strengthen to become a culture within MRT Corp.





# THE KLANG VALLEY MRT PROJECT





# THE KLANG VALLEY MASS RAPID TRANSIT PROJECT

The KVMRT Project involves the construction of an urban rail network which, together with the existing light rail transit (LRT), monorail, KTM Komuter, KLIA Ekspres and KLIA Transit systems, will form the backbone of the Greater Kuala Lumpur/Klang Valley's public transport system.

The Project was approved by the Government in December 2010 and was made an Entry Point Project of the Economic Transformation Programme (ETP) under the Greater Kuala Lumpur/Klang Valley National Key Economic Area (NKEA).

The Project was initially proposed to the Government by a private sector consortium in early 2010 and consisted of three MRT lines.

The Government conducted a study on the proposal and gave the approval for the SBK Line as the first MRT line to be developed.

Construction of the 51km SBK Line was officially launched on 8 July 2011.

Construction of the line had been successfully completed and the line was opened to the public in two phases - 16 December 2016 for Phase One between the Sungai Buloh MRT Station

and Semantan Station, and 17 July 2017 for the remainder of the line.

Approval for the implementation of the second MRT line, the SSP Line, was given by the Government in February 2014. The final approval of the SSP Line Railway Scheme was obtained in October 2015.

The official ground-breaking ceremony for the SSP Line took place on 15 September 2016.

The third MRT line is envisaged to be a circle line which will integrate with all existing radial rail lines of the urban rail network. SPAD had outlined the corridor for MRT Line 3 under its Urban Rail Development Plan and will be implemented in the future.

## The Klang Valley Integrated Urban Rail Network



\* When operations commence in 2021, the SSP Line will begin from Kwasa Damansara Station. This brings the total number of stations for the SSP Line to 38 including the Kwasa Damansara Station, Kampung Selamat Station and Sungai Buloh Station which are built under the SBK Line. Therefore, the SBK Line will also begin from Kwasa Damansara Station. This will reduce the number of stations for the SBK Line from 31 to 29 stations.





# MRT SUNGAI BULOH -KAJANG LINE





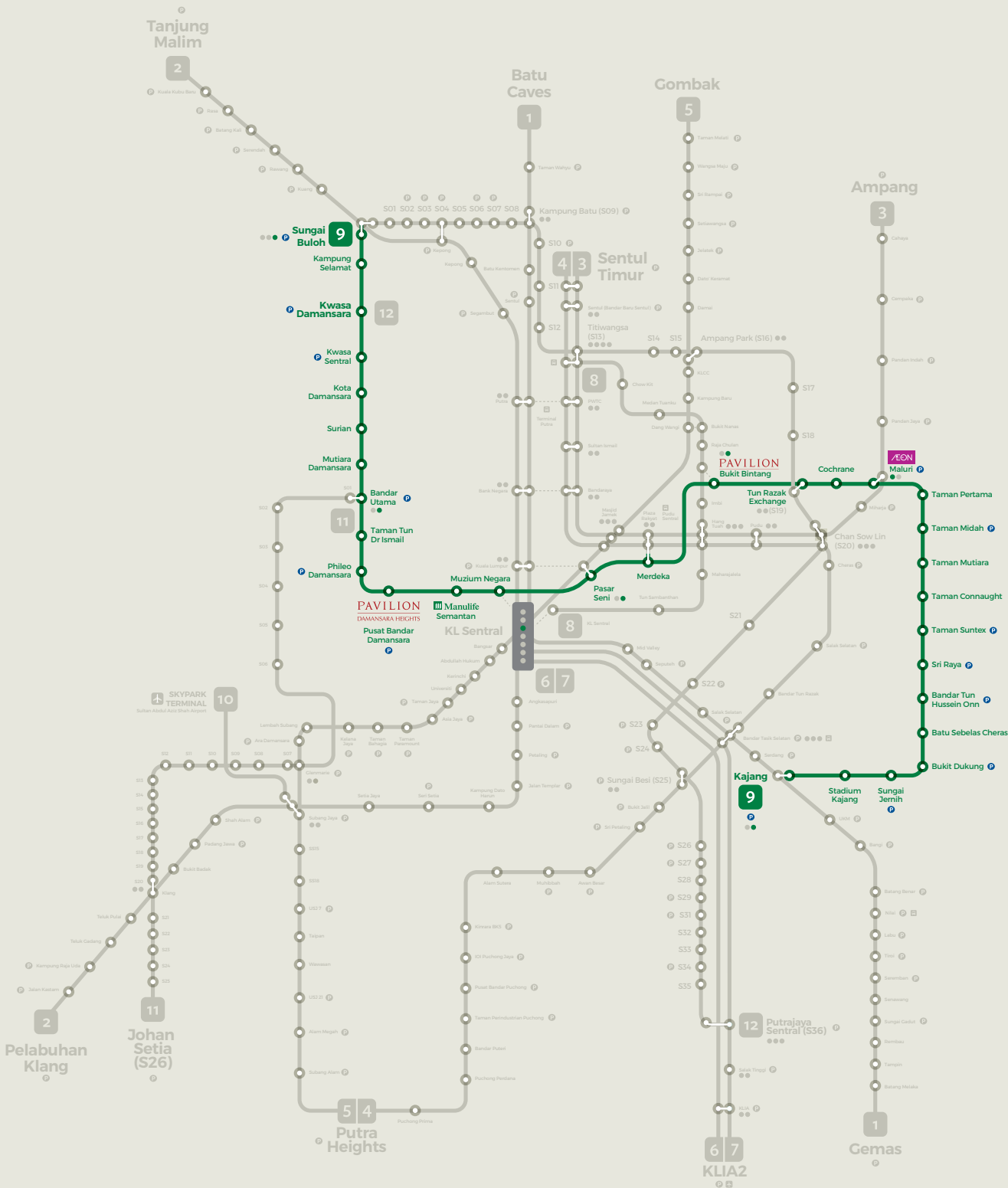
# THE MRT SUNGAI BULOH-KAJANG LINE

THE 51km SBK Line is the first line of the KVMRT Project to be implemented with construction officially beginning from 8 July 2011.

The line begins from Sungai Buloh, located to the north-west of Kuala Lumpur and runs through the centre of Malaysia’s capital city before ending in Kajang, a fast-developing town located in the south-east of the city.

The line serves a corridor with an estimated population of 1.2 million people. The SBK Line runs underground for a distance of 9.5km beneath the centre of Kuala Lumpur while the rest of the alignment is elevated. There are 31 stations of which seven are underground.

## MRT Sungai Buloh- Kajang Line







# OPERATIONS BEGIN

The year under review saw the most significant event to date for the KVMRT Project, namely the completion of construction and the full opening of the SBK Line.

The full opening and commencement of revenue service for the line was carried out in two phases.

Phase One involving the northern elevated section of the SBK Line with 12 stations between the Sungai Buloh Station and the Semantan Station was opened to the public on 16 December 2016. An opening ceremony with the Prime Minister as guest of honour, was held the day before at the Kwasa Damansara Station.

Seven months later on 17 July 2017, Phase Two of the SBK Line comprising the underground and southern elevated sections of the line with the remaining 19 stations commenced operations, allowing for the entire SBK Line to be opened to the public.

The occasion was celebrated with an event which began with a formal opening ceremony at the Tun Razak Exchange Station followed by

a celebration with over 20,000 members of the public at the Kajang Stadium, which is located next to the Stadium Kajang Station. As with the Phase One opening, the Prime Minister was the guest of honour of the event.

With the full opening and commencement of revenue service, the SBK Line was formally handed over to Rapid Rail Sdn Bhd, a subsidiary of Prasarana Malaysia Bhd, to operate the service pursuant to the MRT Handing Over and Operating Agreement between MRT Corp and Prasarana Malaysia Bhd.

Under the agreement, all assets of the line, including all structures, trains and equipment, remained under the ownership of MRT Corp.

MRT Corp also retained the right to utilise all SBK Line assets to generate non-fare revenue. This included the use of piers and guideways, stations,

trains and other assets for advertising, retail space rental, events space rental, photography and filming fees and other revenue generating activities. More details are covered in the Commercial chapter of this report.

**“UNDER THE AGREEMENT, ALL ASSETS OF THE LINE, INCLUDING ALL STRUCTURES, TRAINS AND EQUIPMENT, REMAINED UNDER THE OWNERSHIP OF MRT CORP”**

# DEFECT LIABILITY PERIOD

With the opening of the SBK Line, each of the Work Package Contractors (WPC) involved in the line's construction has a contractual obligation to provide MRT Corp with a Defect Liability Period (DLP) of two years starting from the date of commencement of Revenue Service.

The above ensures that the respective WPCs assist the operator, Rapid Rail Sdn Bhd to address any defects that may occur on the SBK Line, ensuring that the revenue service is not disrupted. A defect may be defined as a non-desired event and/or a repetitive fault.

MRT Corp set up a Defect Liability Period (DLP) Team which is responsible for ensuring that the PDP manages the WPCs in addressing all defects raised by the operator in a timely manner.

This process is facilitated through the fortnightly Defect Liability Period Failure Review Board Meetings with Rapid Rail. All defects deemed valid are registered into an online database, managed by the PDP and tracked to closure.

The DLP Team works closely with the MRT Corp Assets Management Department to ensure that MRT Corp's interests and assets are protected at all times. The DLP Team is also responsible for changes or enhancements to the SBK Line. All changes must adhere to the Application For Modification Procedure that is managed by the Assets Management Department.

At the end of the period under review, the DLP Team was in the process of closing-out outstanding items and fine-tuning the mechanical and electrical system of the SBK Line to ensure optimum efficiency and service availability.





# ASSETS MANAGEMENT

**As MRT Corp is the owner of all assets of the KVMRT Project, MRT Corp's Assets Management Department plays an important role in ensuring the organisation's strategic asset management objectives are met, namely safety, health and environment; compliance; stakeholder management; asset integrity; and the management and optimisation of the life cost of assets.**

The department sets out to achieve these objectives by implementing the asset life cycle management process to balance cost, opportunities and risk against the desired performance of the assets, which includes both the MRT trains and MRT feeder buses.

The department utilises real-time information from the computerised maintenance management system to monitor the condition and performance of assets.

The department also carries out regular asset condition assessment such as weekly inspections of rail and bus depots, stations, electric trains, feeder buses and viaducts. It also conducts scheduled and ad-hoc asset condition and performance audits of MRT Corp's rail and bus assets which are operated and maintained by Rapid Rail Sdn Bhd and Rapid Bus Sdn Bhd respectively.

Other roles the department plays are ensuring changes to assets are carried out in a safe and controlled manner and managing requests by third parties to connect their developments to MRT stations via elevated link bridges or underground link ways.



## FEEDER BUS

**With the opening of the SBK Line, the MRT Feeder Bus service which provides first and final mile connectivity for the MRT service also began operations.**

The buses serve 55 routes, 28 from stations in the northern elevated section of the SBK Line between Sungai Buloh and Semantan, and the remaining 27 routes from stations between Tun Razak Exchange and Kajang.

From 16 December 2016 with the opening of Phase One of the SBK Line till the end of the period under review, a total of 4.9 million people had used the MRT Feeder Bus service.

The MRT Feeder Bus service is operated by Rapid Bus Sdn Bhd, a subsidiary of Prasarana Malaysia Bhd. However, the buses, depots and other assets are owned by MRT Corp.

The MRT Feeder Bus fleet is made up of 150 Volvo and 150 Scania buses. The entire fleet is made up of single deck 10 metre completely knocked down diesel city feeder buses.

The first delivery of Volvo buses was made on 6 December 2016, with a total of 80 units being delivered in time for the opening of Phase One of the SBK Line on 16 December 2016. The remaining 70 buses were delivered in stages in time for the full opening of the line on 17 July 2017.

Similarly, 80 Scania buses were delivered in 2016 to provide the MRT Feeder Bus service for Phase One operations of the SBK Line, while the remaining 70 units were delivered in time for the full opening of the line on 17 July 2017.

The buses will be housed in three purpose-built depots in Sungai Buloh, Desa Tun Razak and Kajang. As at 30 September 2017, the buses were being housed in the Sungai Buloh and Kajang MRT Feeder Bus Depots as the Desa Tun Razak MRT Feeder Bus Depot was still under construction.

At the end of the period under review, construction of the Sungai Buloh MRT Feeder Bus Depot had been completed. Inspection by the authorities for the Certificate of Completion and Compliance (CCC) was in progress. The depot is expected to obtain the CCC in May 2018.

Construction of the Desa Tun Razak MRT Feeder Bus Depot was 82% complete at the end of the period under review and is expected to be completed in June 2018. The Kajang MRT Feeder Bus Depot was 95% complete and is expected to be completed in May 2018.

**“MRT FEEDER BUS FLEET IS MADE UP OF 150 VOLVO AND 150 SCANIA BUSES. THE ENTIRE FLEET IS MADE UP OF SINGLE DECK 10 METRE COMPLETELY KNOCKED DOWN DIESEL CITY FEEDER BUSES”**



# LAND

## LAND ACQUISITION

Land acquisition for the SBK Line is now proceeding into the Post Acquisition Stage.

Pursuant to Section 25 of the Land Acquisition Act 1960, Sections 62 and 76 of the National Land Code 1965 and in relation to Articles 83 and 85 of Federal Constitution, there is a requirement to carry out a final title survey on Title In Continuation for land that is partly acquired, reservation of land for the MRT alignment and alienation of land under the Federal Land Commissioner.

At the end of the period under review, the overall progress is currently at 82%.

## MUTUAL AGREEMENT

The term Mutual Agreement is used by MRT Corp to describe a coexistence scheme which allows some land owners whose land were originally to be acquired under the Land Acquisition Act 1960 to retain ownership of their land, subject to the land titles reflecting the presence of MRT structures.

As at 30 September 2017, the figure for signed Mutual Agreements for the SBK Line was 51, with KLIFD Sdn Bhd signing the Mutual Agreement for coexistence for the Tun Razak Exchange MRT Station.

# BUMIPUTERA PARTICIPATION

**With the completion and opening of the SBK Line, MRT Corp's programme for Bumiputera Participation in the development of the line also ended.**

Fifty percent of the total contract value of the project, amounting to RM10.52 billion was awarded to Bumiputera companies. This was a significant achievement as the original target was 43% of total contract value.

In total, 42 main work packages were awarded to Bumiputera companies.

In addition to the participation of big companies, MRT Corp's Bumiputera Participation Programme also included the participation of Bumiputera contractors under the Construction Industry Development Board (CIDB) Malaysia Grades G1 to G4 where the contractors were selected through balloting.

A total of 294 work packages worth RM204 million were awarded as subcontracts. All these contractors had successfully completed their work.

Of these work packages, 36 with a total value of RM26 million were awarded to 13 contractors which were set up as part of the first MRT Young Entrepreneur Programme (MYEP I), underscoring the success of this programme.

Reflecting the success of the organisation's Bumiputera Participation Programme, MRT Corp received several awards and commendations during the period under review.

They included an appreciation certificate from CIDB for MRT Corp's contribution and collaboration in the CIDB Apprenticeship Construction Programme, a special excellence award from the Malay Contractors Association of Malaysia (PKMM) for giving opportunities to Bumiputera contractors from CIDB Grades G1 to G4 to participate in a world-class mega project, and an endorsement from the Unit Peneraju Agenda Bumiputera for MRT Corp's Bumiputera Agenda Model as a reference model in developing extensive Bumiputera participation in a Government mega project.

# INDUSTRIAL COLLABORATION PROGRAMME

**The Industrial Collaboration Programme (ICP) is an instrument devised by the Government to support the national economic development agenda by leveraging on the Government's procurement of supplies, services and works.**

The objective of the ICP is to optimise the value of national procurements and maximise the return on investment. The MRT Corp ICP focused on the development of the Malaysian Rail Industry as proposed in the Malaysian Rail Supporting Industry Roadmap 2030.

Benefits derived from the ICP were in the following categories: foreign direct investment, localisation or sub-contracting, human capital development, transfer of technology, research and development activities, and market access.

The ICP comprised three types of programmes – Offset, Economic Enhancement and Counter Trade. Only the Offset and Economic Enhancement Programmes applied for the KVMRT Project.

Based on the Policy and Guidelines on the ICP in Government Procurement, all Government procurement involving foreign suppliers with a value above RM50 million will trigger the Offset Programme of the ICP while all Government procurement worth more than RM100 million which are awarded to local contractors will trigger the Economic Enhancement Program (EEP).

With the completion and opening of the SBK Line, the SBK Line ICP, which comprised 41 initiatives with 337 beneficiaries, was also completed. The SBK Line's ICP contributed a total of RM2.88 billion in ICP Credit Value to the Malaysian economy.

Among the notable achievements of the programme were:

- **Establishment of the first Malaysian train assembly plant in Rasa, Hulu Selangor.** With investments of RM55 million by SMH Rail Sdn Bhd and RM58.5 million by Siemens AG of Germany, the plant had helped create at least 158 jobs, mostly going to the local population of the plant location. Malaysia also benefited from the technology and knowledge shared by Siemens enabling the train assembly plant to be of international standard.
- **Localisation** of the manufacturing of components such as train seats, train LED lighting, automatic fare collection gates, tunnel boring machine ancillary parts and tunnel lining segments using steel fibre reinforced concrete.
- The **establishment of the Tunnel Training Academy** by the SBK Line underground works contractor MMC-Gamuda KVMRT (T) Sdn Bhd which provided training to a total of 400 graduates.
- **Training of Malaysian engineers** in various knowledge transfer programmes in Austria, France, Germany, China and Thailand.

A separate ICP was also designed for the SBK Line feeder bus procurement with several initiatives involving local assembly works and market access.

Training sessions were carried out in Sweden and Poland for beneficiaries of the programme such as the Malaysian Green Technology Corporation; Ministry of Energy, Green Technology and Water; and Prasarana Malaysia Bhd.

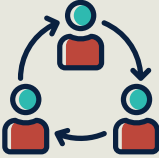
In addition, a study entitled the Feasibility Study on Biomass Conversion into Bio-Chemical and Bio-Fuel was submitted and presented to the Sabah and Sarawak State Governments as input for the policy development on biomass industry for the two states.

The SBK Line Feeder Bus ICP is expected to generate RM240 million in ICV when it is completed in 2019.

## THE MRT SUNGAI BULOH-KAJANG LINE INDUSTRIAL COLLABORATION PROGRAMME



**Total Projects**  
**41**



**Total Beneficiaries**  
(companies)  
**337**



**Value of Technology Transfer/ Knowledge Transfer**  
**RM400mil**  
ICV



**Total Attendances for Training**  
**1,073**



**Total Investment (FDI)**  
**RM58 mil**



**Localisation/ Sub-Contracting**  
**RM1,078mil**

Source: Technology Depository Agency (TDA)



# STAKEHOLDER AND PUBLIC RELATIONS

## STAKEHOLDER RELATIONS

With the opening of the SBK Line, MRT Corp is now taking a reduced role for this line in terms of stakeholder relations. Feedback and complaints with regards to the operations of the SBK Line and feeder buses, including quality of service and fares, are handled by Rapid KL, the operator of the MRT line and feeder bus services.

Nevertheless, MRT Corp's Strategic Communications and Stakeholder Relations Division will continue to handle matters pertaining to post-construction issues, such as reports of damage to property which occurred during construction.

In order to address these issues, an inter-departmental team is mobilised where the division's Stakeholder Relations Department facilitates communications between MRT Corp's Defect Liability Period Team, PDP and the affected stakeholder.



## EVENTS AND ACTIVITIES

The most significant events to take place during the period under review were those held to mark the two-phased opening of the SBK Line.

On 15 December 2016, an event was held at the Kwasa Damansara Station to mark the opening of Phase One of the SBK Line between the Sungai Buloh Station and Semantan Station. The opening was launched by Prime Minister Dato' Sri Mohd Najib Tun Abdul Razak and the event was attended by other Cabinet ministers. The section of the line, which comprises 12 elevated stations, was opened to the public the following day.

Seven months later on 17 July 2017, another event was organised for the opening of the entire SBK Line. The event was held at two locations - first at the Tun Razak Exchange Station for the formal opening ceremony followed by a gathering of some 20,000 members of the public to celebrate the opening of the line at the Kajang Stadium.

The Prime Minister was the guest of honour for the event, which was also attended Cabinet ministers, Government agencies and community leaders.

Following the successful launch of the SBK Line, a seminar entitled Challenges in Delivering the Klang Valley MRT was organised jointly by the Gabungan Jurutera Perunding Bumiputera Malaysia (GJPBM) and MRT Corp on 22 August 2017.

## DIGITAL COMMUNICATIONS

During the period under review, social media channels were utilised to help spread awareness on the opening of Phase One as well as the entire SBK Line, while continuously educating the public on the Project.

The hashtag #JOMNAIKMRT was created to generate buzz on social media surrounding the SBK Line services which were available such as the trains, feeder buses and stations.

Contests such as the "Catch the Train", "Station Check In", "Catch the MRT Cruiser" and "Spot the Train" contests were organised to create awareness on the opening of the SBK Line.

After the opening of the SBK Line, MRT Corp's website was also used to market commercial opportunities such as providing information on event space rental, filming and photography rates for the line.



## MRT TOUCHPOINTS

During the period leading up to the opening of the SBK Line, the MRT Touchpoints - consisting of the MRT Information Centre (MIC), MRT Information Kiosk (MIK) and MRT Information Truck (MIT) - were progressively closed, refurbished or converted to cater to the SSP Line.

The MIC at Damansara Utama, which was set up in 2011 to cater to the needs of the SBK Line, was closed in November 2016. In its place, two information centres catering to the SSP Line were set up at Jalan Sultan Azlan Shah and Seri Kembangan.

Two MIKs, which function as mobile mini information centres, were initially constructed in December 2011 and were decommissioned in May 2014. They were replaced with a newly constructed MIK for the SSP Line in 2016.

The MIT began operations for the SBK Line in June 2012 and was decommissioned in January 2016. A new MIT with content on the SSP Line began operations in May 2016.

The 24-hour MRT Hotline was set up in December 2011 to handle enquiries and complaints pertaining to the construction of the SBK Line. With the opening of the SBK Line, enquiries and complaints regarding train and feeder bus services are now handled by Prasarana Malaysia Bhd.

The hotline, with the same toll-free number 1800-82-6868, now caters to enquires and complaints regarding the SSP Line.







# **MRT SUNGAI BULOH -SERDANG- PUTRAJAYA LINE**





# THE MRT SUNGAI BULOH-SERDANG-PUTRAJAYA LINE

The SSP Line is the second line of the KVMRT Project to be developed.

It will serve a corridor stretching from Sungai Buloh, through the centre of Kuala Lumpur and its southern suburbs, to Putrajaya, Malaysia’s federal administrative centre.

The alignment will have a length of 52.2km, consisting of 38.7km of elevated tracks and 13.5km of tracks running through tunnels underground. It will have 35 stations of which 24 are elevated and 11 underground.

It will have 11 interchange stations and 17 stations with park and ride facilities, making it much easier for commuters to transfer to existing and future rail lines.

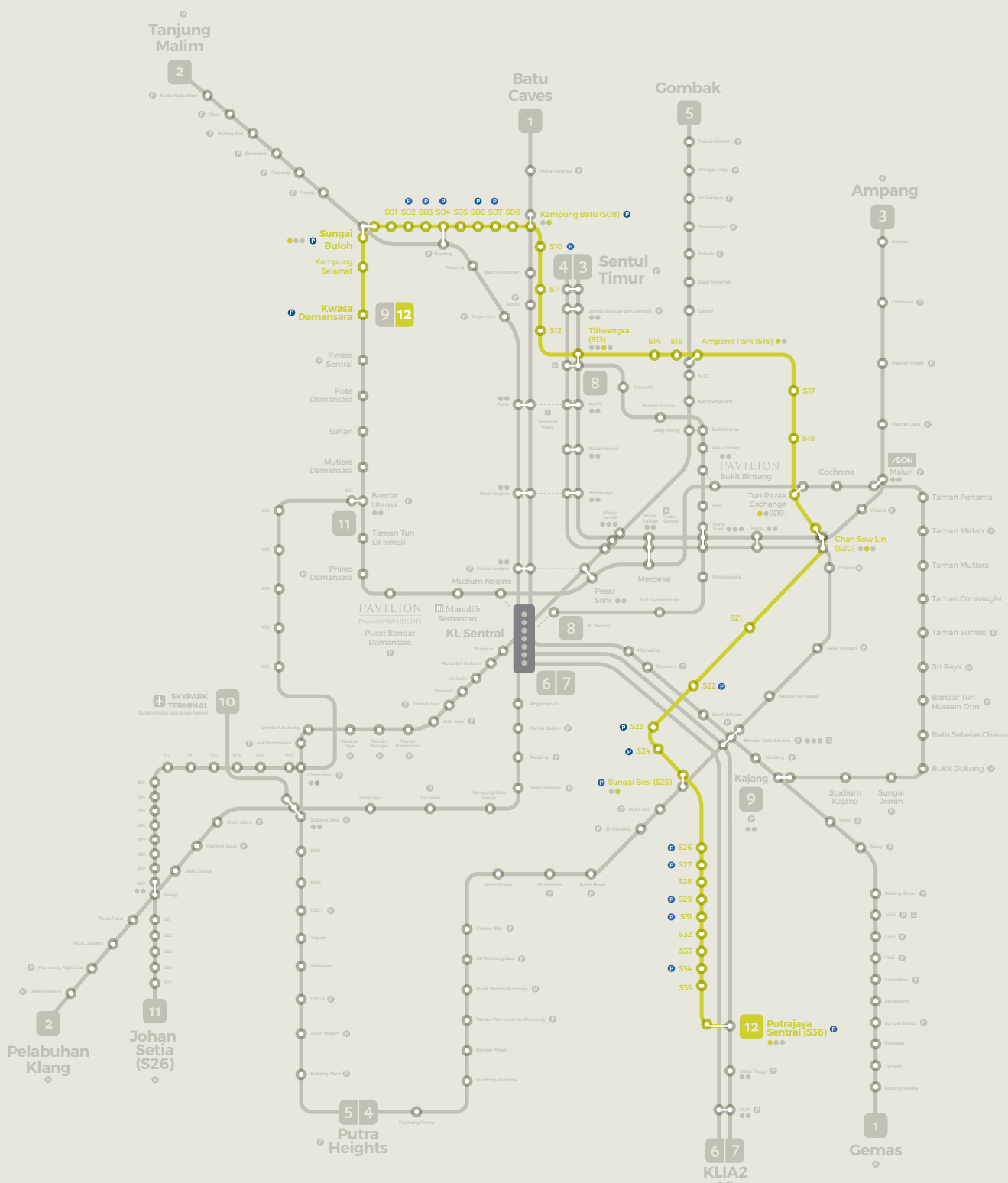
The Government gave its approval for the implementation of the SSP Line in 2014. A Public Inspection exercise under Section 84 of the Land Public Transport Act 2010 was then held from May to August 2015 for members of the public to give their feedback and objections.

The final approval for the SSP Line Railway Scheme was given by the Government in October 2015.

The ground breaking ceremony, which was officiated by Prime Minister Dato’ Sri Mohd Najib Tun Abdul Razak, was held at the site of the future Putrajaya Sentral Station on 15 September 2016, marking the commencement of construction works of the SSP Line.

Phase One from the Sungai Buloh Station to the Kampung Batu Station is expected to begin operations in the second quarter of 2021, while the rest of the line from the Kampung Batu Station to the Putrajaya Sentral Station is expected be operational under Phase Two in the second quarter of 2022.

## MRT Sungai Buloh- Serdang-Putrajaya Line



\* When operations commence in 2021, the SSP Line will begin from Kwasa Damansara Station. This brings the total number of the stations for the SSP Line to 38 including the Kwasa Damansara Station, Kampung Selamat Station and Sungai Buloh Station which are built under the SBK Line. Therefore, the SBK Line will also begin from Kwasa Damansara Station. This will reduce the number of stations for the SBK Line from 31 to 29 stations.



# CONSTRUCTION

MRT Corp's SSP Line Project Division manages the construction of the SSP Line's elevated guideway, depots, tunnels and stations as well as the electrical & mechanical systems required for a fully functional railway system.

Similar to the arrangement with the SBK Line, the SSP Line Project Division handles two distinct roles.

For the elevated works, depots, multi-storey park and ride facilities and also the electrical & mechanical system works, the division oversees MMC Gamuda KVMRT (PDP SSP) Sdn Bhd, the PDP for the SSP Line which directly monitors the construction activities being carried out by the Work Package Contractors.

For the underground works, the division directly manages the construction works being carried out by the underground works contractor, especially in areas of progress, safety and quality.

The overall construction progress of the SSP Line was at 19.13%, placing it on programme.



## ELEVATED WORKS

The elevated works consists of ten elevated guideway work packages for the construction of over 38.7km of single and double-track guideways. It also includes the construction of 24 elevated stations and one depot at Serdang. There are also two provisional stations to be built in the future.

The construction of multi-storey park and ride facilities which are attached to the stations are also regarded as part of the scope of elevated works.

As at the end of the period under review, all 10 elevated guideway work packages, two segmental box girder (SBG) work packages, one depot package and six stations work packages had been awarded. The remaining station work packages were expected to be awarded in last quarter of 2017.

The actual progress of the elevated works was 15.22%, against the programme of 10.17%, placing it ahead of schedule.

During the period under review, bored piling, pile cap and pier construction in all elevated work packages were in progress. Earthworks were also progressing at the Serdang Depot.

The mass production of SBGs under work packages SBG201 and SBG202 was ongoing with 14.45% and 0.7% complete respectively. The launching of SBGs for the construction of the viaduct commenced in August 2017 for work package V202 and expected to commence in October 2017 for work package V201.

**“ ACTUAL PROGRESS OF THE ELEVATED WORKS WAS 15.22%, AGAINST THE PROGRAMME OF 10.17%, PLACING IT AHEAD OF SCHEDULE”**



## UNDERGROUND WORKS

The SSP Line underground works consist of the construction of twin bored tunnels and eleven underground stations along the 13.5km underground section of the alignment.

Underground works were 22.65% complete. For the construction of underground stations, temporary works had commenced at all underground station sites in 2017. As at 30 September 2017, permanent structure works such as the construction of diaphragm walls were underway at station sites such as Sentul West, Titiwangsa and Bandar Malaysia North.

For tunnelling works, during the period under review, two out of four new tunnel boring machines (TBM) had been manufactured by German TBM manufacturer Herrenknecht AG in its plant in China and passed their factory acceptance tests (FAT). The remaining two new TBMs were being manufactured and were 81% complete as at the end of the period under review.

Work to refurbish eight TBMs which had earlier been used for tunnelling in the SBK Line had been completed at the TBM refurbishment plant in Pusing, Perak. Seven of them had successfully passed their FAT at the end of the period under review.

Tunnel support equipment was being set up at the Titiwangsa tunnel site, Hospital Kuala Lumpur Crossover tunnel site, Conlay tunnel site, Chan Sow Lin tunnel site and Bandar Malaysia North tunnel site. Over 2,400 of 16,500 tunnel rings had been manufactured sufficiently in advance in preparation for tunnelling works which were expected to start within the first quarter of 2018.

Sites for the escape and intervention shafts as well as the Desa Water Park South Portal had been established during the period under review, with various stages of construction work in progress. Building protection works and grouting along the 13.5km long underground alignment was also in progress.

## ELECTRICAL & MECHANICAL SYSTEM WORKS

Electrical & mechanical system work packages for the SSP Line comprise of the following:

- Signalling & Train Control and Platform Screen Door/Automatic Platform Gate
- Integrated Control Supervisory Systems and Computerised Maintenance Systems
- Electric Train and Depot Equipment
- Trackworks and Maintenance Vehicles & Works Train
- Power Supply & Distribution System
- Communications, Government Integrated Radio Network, Commercial Telecom (Infra) and Information Technology System
- Automatic Fare Collection System

During the year under review, all electrical & mechanical system work package contractors had submitted their concept designs which were subsequently reviewed by the PDP and MRT Corp. A total of 375 documents for designs were submitted and reviewed.

With the concept designs completed, the work package contractors had begun the next stage of design which was the preparation of preliminary design prior to final design of the system works.

As at the end of the financial period, the overall electrical and mechanical system works progress was at 8.6% complete, against the programme of 4.3%, placing it ahead of schedule.

**“ OVER 2,400 OF 16,500 TUNNEL RINGS HAD BEEN MANUFACTURED SUFFICIENTLY IN ADVANCE IN PREPARATION FOR TUNNELLING WORKS WHICH WERE EXPECTED TO START WITHIN THE FIRST QUARTER OF 2018”**



# PROCUREMENT

As at the end of the year under review, 37 out of a total of 67 work packages had been successfully awarded, with 14 work packages with a total value of RM5.9 billion being awarded during the financial year.

A summary of the procurement status is shown in Table 1.

With the awards, all advance works packages, viaduct works packages, underground works package and mechanical & electrical system works packages had been awarded.

A complete list of work packages awarded as at 30 September 2017 is available at the appendix of this report.

During the period under review, a total of 26 One Stop Procurement Committee (OSPC) meetings were organised to deliberate and subsequently approve the award of the tenders for the SSP Line. Table 2 provides a summary of the meetings.

TABLE 1: PROCUREMENT STATUS FOR THE SSP LINE

No	Category of Work Packages	Projects awarded between 1 October 2016 and 30 September 2017	Projects awarded as at 30 September 2017
1	Advance Works:		
	i. Elevated	-	3
	ii. Underground	-	5
2	Underground Works	-	1
3	Connectivity Enhancement	-	-
4	Civil & Infrastructure:		
	i. Viaduct	6	10
	ii. Depot	1	2
	iii. Multi-Storey Carparks	-	-
	iv. Stations	6	6
5	System Works	-	7
6	Designated Suppliers (DS)	-	2
7	Designated Contractors (DC)	1	1
	TOTAL	14	37

TABLE 2: PROCUREMENT PROCESS MEETINGS FOR THE SSP LINE

No	Type of Meeting	Meetings held between 1 October 2016 and 30 September 2017	Cumulative meetings held as at 30 September 2017
1	Working Committee (WC)	32	87
2	One Stop Technical Committee (OSTC)	13	39
3	One Stop Procurement Committee (OSPC)	8	26
	OSPC III	-	5
	OSPC II	3	9
	OSPC I	5	12

# LAND

## LAND ACQUISITION

The land acquisition process for the SSP Line started in July 2015 with the gazetting of lots which might be acquired under Section 4 of the Land Acquisition Act 1960, followed by the gazetting of lots for compulsory acquisition under Section 8 of the same act in September 2015.

As at the end of September 2017, land acquisition for the 99 lots in Selangor had been completed.

For Kuala Lumpur, 181 of 300 lots were issued with the Form K following the completion of the acquisition process and the disbursement of the requisite compensation. Land hearing was pending for the remaining lots.

There was a reduction in the number of lots to be acquired from the previous financial year due to changes in the needs of the project and also mutual agreements for coexistence.

As at the end of the period under review, the amount of compensation disbursed was RM4.3 billion.

## MUTUAL AGREEMENT

As with the SBK Line, the mutual agreement for coexistence mechanism was also applied for the SSP Line.

The mechanism allowed some land owners whose lands were originally to be acquired under the Land Acquisition Act 1960 to retain ownership subject to the land titles reflecting the presence of the MRT structures.

For the SSP Line, six land owners had signed mutual agreements. Negotiations were ongoing with other landowners, some of whom had provided access to enable construction work for the SSP Line to begin at their respective lands.

As at the end of the period under review, the only judicial review case for the SSP Line involved an appeal by the land owner against the High Court’s decision in favour of MRT Corp. MRT Corp has also been named in a number of civil suits for alleged breach of contract, tort and land acquisition.



# CENTRALISED LABOUR QUARTERS

The Centralised Labour Quarters (CLQ) concept was introduced by MRT Corp in the hope of establishing a new standard in terms of housing for workers in the construction industry.

Introduced for the construction of the SBK Line, the CLQs provide a clean, comfortable, safe and secure environment for both local and foreign workers to live in.

During the period under review, four CLQs – three in Sungai Buloh and one in Cochrane – previously used for the SBK Line, were refurbished and occupied by workers of the SSP Line in January 2017.

In Serdang, construction was in progress for seven new CLQs, with options to build a further two CLQs should the need arise. The CLQs at this site will house workers working on the southern section of the SSP Line. Each CLQ can house about 600 people.

The CLQs for the SSP Line have some improved features from those used during the SBK Line. For example, the number of occupants staying in a cabin has been reduced from eight to six, thus giving more room space for the occupants.

Besides living quarters, the CLQs also provide cooking and dining facilities, suraus, kiosks, first-aid room, futsal courts and other recreation facilities. Free transportation is also provided for the workers to travel to their respective worksites.

The facilities are in compliance with the Labour Department’s guidelines and MS 2593:2015 Temporary Construction Site Workers’ Amenities and Accommodation.

During the period under review, several activities and events took place at the CLQs such as a visit by representatives from the Indonesian Embassy and Bangladeshi High Commission on 27 March 2017 and a visit by a delegation from Perbadanan Putrajaya on 9 June 2017.

A seminar on CLQs and Workers Accommodation was also organised by MRT Corp on 7 September 2017.



“CLQS PROVIDE A CLEAN, COMFORTABLE, SAFE AND SECURE ENVIRONMENT FOR BOTH LOCAL AND FOREIGN WORKERS TO LIVE IN”



# BUMIPUTERA PARTICIPATION

MRT Corp’s Bumiputera participation programme for the SSP Line is built on the success of that for the SBK Line. The target for the participation of Bumiputera companies in the construction of the SSP Line is 45% of the total value of contracts awarded, up from 43% for the SBK Line.

As at the end of the period under review, a total of RM14 billion worth of work packages had been awarded to Bumiputera companies. The breakdown of the categories of the work packages are in Table 3.

In addition to the above, the initiative to include Construction Industry Development Board (CIDB) Grade G1 to G6 Bumiputera contractors in the construction of the SSP Line saw increased subcontract allocations for these companies.

For elevated works, RM300 million worth of subcontracts had been allocated for CIDB Grade G1 to G4 Bumiputera companies and another RM300 million worth of subcontracts had been set aside for Grade G5 to G6 Bumiputera companies. For underground works, RM300 million worth of subcontracts had been set aside for CIDB Grade G1 to G6 Bumiputera companies.

During the period under review, Bumiputera contractors belonging to CIDB Grade G1 to G4 were awarded by way of balloting a total of 24 subcontracts worth RM 8.3 million. These comprised of 17 subcontracts with a total value of RM 6.5 million for underground works and seven subcontracts worth a total of RM 1.8 million for elevated works.

For CIDB Grade G5 Bumiputera companies, a total of five subcontracts worth RM29.4 million were awarded while for CIDB Grade G6 Bumiputera companies, two subcontracts worth RM16.5 million were awarded. All the subcontracts were for elevated works.

TABLE 3: BUMIPUTERA PARTICIPATION PROGRAMME IN THE MRT SUNGAI BULOH-SERDANG PUTRAJAYA LINE

Item	Description	Works Packages Awarded to Date		Worked Packages Awarded to Date to Bumiputera	
		Nos	RM (Mil)	Nos	RM (Mil)
1	Advance Works	8	374.4	5	164.1
2	Underground Works <sup>1</sup>	1	15,470.0	-	7,735.0
3	Elevated Civil Works				
	i. Viaduct	10	9,430.5	4	3,482.2
	ii. Stations	9	2,044.1	6	1,290.1
	iii. Designated Supplier	2	369.0	1	170.0
	iv. Designated Contractor	6	503.3	2	88.1
4	Depot	2	437.7	2	437.7
5	Multi-Storey Park and Ride	-	-	-	-
6	System Works <sup>2</sup>	7	4,643.0	-	1,822.0
	<b>Sub-Total Contract Sum</b>	<b>45</b>	<b>33,272</b>	<b>20.0</b>	<b>15,189.2</b>
	Adjustment for prime cost sum <sup>3</sup>	-	(2,668)	-	(1,272.5)
	<b>TOTAL ADJUSTED CONTRACT SUM</b>	<b>45</b>	<b>30,604</b>	<b>20.0</b>	<b>13,916.7</b>

Note

<sup>1</sup> Underground Works Contractor consists of a joint venture comprising 50% Bumiputera (MMC Corporation Bhd) and 50% non-Bumiputera (Gamuda Bhd)

<sup>2</sup> System Works Packages have mandatory minimum 35% Bumiputera participation requirement. Some awarded work packages have exceeded this requirement.

<sup>3</sup> Prime cost sum adjustment applies to all Viaduct and Underground Works Packages.



**SECOND MRT YOUNG ENTREPRENEUR PROGRAMME**

Following the success of the first MRT Young Entrepreneur Programme (MYEP I), a second MRT Young Entrepreneur Programme (MYEP II) was implemented for the SSP Line. The programme is being carried out in a strategic alliance with Perbadanan Usahawan Nasional Berhad (PUNB) and the CIDB.

A more organised and robust 12 months training program was designed for the MYEP II, which included six months of intensive professional construction industry training by CIDB, three months of management, entrepreneurship and motivational training by PUNB and three months of site attachment under MRT Corp and the PDP.

Sixty candidates were originally selected for the MYEP II and they would be allotted 50 subcontracts upon graduation.

During the period under review, 52 participants had completed their training programme and managed to set up 24 companies with CIDB G2 licenses. These companies would continue to receive guidance and support, and their performance monitored, under the programme.



**INDUSTRIAL COLLABORATION PROGRAMME**

**As with the SBK Line, the Industrial Collaboration Programme (ICP) is also being implemented for the SSP Line.**

The programme is currently in the pre-implementation stage whereby 18 Work Package Contractors involved in the construction of the SSP Line will propose ICP initiatives that will be mutually agreed with MRT Corp before the ICP agreements are signed.

The SSP Line ICP is targeted to be completed in 2022. When it is completed, the programme is expected to contribute RM6.98 billion in ICP Credit Value to the Malaysian economy.





# SAFETY, HEALTH AND ENVIRONMENT

Safety, health and environment (SHE) initiatives have always been given an important place in the construction of the KVMRT Project. As the project is being constructed in an urban environment, it is crucial for everyone involved in the project to understand the importance of making project sites safe places to work in.

To achieve this objective, MRT Corp has collaborated with the Construction Industry Development Board of Malaysia (CIDB) and the National Institute of Occupational Safety and Health (NIOSH) in developing the Behavioural-Based Safety in Construction Guidelines. The focus of this is to ensure that workers adopt behaviour that ensures safety at sites.

MRT Corp organised the MRT Occupational Safety and Health (OSH) Conference 2017 on 26 and 27 April 2017. The conference aimed to educate personnel from MRT Corp, PDP and Work Package Contractors (WPC) about SHE measures in the construction industry. It was launched by Deputy Director General, Department of Occupational Safety and Health Tuan Haji Omar Mat Piah.

A photography contest with the theme Best Practice at the KVMRT Project was organised as part of the conference, where the entry pictures needed to show best safety practices at work sites. The contest was open to WPCs between 10 April 2017 and 21 April 2017. The photographs were uploaded onto MRT Corp's social media platforms and the winner was selected based on the most likes.

A Road Safety Awareness Training was organised by MRT Corp to remind the employees about safety on the road. Talks were given by speakers from the Social Security Organisation and the Road Safety Department of Malaysia. At the end of the event, participants were presented with safety vests. An OSH Slogan competition was also organised for MRT Corp employees in conjunction with the celebration of World OSH Day.

In terms of the environment, MRT Corp, in collaboration with PDP, will be organising the MRT Treasure Hunt 2017 in October 2017.

MRT Corp will also be organising the Environmental Management Conference in December 2017 with the theme “ Greening of Kuala Lumpur with MRT ”.



# STAKEHOLDER AND PUBLIC RELATIONS

## STAKEHOLDER RELATIONS

With the construction of the SSP Line in full swing, stakeholder issues similar to those experienced during the construction of the SBK Line were now being raised by impacted parties. Among them were noise, road congestion, land acquisition and traffic diversions.

There were also queries on the future train service, such as fares, schedules, frequency, park and ride facilities and facilities for people with special needs.

During the period under review, over 100 engagement sessions were carried out by MRT Corp together with the PDP. These engagements were important platforms for both MRT Corp and the stakeholders to solve issues while at the same time fostering good relations among the parties.



## EVENTS AND ACTIVITIES

During the period under review, MRT Corp organised a visit by the representatives from the High Commission of Bangladesh and Indonesian Embassy on 26 April 2017 to the Centralised Labour Quarters which had been refurbished to accommodate workers for the SSP Line.

During the visit, Bangladeshi High Commission Labour Attaché Mr Sayedul Islam and Indonesian Embassy Transport Attaché Mr Mochamad Abduh got to see for themselves the facilities in the CLQ available for workers. They also took the opportunity to interview citizens from their home countries on how they were faring in Malaysia.

The media were also invited to provide coverage on the visit.

MRT Corp also organised several seminars and conferences, including the Environmental Management Conference 2016 on 4 October 2016 in conjunction with World Environment Day, and the MRT Occupational Safety and Health Conference 2017 held on 27 and 28 April 2017.

Besides organising conferences, MRT Corp also took part in several exhibitions which were held in conjunction with major conferences, seminars and events, such as the ITS Seminar and Exhibition 2017, Memacu Agenda Bumiputera 2017, MAPEX 2017 and the Federal Territory-level Negaraku@Komuniti Programme. MRT Corp also hosted various groups including Government officials from Malaysia and overseas, fund managers, Malaysian and overseas students and also non-governmental organisations.

Several community-based and corporate social responsibility activities were also organised by MRT Corp during the financial year, including the MRT Blood Donation Campaign in May 2017, and the Hari Ceria Bersama MRT Corp Programme which saw children from kindergartens located along the SSP Line participating in activities such as colouring contests, puzzle solving contests and pop quizzes held at the MRT Information Centres on 19 and 26 September 2017.



DIGITAL COMMUNICATIONS

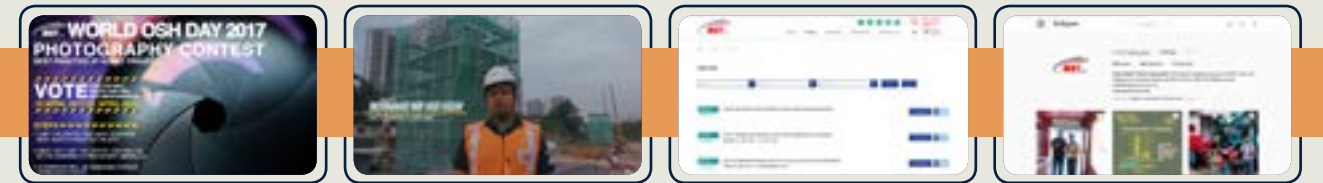
Digital properties of MRT Corp continued to support the communication strategies and activities through sharing of current news and latest updates about the construction of the SSP Line.

During the period under review, social media channels were deployed for campaigns such as the World OSH Day 2017 Photography Contest Facebook Voting and the #PeopleOfMRT videos where employees of MRT Corp talked about their roles in the project.

A new addition to the website was the “Notices” section which provided the public with information regarding construction activities of the SSP Line. During the year under review, the MRTMalaysia Facebook page managed to gather a total of 51,000 followers and likes, while @MRTMalaysia, MRT Corp’s verified Twitter account, successfully acquired 25,000 followers.

Instagram provided MRT Corp the opportunity to engage with the 12,000 followers on the MRTMalaysia account. For YouTube, there were 3,800 subscribers with 11,000 new visitors to the MRTMalaysia channel.

MRT Corp’s website, www.mymrt.com.my was another tool used for digital communications having accumulated 450,000 new visitors during the period under review.



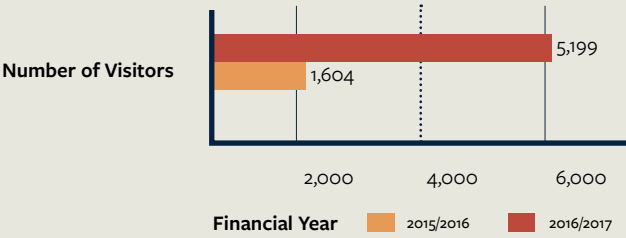
MRT TOUCHPOINTS

MRT Information Centres

The two MRT Information Centres (MIC) are located at Jalan Sultan Azlan Shah (formerly known as Jalan Ipoh, Kuala Lumpur) and Seri Kembangan.

Besides information boards about the SSP Line, the MIC is also equipped with an interactive Hawkeye application which gives a 360-degree aerial view of the entire 52.2km SSP Line. The MIC also has brochures and forms for feedback to be given.

During the period under review, a total of 5,199 people visited the two MICs.

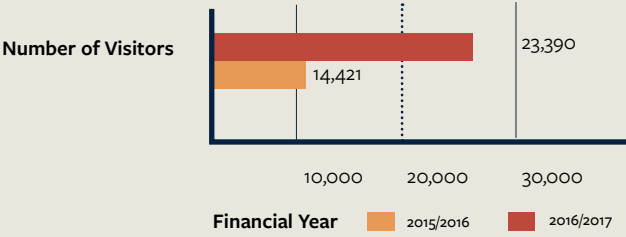


MRT Information Kiosk

The MRT Information Kiosk (MIK) makes a two-month circuit around venues such as shopping malls, SBK Line stations, government agencies and other activity centres located within 10km of the SSP Line.

The MIK consists of a mobile booth with information boards and television screens. Like the MIC, the MIK also has the interactive Hawkeye application.

During the period under review, the MIK received 23,390 visitors.

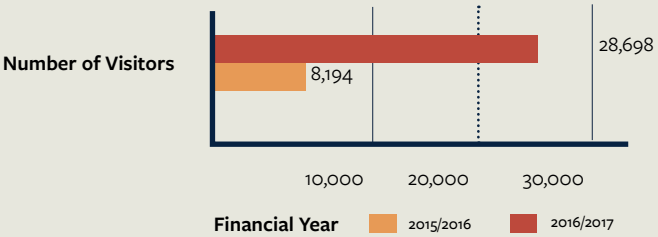


MRT Information Truck

The MRT Information Truck (MIT) is a mobile information centre which allows the public easy access to information about the KVMRT Project. The truck has information boards with details and information on the project, the interactive Hawkeye application, brochures and project videos.

The MIT is deployed at shopping centres, offices, mosques, schools and colleges, community festivals and also property sales galleries within 10km from the SSP Line.

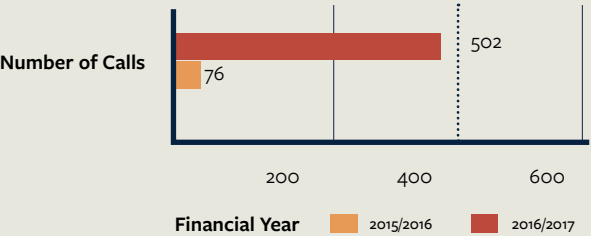
The truck has been receiving overwhelming support from the public with 28,698 visitors during the financial year.



MRT Hotline

The 24-hour MRT Hotline with the number 1-800-82-6868 has been running since December 2011 for the SBK Line and now, continues to function to cater to the SSP Line.

During the year under review, the hotline has received 502 calls related to the SSP Line.







**COMMERCIAL**



# COMMERCIAL

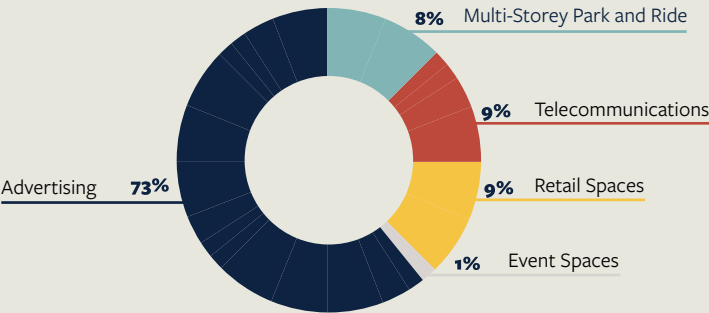
MRT Corp’s Commercial Division manages all non-fare revenue generating activities which include advertising, retail space rental, event space rental, filming, photography, new technology, commercial telecommunications, park and ride facilities and property development.

These activities are in line with the MRT Handing Over and Operating Agreement which MRT Corp signed with Prasarana Malaysia Berhad whereby MRT Corp receives all non-fare revenue generated by the SBK Line, while Prasarana Malaysia Berhad receives all fare revenue from trains and buses.

The total non-fare revenue for the year under review was RM 16.4 million.

A summary of the non-fare revenue segments is shown in Table 4.

TABLE 4: NON-FARE REVENUE SEGMENTS



## ADVERTISING

Advertising contributes the highest revenue share to MRT Corp, providing 73% of all revenue during the year under review.

Divided into four different packages, they are Station Interior Package, Train Advertising Package, Station Exterior Package (Outdoor) and Station Naming Rights. The appointed concessionaire for the Station Interior Package and Train Advertising Package is Titanium Compass Sdn Bhd, while for the Station Exterior Package (Outdoor) is Big Tree Seni Jaya Sdn Bhd.

MRT Corp handles the Station Naming Rights Programme on its own.

During the period under review, both Titanium Compass and Big Tree Seni Jaya had begun rolling-out the advertising campaigns of their commercial clients.

For station interior and train advertising, the materials used were stickers and tarpaulins which were applied onto a few attractive advertising mediums such as pillar wraps, lightboxes, walls, floors, ceiling, platform screens, balustrades and also train wrap-arounds. For external advertising, the formats used included lights boxes mounted on piers, gantry-like lightboxes straddling portal piers, pier wraps and LED digital pillar wraps.

For Station Naming Rights, MRT Corp announced on 11 July 2017 that four licensees had been selected for the program. They were as follows:

- Pavilion Kuala Lumpur for the Bukit Bintang Station
- Pavilion Damansara Heights for the Pusat Bandar Damansara Station
- Manulife for the Semantan Station
- AEON for the Maluri Station

The program allowed a licensee’s logo or product branding to be associated with a station.

The licensing duration for each station ranged from three years to a maximum of 10 years. The successful licensees were selected based on the highest bids with licensing fees for stations starting at RM1.5 million per year for a minimum of three years or RM1.2 million per year for a minimum period of five years.

Moving forward, in conjunction with the roll out of digital screens by the concessionaire in 2018, digital advertising will become the main focus. Other areas for advertising to expand into include MRT Corp’s feeder buses, station lay-bys and the multi-storey park and ride buildings. The second roll out of the Station Naming Rights Programme will be carried out in 2018.

## COMMERCIAL TELECOMMUNICATIONS

Staying connected has now become an important part of everyone’s life. As such, MRT Corp has taken the necessary steps to ensure continuous communication availability along the MRT alignment, especially the underground sections.

MRT Corp managed to set a benchmark by providing full communications network coverage upon the launch of the SBK Line on 17 July 2017 when the underground section with seven underground stations was opened.

With the infrastructure installed to enable this, new opportunities for MRT Corp to derive revenue from these assets have also arisen. The realisation of these opportunities is being undertaken by the Commercial Telecommunication Unit.

During the period under review, the Malaysian Communications and Multimedia Commission (MCMC) audited MRT Corp’s commercial telecommunication infrastructure deployment. This was carried out as part of the issuing of a Network Facilities Provider Individual Licence to MRT Corp.

Furthermore, the Communications and Multimedia Ministry granted the compliance certification on Personal Data Protection to MRT Corp in compliance with the Personal Data Protection Act 2010.

During the period under review, MRT Corp appointed a Third-Party Operator as a partner that would oversee the commercialisation of MRT Corp’s commercial telecommunication infrastructure for the SBK Line which would enable mobile in-building coverage, fibre optic communications and public Wi-Fi that would be rolled out in the future, as well as cater to future telecommunications technology.

Commercial telecommunications is expected to become a significant revenue contributor to MRT Corp.

## RETAIL SPACE

While an MRT station’s primary function is to enable commuters to board and leave trains as quickly as possible, having retail outlets at stations which cater to the need of train users has become the norm worldwide.

With the opening of the SBK Line, retail outlets in stations along the northern and southern elevated sections began operating. These retail outlets, which average around 20 metre square, were tendered out during the previous financial year.

At the end of the period under review, 34 retail outlets had opened. The outlets were operated by 14 companies with the most common business being convenience stores.

During the period under review, the Commercial Department explored opportunities for retail outlets in underground stations. Due to technical constraints, only three underground stations would be able to have retail lots, namely Bukit Bintang Station, Muzium Negara Station and Tun Razak Exchange Station.

As the retail lots at underground stations would be located in the heart of Kuala Lumpur, the standards and criteria for the bidding exercise were set higher, with the hope of targeting international brands with the “grab and go” retailing concept to cater to the needs of commuters.





PARK AND RIDE FACILITIES

MRT Corp owns five multi-storey and three at-grade parking facilities to cater for park and ride users. They were opened to the public at the same time as the opening of the SBK Line. The multi-storey park and ride buildings are located next to the Sungai Buloh, Phileo Damansara, Taman Midah, Bukit Dukung and Sungai Jernih Stations while the at-grade parking facilities are located next to the Maluri, Bandar Tun Hussein Onn and Taman Suntex Stations.

During the period under review, MRT Corp successfully appointed by way of tender the operators for the park and ride facilities. The location of the park and ride facilities, number of parking bays and their operators are summarised in Table 5.

TABLE 5: PARK AND RIDE FACILITIES

No	Park and Ride Name	Operator	No of Parking Bays
1	Sungai Buloh	Metro Parking (M) Sdn Bhd	1,499
2	Phileo Damansara	Metro Parking (M) Sdn Bhd	725
3	Maluri	Metro Parking (M) Sdn Bhd	303
4	Taman Midah	Operasi Jitu Sdn Bhd	1,644
5	Taman Suntex	Metro Parking (M) Sdn Bhd	112
6	Bandar Tun Hussein Onn	Metro Parking (M) Sdn Bhd	313
7	Bukit Dukung	Operasi Jitu Sdn Bhd	466
8	Sungai Jernih	Operasi Jitu Sdn Bhd	915

EVENTS, FILMING, PHOTOGRAPHY AND NEW TECHNOLOGY

Another source of revenue for MRT Corp is from events, filming and photography where the role of the Commercial Department is to manage and lease spaces to third party clients for activation, events and promotional activities, as well as video and photo shoots in MRT stations and trains.

Activities can also involve MRT feeder buses, where a third-party organiser is able to charter feeder buses for filming, photography or events.

During the period under review, around 30 events and filming activities had been held at MRT stations and trains. Those who held such events included Government ministries, departments and agencies; property developers and other organisations.

Filming activities included shooting for short films, video clips and television programmes, while a fashion photo shoot was also carried out at a station and on a train.

For new technology, during the period under review, the Commercial Department focussed on exploring and identifying key areas to be ventured into in 2018.

PROPERTY

MRT Corp’s Property Department was formed to promote Transit-Oriented Development (TOD) at and in the vicinity of stations along the MRT line. These include topside and landbank development at stations and park and ride facilities.

Potential TOD include integrated development projects, high-rise apartments, retail complexes and even parks.

During the period under review, an Investment Committee was formed to evaluate and assess the commercial activities including the development of TODs along MRT lines.

A Transit Oriented Development Committee was also formed during the financial year, comprising representatives of all relevant Government agencies and approving authorities. This platform was created to facilitate and coordinate the smooth implementation of TOD projects. The inaugural meeting of this committee is expected to be held in December 2017.

The Property Department was given the approval during the period under review by the Investment Committee and the MRT Corp Board of Directors for the adoption and implementation of the MRT City Master Plan and the Business Plan for TOD along the SBK Line and the SSP Line.







# FINANCIAL REPORT



# FINANCIAL REPORTS

## STATEMENT OF FINANCIAL POSITION AS AT 30 SEPTEMBER 2017

Amount in RM'000			
		2017	2016
<b>Assets</b>			
Property, plant and equipment		3,841,983	20,181,393
<b>Total non-current assets</b>	<b>(A)</b>	<b>3,841,983</b>	<b>20,181,393</b>
Current tax assets		1,048	1,286
Other receivables and prepayments		1,852,933	1,274,510
Cash and cash equivalents	<b>(B)</b>	444,266	759,253
<b>Total current assets</b>		<b>2,298,247</b>	<b>2,035,049</b>
<b>Total assets</b>	<b>(A+B)</b>	<b>6,140,230</b>	<b>22,216,442</b>
<b>Equity</b>			
Share capital		415,000	275,000
Contribution from Government of Malaysia		27,607,203	20,847,203
Accumulated losses		(25,342,123)	(32,280)
<b>Equity attributable to the owners of the company</b>	<b>(C)</b>	<b>2,680,080</b>	<b>21,089,923</b>
<b>Liabilities</b>			
Other payables and accruals		3,460,150	1,126,519
<b>Total current liabilities</b>		<b>3,460,150</b>	<b>1,126,519</b>
<b>Total liabilities</b>	<b>(D)</b>	<b>3,460,150</b>	<b>1,126,519</b>
<b>Total equity and liabilities</b>	<b>(C+D)</b>	<b>6,140,230</b>	<b>22,216,442</b>

## STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME FOR THE YEAR ENDED 30 SEPTEMBER 2017

Amount in RM'000		
	2017	2016
Other income	14,391	2,748
Administrative expenses	(69,941)	(53,375)
Impairment loss on property, plant and equipment	(24,994,554)	-
Property, plant and equipment written off	(301,305)	-
Finance income	41,301	39,969
Finance cost	(15)	(11)
<b>(Loss)/Profit before tax</b>	<b>25,310,123</b>	<b>(10,669)</b>
Tax expense	280	4,372
<b>(Loss)/Profit and total comprehensive (loss)/income for the year</b>	<b>(25,309,843)</b>	<b>(6,297)</b>

## STATEMENT OF CHANGES IN EQUITY FOR THE YEAR ENDED 30 SEPTEMBER 2017

Amount in RM'000				
	SHARE CAPITAL	CONTRIBUTION FROM GOVERNMENT OF MALAYSIA	ACCUMULATED LOSSES	TOTAL
At 1 October 2015	175,000	15,042,203	(25,983)	15,191,220
Issue of ordinary shares	100,000	(100,000)	-	-
Contribution from Government of Malaysia	-	5,905,000	-	5,905,000
<b>Profit and total comprehensive income for the year</b>	-	-	(6,297)	(6,297)
At 30 September 2016/ 1 October 2016	275,000	20,847,203	(32,280)	21,089,923
Issue of ordinary shares	140,000	(140,000)	-	-
Contribution from Government of Malaysia	-	6,900,000	-	6,900,000
Loss and total comprehensive loss for the year	-	-	(25,309,843)	(25,309,843)
<b>At 30 September 2017</b>	<b>415,000</b>	<b>27,607,203</b>	<b>(25,342,123)</b>	<b>2,680,080</b>



STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 30 SEPTEMBER 2017

	Amount in RM'000	
	2017	2016
<b>Cash flows from operating activities</b>		
(Loss)/Profit before tax	(25,310,123)	(10,669)
Adjustments for:		
Depreciation of property, plant and equipment	5,955	6,363
Property, plant and equipment written off	301,305	-
Loss on disposal of property, plant and equipment	-	213
Finance income	(41,301)	(39,969)
Finance costs	15	11
<b>Operating loss before changes in working capital</b>	<b>(49,595)</b>	<b>(44,051)</b>
Changes in working capital:		
Other receivables, deposits and prepayments	(269,866)	(338,338)
Other payables and accruals	(8,568)	32,201
<b>Cash used in operations</b>	<b>(328,029)</b>	<b>(350,188)</b>
Interest paid	(15)	(11)
Tax paid	(482)	(566)
<b>Net cash used in operating activities</b>	<b>(A)</b>	<b>(350,765)</b>
<b>Cash flows from investing activities</b>		
Acquisition of property, plant and equipment	(6,929,248)	(5,593,144)
Proceeds from disposal of property, plant and equipment	-	20
Interest received	41,787	40,906
<b>Net cash used in investing activities</b>	<b>(B)</b>	<b>(5,552,218)</b>
<b>Cash flows from financing activity</b>		
Contribution from Government of Malaysia	6,900,000	5,905,000
<b>Net cash from financing activity</b>	<b>(C)</b>	<b>5,905,000</b>
<b>Net increase/(decrease) in cash and cash equivalents</b>	<b>(A+B+C)</b>	<b>2,017</b>
Cash and cash equivalents at beginning of the year	759,253	757,236
<b>Cash and cash equivalents at end of the year</b>	<b>444,266</b>	<b>759,253</b>







# **AWARDED WORK PACKAGES**



# AWARDED WORK PACKAGES

Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Advance Works				
1	<b>AW1 - Package A</b> Dilapidation Survey Works for Semantan and Cochrane Launching Shaft	Cunningham Lindsey Adjusters (M) Sdn Bhd	2-Mar-2011	0.04
2	<b>AW2 - Package C1</b> Construction and Completion of Working Platform including Earthworks, Access Road, Drainage Works, TNB Substation, Retaining Walls, Utilities Protection and Ancillary Works for Semantan Launching Shaft	Menta Construction Sdn Bhd	3-Jun-2011	12.26
3	<b>AW3 - Package C2</b> Construction and Completion of Working Platform including Earthworks, Access Road, Drainage Works, TNB Substation, Retaining Walls, Utilities Protection and Ancillary Works for Cochrane Launching Shaft	Ragawang Corporation Sdn Bhd	3-Jun-2011	7.26
4	<b>AW4 - Package D1</b> Relocation of Existing Telecommunication and Power Supply Cables for Cochrane Launching Shaft	E.S.S. Engineering Sdn Bhd	27-May-2011	0.01
5	<b>AW5 - Package D2</b> Relocation of Existing Sewerage and Water Mains for Cochrane Launching Shaft	Puncak Niaga (M) Sdn Bhd	24-Jun-2011	0.49
6	<b>AW6 - Package E</b> Supply and Installation of Instrumentation and Equipment for Monitoring Works including Automated Total Station for Semantan and Cochrane Launching Shaft	Soil Instruments (M) Sdn Bhd	9-Jun-2011	1.15
7	<b>AW7 - Package F1</b> Construction and Completion of Contiguous Bored Piles including Ground Anchor for Semantan Launching Shaft	Geohan Sdn Bhd	6-Mar-2012	6.58
8	<b>AW8 - Package F2</b> Construction and Completion of Secant Bored Piles for Cochrane Launching Shaft	Bauer (M) Sdn Bhd	15-Aug-2011	10.59
9	<b>AW9</b> Construction and Completion of Earthworks and Associated Works (Phase 1) at Sungai Buloh Depot	Gadang Engineering (M) Sdn Bhd	9-Jun-2011	23.91
10	<b>AW10</b> Demolition of Chiller Room, Pump Houses and Removal of Piles Obstructing TBM Drive at IPPKKL	Pembinaan CW Yap Sdn Bhd	17-Oct-2011	2.65
11	<b>AW11 - Package GPL1</b> Relocation of Existing Gas Pipe Line for Muzium Negara Station	Misi Setia Oil and Gas Sdn Bhd	6-Mar-2012	0.92
12	<b>AW12 - Package SYB1</b> Relocation of Existing Water Pipe Line and Traffic Management for Utilities Relocation for Muzium Negara Station	Hatimuda Sdn Bhd	31-Jan-2012	5.69
13	<b>AW13 - Package TEL1</b> Relocation of Existing Telecommunication Lines for KL Sentral Station	Sri Communication Sdn Bhd	14-Dec-2011	0.70
14	<b>AW14 - Package TCO1</b> Relocation of Existing Fibre Optic Lines for Muzium Negara Station	Tenaga Nirwana (M) Sdn Bhd	14-Dec-2011	1.50
15	<b>AW15 - Package TNB1</b> Relocation of Existing Power Supply Cables for Muzium Negara and Merdeka Stations	Worktime Engineering Sdn Bhd	14-Dec-2011	1.72
16	<b>AW16 - Package TEL2</b> Relocation of Existing Telecommunication Lines for Merdeka Station	Sri Communication Sdn Bhd	14-Dec-2011	1.98
17	<b>AW17 - Package SYB2</b> Relocation of Existing Water Pipe Line for Maluri Station	MMC Gamuda KVMRT (PDP) Sdn Bhd	8-Mar-2012	8.34

Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Advance Works				
18	<b>AW18 - Package TEL3</b> Relocation of Existing Telecommunication Lines for Maluri Station	Sri Communication Sdn Bhd	19-Jan-2012	10.02
19	<b>AW19 - Package TCO2</b> Relocation of Existing Fibre Optic Lines for Maluri Station	Fastpro Sdn Bhd	19-Jan-2012	3.90
20	<b>AW20 - Package TNB2</b> Relocation of Existing Power Supply Cables for Maluri Station	Huls Transmission Sdn Bhd	6-Mar-2012	37.89
21	<b>AW21</b> Grouting Works, Underground Excavation, Ground Anchors and Rock Bolts for Cochrane Launching Shaft and Station	Keller (M) Sdn Bhd	8-Mar-2012	24.02
22	<b>AW22</b> Demolition of Superstructure for Klang Bus Stand, Plaza Warisan and UO Superstore, Supply and Installation of 1MVA Compact Substation and all Necessary Associated Works for Pasar Seni Station	Pembinaan C W Yap Sdn Bhd	6-Mar-2012	11.9
Viaduct				
23	<b>Elevated Section V1</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Sungai Buloh Station to Kwasa Damansara Station	Syarikat Muhibah & Perniagaan & Pembinaan Sdn Bhd	18-May-2012	1,092.3
24	<b>Elevated Section V2</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Kwasa Damansara Station to Surian Station	Gadang Engineering (M) Sdn Bhd	10-Jul-2012	863.39
25	<b>Elevated Section V3</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Surian Station to Section 17 Petaling Jaya	Mudajaya Corporation	10-Jul-2012	816.24
26	<b>Elevated Section V4</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Section 17 Petaling Jaya to Semantan Portal	Sunway Construction Sdn Bhd	18-May-2012	1,172.75
27	<b>Elevated Section V5</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Maluri Portal to Taman Connaught Station	IJM Construction Sdn Bhd	16-Feb-2012	974.78
28	<b>Elevated Section V6</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Taman Connaught Station to Bandar Tun Hussein Onn Station	Ahmad Zaki Sdn Bhd	16-Feb-2012	764.91
29	<b>Elevated Section V7</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Bandar Tun Hussein Onn Station to Taman Mesra	MTD Construction Sdn Bhd	18-May-2012	499.98
30	<b>Elevated Section V8</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Taman Mesra to Kajang Station	UEM Construction Sdn Bhd	26-Sep-2012	951.09
Depot				
31	<b>DPT1</b> Construction and Completion of Sungai Buloh Maintenance Depot, Administration Building, External Works And Other Associated Works	Trans Resources Corporation Sdn Bhd	18-May-2012	1,092.3
32	<b>DPT2</b> Construction And Completion of Kajang Maintenance Depot, External Works aand Other Associated Works	TSR Bina Sdn Bhd	24-Jul-2012	863.39
Underground Works				
33	Underground Works (Tunnel Stations & Associated Structures) between Semantan North Portal and Maluri South Portal	MMC Gamuda KVMRT (T) Sdn Bhd	30-Mar-2012	1,092.3



Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Multi-Storey Park and Ride				
34	<b>MSPR1</b> Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Sungai Buloh Station	TSR Bina Sdn Bhd	24-Jul-2012	117.11
35	<b>MSPR4</b> Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Phileo Damansara Station	Budaya Restu Sdn Bhd	30-Jun-2014	83.44
36	<b>MSPR6</b> Construction and Completion Of Multi-Storey Car Park Building, External Works and Other Associated Works at Taman Midah Station	Perkasa Sutera Sdn Bhd	30-Jun-2014	128.87
37	<b>MSPR8</b> Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Bukit Dukung Station	Innoseven Sdn Bhd	30-Jun-2014	115.98
38	<b>MSPR9</b> Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Kajang Station	Syarikat Muhibah Perniagaan & Pembinaan Sdn Bhd - Ibwani Resources Sdn Bhd Joint Venture	18-Mar-2013	50.70
39	<b>MSPR11</b> Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Sungai Jernih Station	RD Resources Sdn Bhd	30-Jun-2014	123.20
Electrical & Mechanical Systems				
40	<b>SBK-S-01</b> Engineering, Procurement, Construction, Testing and Commissioning of Electric Trains	Siemens Malaysia Sdn Bhd - Siemens AG - SMH Rail Sdn Bhd Consortium	28-Sep-2012	1,365.09
41	<b>SBK-S-02</b> Engineering, Procurement, Construction, Testing and Commissioning of Depot Equipment and Maintenance Vehicles	Consortium of Siemens Malaysia Sdn Bhd, Siemens AG, Hisniaga Sdn Bhd	28-Sep-2012	418.81
42	<b>SBK-S-03</b> Engineering, Procurement, Construction, Testing and Commissioning of Signalling and Train Control System	Bombardier (Malaysia) Sdn Bhd	28-Sep-2012	281.31
43	<b>SBK-S-04</b> Engineering, Procurement, Construction, Testing and Commissioning of Platform Screen Doors	Singapore Technologies Electronics Limited	31-Jan-2013	78.09
44	<b>SBK-S-05</b> Engineering, Procurement, Construction, Testing and Commissioning of Power Supply and Distribution System	Meidensha Corporation	28-Sep-2012	459.25
45	<b>SBK-S-06</b> Engineering, Procurement, Construction, Testing and Commissioning of Track Works	Mitsubishi Heavy Industries, Ltd	31-Oct-2012	855.00
46	<b>SBK-S-07</b> Engineering, Procurement, Construction, Testing and Commissioning of Telecommunication System	Apex Communications Sdn Bhd - LG CNS Co Ltd Consortium	31-Oct-2012	319.94
47	<b>SBK-S-08</b> Engineering, Procurement, Construction, Testing and Commissioning of Facility Scada	A.F.S. Engineering (M) Sdn Bhd - Singapore Technologies Electronics Limited Consortium	8-Nov-2012	23.24
48	<b>SBK-S-09</b> Engineering, Procurement, Construction, Testing and Commissioning of Automatic Fare Collection System	Affiliated Computer Services Solutions France SAS	22-Nov-2012	120.76

Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Electrical & Mechanical Systems				
49	<b>SBK-S-10</b> Engineering, Procurement, Construction, Testing and Commissioning of Electronic Access Control System	Apex Communications Sdn Bhd - Johnson Controls (M) Sdn Bhd Consortium	8-Nov-2012	41.01
50	<b>SBK-S-11</b> Engineering, Procurement, Construction, Testing and Commissioning of Building Management System	Metronic Engineering Sdn Bhd	8-Nov-2012	43.04
51	<b>SBK-S-12</b> Engineering, Procurement, Construction, Testing and Commissioning of Government Intergrated Radio Network	Sapura Research Sdn Bhd	4-Jun-2013	4.41
52	<b>SBK-S-13</b> Design, Procurement, Configuration, Installation, Testing and Commisioning, Training and Documentation of IT System for All Elevated and Underground Stations and Depots	EV-Dynamic Sdn Bhd	23-Jul-2014	44.47
Elevated Stations				
53	<b>S1</b> Construction and Completion of Elevated Stations and Other Associated Works at Sungai Buloh, Kampung Selamat and Kwasa Damansara	Trans Resources Corporation Sdn Bhd	28-Aug-2012	283.67
54	<b>S2</b> Construction and Completion of Elevated Stations and Other Associated Works at Kwasa Sentral, Kota Damansara and Surian	Naim Engineering Sdn Bhd	3-Oct-2012	204.66
55	<b>S3</b> Construction and Completion of Elevated Stations and Other Associated Works at Mutiara Damansara, Bandar Utama and Taman Tun Dr Ismail	UEM Construction Sdn Bhd	3-Oct-2012	275.77
56	<b>S4</b> Construction and Completion of Elevated Stations and Other Associated Works at Phileo Damansara, Pusat Bandar Damansara and Semantan	Naim Engineering Sdn Bhd	17-Jul-2012	208.15
57	<b>S5</b> Construction and Completion of Elevated Stations and Other Associated Works at Taman Pertama, Taman Midah, Taman Mutiara and Taman Connaught	IJM Construction Sdn Bhd	24-Jul-2012	228.91
58	<b>S6</b> Construction and Completion of Elevated Stations and Other Associated Works at Taman Suntex, Sri Raya and Bandar Tun Hussein Onn	Ahmad Zaki Sdn Bhd	28-Aug-2012	174.64
59	<b>S7</b> Construction and Completion of Elevated Stations and Other Associated Works at Batu Sebelas Cheras and Bukit Dukung	Apex Communications Sdn Bhd	28-Aug-2012	104.75
60	<b>S8</b> Construction and Completion of Elevated Stations and Other Associated Works at Sungai Jernih, Stadium Kajang and Kajang	Apex Communications Sdn Bhd	3-Oct-2012	251.74
Centralised Procument				
61	<b>SBG-Northern Section</b> Supply and Delivery of Segmental Box Girders (SBG) for MRT Sungai Buloh-Kajang Line (Northern Section)	SPC Industries Sdn Bhd	2-Feb-2012	223.18
62	<b>SBG-Southern Section</b> Supply and Delivery of Segmental Box Girders (SBG) for MRT Sungai Buloh-Kajang Line (Southern Section)	Eastern Pretech (M) Sdn Bhd	2-Feb-2012	185.91
63	Design, Supply, Installation, Testing and Commissioning of Noise Barriers and Enclosures	Muhibbah Engineering (M) Bhd - S & V Teknik Sdn Bhd - Samjung Steel Co. Ltd. Joint Venture	18-Mar-2013	201.99
64	<b>ESC1</b> Supply, Procurement, Installation, Testing and Commissioning of Environmental Control System for Elevated Package V1 to V4 and Sungai Buloh Depot	Kejuruteraan Astra Sdn Bhd	18-Mar-2013	44.18



Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Centralised Procument				
65	<b>ESC2</b> Supply, Procurement, Installation, Testing and Commissioning of Environmental Control System for Elevated Package V5 to V8 and Kajang Depot	FastColl Corporation Sdn Bhd	18-Mar-2013	21.97
66	<b>FD1</b> Supply, Procurement, Installation, Testing and Commissioning of Fire Detection and Protection System for Elevated Package V1 to V2 and Sungai Buloh Depot	P. J. Indah Sdn Bhd	4-Jun-2013	31.97
67	<b>FD2</b> Supply, Procurement, Installation, Testing and Commissioning of Fire Detection and Protection System for Elevated Package V3 to V4	FITTERS-MPS Sdn Bhd	16-Aug-2013	14.78
68	<b>FD3</b> Supply, Procurement, Installation, Testing and Commissioning of Fire Detection and Protection System for Elevated Package V5 to V6	Zulfan (M) Sdn Bhd	18-Mar-2013	18.82
69	<b>FD4</b> Supply, Procurement, Installation, Testing and Commissioning Of Fire Detection and Protection System for Elevated Package V7 To V8 and Kajang Depot	Mecomb Malaysia Sdn Bhd	13-Jun-2013	22.28
70	<b>SDTTE-1</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of Step Down Distribution Transformer for All Elevated Packages, Sungai Buloh and Kajang Depot	PTIS Engineering Sdn Bhd	18-Mar-2013	10.07
71	<b>UPS-E</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of Uninterruptible Power Supply for All Elevated Stations	Info-Matic Power Sdn Bhd	18-Mar-2013	6.69
72	<b>LS-E</b> Supply, Installation, Testing and Commissioning of Lift System for All Elevated Packages, Sungai Buloh Depot and Multi Storey Carparks	Otis Elevator Company (M) Sdn Bhd	18-Mar-2013	42.45
73	<b>ETS-E</b> Supply, Procurement, Installation, Testing and Commissioning of Escalator and Travelator System for All Elevated Stations	MS Elevators Engineering Sdn Bhd	31-Jan-2013	102.67
74	<b>LED-E</b> Design, Supply, Procurement, Installation, Testing and Commissioning of LED Lighting and Lighting Boom Equipment for All Elevated Packages	Norangkasa Enterprise Sdn Bhd	20-Dec-2013	39.90
75	<b>LS-U</b> Supply, Installation, Testing and Commissioning of Lift System for All Underground Stations and Ancillary Buildings	EITA Elevator (M) Sdn Bhd	25-Jul-2014	15.30
76	<b>ETS-U</b> Supply, Procurement, Installation, Testing and Commissioning of Escalator and Travelator System for All Underground Stations	EITA Elevator (M) Sdn Bhd	25-Nov-2014	79.00
77	<b>SDDT-U</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of Step Down Distribution Transformer for All Underground Stations and Ancillary Buildings	PTIS Engineering Sdn Bhd	25-Jul-2014	7.42
78	<b>UPS-U</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of Uninterruptible Power Supply for All Underground Stations	Info-Matic Power Sdn Bhd	13-Nov-2014	5.72
79	<b>LED-U1</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of LED Lighting for Underground Stations from Muzium Negara to Bukit Bintang	Sena Letrik (M) Sdn Bhd - LED Vision Sdn Bhd Joint Venture	1-Apr-2015	4.31
80	<b>LED-U2</b> Supply, Delivery and Supervision of Installation, Testing and Commissioning of LED Lighting for Underground Stations from Tun Razak Exchange to Maluri	Sena Letrik (M) Sdn Bhd - LED Vision Sdn Bhd Joint Venture	1-Apr-2015	2.98

Details of Work Packages Awarded for the MRT Sungai Buloh-Kajang Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Centralised Procument				
81	<b>OFF</b> Supply, Delivery and Installation of Office Furniture for All Elevated and Underground Stations, Depots and Multi Storey Car Parks	Puncak Bumi Utama Sdn Bhd	3-May-2016	7.86
82	<b>SIGN-E1</b> Supply, Procurement, Installation, Testing and Commissioning of Wayfinding and Operation and Maintenance Signage for Viaduct Section and Elevated Stations at Package V1, V2, V3 and V4	KI Engineering Sdn Bhd	3-May-2016	12.88
83	<b>SIGN-E2</b> Supply, Procurement, Installation, Testing and Commissioning of Wayfinding and Operation and Maintenance Signage for Viaduct Section and Elevated Stations at Package V5, V6, V7 And V8	Kemakmuran 2000 Sdn Bhd	3-May-2016	12.49
84	<b>SIGN-U</b> Supply and Delivery of Signages for All Underground Stations and Ancillary Buildings	S&I Urban Designers Sdn Bhd	5-May-2016	7.30
Paid Link				
85	Construction and Completion of Pasar Seni Paid Link and Other Associated Works Between Existing Pasar Seni LRT Station and Kuala Lumpur KTM Station.	Trans Resources Corporation Sdn Bhd	24-Mar-2016	103.80
Others				
86	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the Klang Valley Mass Rapid Transit Project, Sungai Buloh-Kajang Line at Lot 24728, Jalan Sungai Sekamat, 43000 Mukim Kajang, Daerah Hulu Langat, Selangor Darul Ehsan	Perkasa Jauhari Sdn Bhd	7-Oct-2015	64.91
87	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the Klang Valley Mass Rapid Transit Project, Sungai Buloh-Kajang Line at Lot 24728, Jalan Sungai Sekamat, 43000 Mukim Kajang, Daerah Hulu Langat, Selangor Darul Ehsan	Potensi Cekal Sdn Bhd	25-Mar-2016	62.50
88	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the Klang Valley Mass Rapid Transit Project, Sungai. Buloh-Kajang Line at Lot 2816 (PA 14383), Persiaran 2/118c, Kawasan Perindustrian Desa Tun Razak, Mukim Petaling, Daerah Petaling, 56000 Wilayah Persekutuan Kuala Lumpur	PASDEC Bina Sdn Bhd	4-May-2016	55.80
89	Manufacture, Supply, Delivery, Testing, Commissioning and Warranty of 150 units of Single Deck 10m Completely-Knocked-Down (CKD) Diesel City Feeder Bus	Scania (Malaysia) Sdn Bhd	8-Oct-2015	118.44
90	Manufacturing, Supply, Delivery, Testing, Commissioning and Warranty of 150 units of Single Deck 10m Completely-Knocked-Down (CKD) Diesel City Feeder Bus	Volvo Malaysia Sdn Bhd	8-Oct-2015	113.93
91	Designing, Manufacturing, Delivery, Integration, Testing, Commissioning and Warranty of MRT Feeder Bus System	LG CNS Malaysia Sdn Bhd	24-Nov-2015	42.20



Details of Work Packages Awarded for the MRT Sungai-Buloh-Serdang-Putrajaya Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Advance Work/ Elevated				
1	<b>AW201</b> Design and Build, Installation, Testing and Commissioning of TNB Pylon and Overhead Transmission Line Relocation	P.E.S.B. Engineering Sdn Bhd	23-Nov-15	10.36
2	<b>AW202</b> Design and Build, Installation, Testing and Commissioning of TNB Pylon and Overhead Transmission Line Relocation	Huls Transmission Sdn Bhd	23-Nov-15	7.55
3	<b>SBPQ</b> Proposed Design and Build of 17-Storey Police Quarters Consisting of 136 Units Class F Quarters complete with Facilities and Six-Storey Carpark Podium on Lot 46 and Lot 47, Jalan Suasa 2, Mukim Petaling, Pekan Sungai Besi, Kuala Lumpur	S.N. Akmida Holdings Sdn Bhd	15-Jul-16	59.50
Advance Work/ Underground				
4	<b>JKR CSL</b> Design and Build of New JKR Wilayah Persekutuan Workshop including Automotive and Heavy Machinery Workshop and Associated Buildings at Lot 1571, Jalan 6/19 Cheras together with Taska, Tennis Court and Access Road Development at existing JKR Wilayah Persekutuan Chan Sow Lin	Acre Works Sdn Bhd	02-Feb-16	77.79
5	<b>Kraf / A</b> Demolition Works at Block C, Bangunan Sultan Abdul Samad	Central Geo Sdn Bhd	02-Feb-16	1.98
6	<b>Kraf / B</b> Renovation and Conservation Works to Block A and Block C, Bangunan Sultan Abdul Samad (BSAS), including: i) Relocation of Craft Museum, “Karyaneka” Office, Craft Management Office and JWN Office to Block C, Bangunan Sultan Abdul Samad ii) Relocation of “Karyaneka” Craft Boutique and Souvenir Shops to Block A, Bangunan Sultan Abdul Samad iii) Relocation of Craft Village and Artist Village to Dataran Underground	Trans Resources Corporation Sdn Bhd	25-Mar-16	74.39
7	<b>Kraf / C</b> Design and Build of New Double Storey Structure for Cafeteria and “Preka” Centre at Craft Complex Kuala Lumpur, Jalan Conlay	M.O. Jaya Sdn Bhd	14-Mar-16	8.92
8	<b>SPQ</b> Design and Build of 20 Storey Police Quarters consists of 300 Units of Police Quarters Class F with Facilities and Five-Storey Podium Carpark	WCT Berhad	29-Mar-16	133.93
Underground Works				
9	<b>UNGW</b> Construction and Completion of Tunnels, Stations and Associated Structures from Jalan Ipoh North Escape Shaft to Desa Waterpark South Portal	MMC-Gamuda KVMRT (T) Sdn Bhd	31-Mar-16	15,470.00
Civil and Infrastructure/Viaduct				
10	<b>V201</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Sungai Buloh to Persiaran Dagang	Sunway Construction Sdn Bhd	31-Mar-16	1,213.00
11	<b>V202</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Persiaran Dagang to Jinjang	Ahmad Zaki Sdn Bhd	04-Apr-16	1,439.53
12	<b>V203</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Jinjang to Jalan Ipoh North Escape Shaft	IJM Construction Sdn Bhd	19-May-16	1,470.00
13	<b>V204</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Bandar Malaysia South Portal to Kampung Muhibbah.	WCT Berhad	14-Nov-16	896.41

Details of Work Packages Awarded for the MRT Sungai-Buloh-Serdang-Putrajaya Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Civil and Infrastructure/Viaduct				
14	<b>V205</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Kampung Muhibbah to Serdang Raya	Trans Resources Corporation Sdn Bhd	10-Mar-17	858.18
15	<b>V206</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Serdang Raya to UPM	Gadang Engineering (M) Sdn Bhd	10-Mar-17	952.09
16	<b>V207</b> Construction and Completion of Viaduct Guideway and Other Associated Works from UPM to Taman Pinggiran Putra	Mudajaya Corporation Berhad	15-Dec-16	558.64
17	<b>V208</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Taman Pinggiran Putra to Persiaran Alpinia	MTD Construction Sdn Bhd	17-Nov-16	678.68
18	<b>V209</b> Construction and Completion of Viaduct Guideway and Other Associated Works from Persiaran Alpinia to Persiaran APEC	Acre Works Sdn Bhd	10-Mar-17	715.99
19	<b>V210</b> Construction and Completion of Viaduct Guideway and Other Associated Works From Persiaran APEC to Putrajaya Sentral	Malaysian Resources Corporation Berhad	19-May-16	648.00
Civil and Structure/ Depot Works				
20	<b>DPT203</b> Construction and Completion of Earthworks and Other Associated Works for Serdang Depot	TSR Bina Sdn Bhd	05-May-16	89.40
21	<b>DPT201</b> Construction and Completion of Serdang Maintenance Depot, External Works and Other Associated Works	KKM-TRC Consortium (Consortium of Konsortium Kontraktor Melayu Sdn Bhd - Trans Resources Corporation Sdn Bhd )	12-Sep-17	348.30
Electrical & Mechanical System Works				
22	<b>SY201</b> Engineering, Procurement, Construction, Testing and Commissioning of Signalling and Train Control System and Platform Screen Doors or Automatic Platform Gates	Bombardier – Global Rail Consortium (Consortium of Bombardier (M) Sdn Bhd - Global Rail Sdn Bhd)	19-May-16	458.02
23	<b>SY202</b> Engineering, Procurement, Construction, Testing and Commissioning of Integrated Control Supervisory System and Computerised Maintenance Management System	Najcom - EVD Joint Venture (Joint venture of Najcom Sdn Bhd - EV Dynamic Sdn Bhd)	05-May-16	78.54
24	<b>SY203</b> Engineering, Procurement, Construction, Testing and Commissioning of Electric Trains and Depot Equipment	HAP Consortium (Consortium of Hyundai Rotem Company, Apex Communications Sdn Bhd, Posco Engineering Co Ltd )	19-May-16	1,620.90
25	<b>SY204</b> Engineering, Procurement, Construction, Testing and Commissioning of Trackworks, Maintenance Vehicles and Works Train	CCCC - George Kent Joint Venture (Joint venture of China Communication Construction Company Ltd - George Kent Malaysia Bhd)	25-Aug-16	1,007.29
26	<b>SY205</b> Engineering, Procurement, Construction, Testing and Commissioning of Power Supply and Distribution System	Colas Rail Consortium (Consortium of Colas Rail SA - Colas Rail System Engineering Sdn Bhd)	14-Jul-16	693.03



Details of Work Packages Awarded for the MRT Sungai-Buloh-Serdang-Putrajaya Line

No	Work Packages	Work Package Contractor	Date of Award	Contract Sum (RM Million)
Electrical & Mechanical System Works				
27	<b>SY206</b> Engineering, Procurement, Construction, Testing and Commissioning of Communications, Government Integrated Radio Network, Commercial Telecom (Infra) and Information Technology System	Sapura – EVD Consortium (Consortium of Sapura Holdings Sdn Bhd - EVD Dynamic Sdn Bhd)	01-Aug-16	632.00
28	<b>SY207</b> Engineering, Procurement, Construction, Testing and Commissioning of Automatic Fare Collection System	Indra Sistemas and Rasma Corporation Consortium (Consortium of Indra Sistemas SA - Rasma Corporation Sdn Bhd)	14-Sep-16	152.89
Designated Suppliers				
29	<b>SBC201</b> Supply and Delivery of Segmental Box Girders (SBG) (Packages V201 to V205)	SPC Industries Sdn Bhd	25-Mar-16	199.30
30	<b>SBC202</b> Supply and Delivery of Segmental Box Girders (SBG) (Packages V206 to V210)	Acre Works Sdn Bhd	25-Mar-16	169.99
Nominated Subcontractors to Elevated Works				
31	<b>S202</b> Construction and Completion of Elevated Stations and Other Associated Works at Kepong Sentral, Metro Prima, Kepong Baru and Jinjang	S.N. Akmida Holdings Sdn Bhd	21-Dec-16	254.90
32	<b>S201</b> Construction and Completion of Elevated Stations and Other Associated Works at Damansara Damai, Sri Damansara West and Sri Damansara East	Sunway Construction Sdn Bhd	10-Mar-17	212.30
33	<b>S203</b> Construction and Completion of Elevated Stations and Other Associated Works at Sri Delima, Kampung Batu, Kentonmen and Half Sunken Station Jalan Ipoh	IJM Construction Sdn Bhd	09-Jun-17	342.18
34	<b>S204</b> Construction and Completion of Elevated Stations and Other Associated Works at Kuchai Lama and Taman Naga Emas	WCT Berhad	19-Sep-17	199.50
35	<b>S208</b> Construction and Completion of Elevated Stations and Other Associated Works at Equine Park and Taman Putra Permai	S.N. Akmida Holdings Sdn Bhd	19-Sep-17	219.70
36	<b>S210</b> Construction and Completion of Elevated Stations and Other Associated Works at Cyberjaya City Centre and Putrajaya Sentral	Malaysian Resources Corporation Berhad	15-Sep-17	145.80
Designated Contractor				
37	<b>L&amp;E201</b> Supply, Procurement, Installation, Testing and Commissioning of Lift and Escalator System for Elevated Stations (Package: V201, V202 & Part V203)	Rani-MS Engineering Sdn Bhd	19-Sep-17	73.38

**NOTE:** \*Adjusted Awarded Amount is Awarded Amount less Prime Cost Sum & Provisional Sum Packages Awarded to date







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