



TOWARDS COMPLETION



Mass Rapid Transit Corporation Sdn Bhd
Annual Progress Report 2021



ABBREVIATION

APAD	• Agensi Pengangkutan Awam Darat
KVMRT	• Klang Valley Mass Rapid Transit
MRT Corp	• Mass Rapid Transit Corporation Sdn Bhd
MRTS	• Malaysia Rapid Transit System Sdn Bhd
PDP	• Project Delivery Partner
TC	• Turnkey Contractor
Prasarana	• Prasarana Malaysia Berhad
KG Line	• MRT Kajang Line
PY Line	• MRT Putrajaya Line
RTS Link	• Rapid Transit System Link

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The Year at a Glance

19 February 2021

The modern and futuristic design of the Bukit Chagar RTS Link Station, dubbed 'The Integration of Two', was unveiled after the conclusion of the PAM+MRT Corp RTS Link Station Facade Design Ideas Competition.



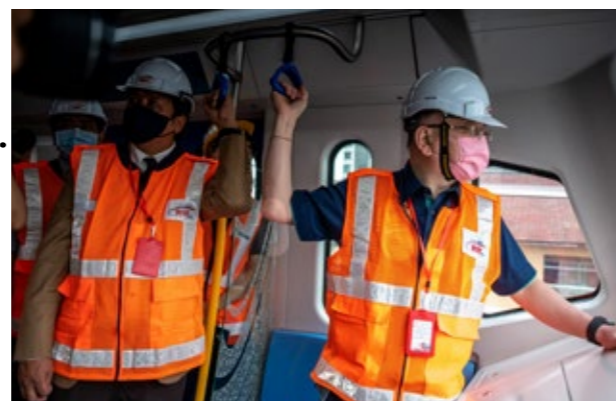
17 March 2021

The final PY Line train was rolled out from the Hyundai-Rotem plant in Changwon, South Korea, to be shipped to Malaysia.



3 April 2021

Transport Minister Datuk Seri Ir Dr Wee Ka Siong and Deputy Finance Minister I Dato' Datuk Abd Rahim Bakri visited Phase One of the PY Line to inspect the operation readiness of the line.



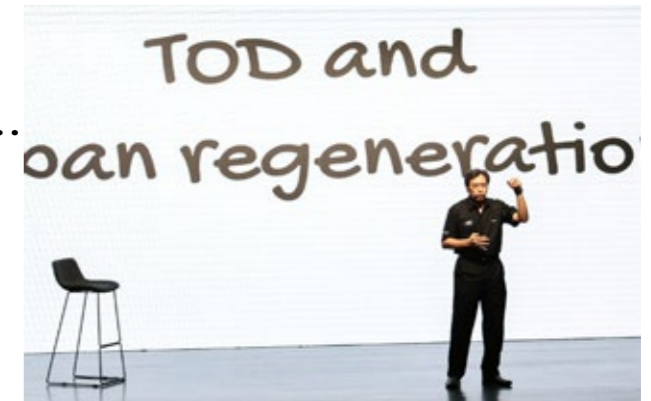
12 April 2021

MRT Corp received the 5-Star Sustainable INFRASTAR certificate for the PY Line as a piece of sustainable infrastructure. The certificate was presented by Construction Industry Development Board Malaysia Chief Executive Datuk Ir Ahmad 'Asri Abdul Hamid to MRT Corp CEO Datuk Mohd Zarif Hashim.



13 April 2021

MRT Corp CEO Datuk Mohd Zarif Hashim introduced the MRT3 Circle Line Project to members of media, consultants, industry players and other stakeholders in a briefing session entitled 'Insights: MRT3 Circle Line'.



4 May 2021

INFINITY, the design by husband and wife team Jaihar Jailani Ismail and Noor Syahidah Abdullah from Johor Bahru who won the first prize of TRANSEAT - The PY Line Underground Stations Bench Design Competition.



23 July 2021

Two MRT Feeder Buses were mobilised to transport members of the RC Deaf Missions Malaysia (RCDM) to University Malaya Medical Centre (UMMC) for their Covid-19 vaccination.



4 October 2021

The Transport Minister Datuk Seri Ir Dr Wee Ka Siong and Federal Territories Minister Dato' Seri Dr Shahidan Kassim visited the Hospital Kuala Lumpur (HKL) Crossover and the HKL MRT Station sites on 4 October 2021 to inspect the PY Line underground works.



22 November 2021

The Anti -Corruption Awareness Campaign on Public Transport was launched at the Muzium Negara MRT Station by MACC Chief Commissioner Tan Sri Azam Baki and MRT Corp CEO Datuk Mohd Zarif Hashim.



1 November 2021

The Land Public Transport Agency (APAD) Director General Datuk Azlan Shah Al Bakri inspected the operational readiness of Phase One of the PY Line stations and trains.



23 November 2021

A delegation from the Ministry of Transport visited several sites of the RTS Link Project between Johor Bahru and Singapore in conjunction with the commencement of the project's construction work.



10 November 2021

The Land Division of the Ministry of Transport (MOT) visited several stations along the PY Line Phase One section of the alignment to check on operation readiness.



14 December 2021

The PY Line Project won two Safety and Health Assessment System in Construction (SHASSIC) awards which were presented to MRT Corp in conjunction with Quality Assessment System in Construction (QLASSIC) and SHASSIC Day 2021.



20 November 2021

The final electric train set for the PY Line was successfully delivered to the Serdang MRT Depot.



Chief Executive Officer's Review

Financial Year 2021 was the year MRT Corp recharted its course towards regaining the momentum for its projects after the height of the Covid-19 pandemic, as well as other challenges in the previous years.

While construction works on the project never stopped, the onslaught of the pandemic nevertheless placed various constraints on MRT Corp and its projects. During this period, MRT Corp together with our Turnkey Contractor and Work Package Contractors placed the safety and welfare of our workers as our highest priority.

With regular testing for all workers and quick action for those who were positive, we were able to manage the situation and avoided suffering from critical delays. These steps had also prepared us better for recovery.

Final Lap for the Putrajaya Line

MRT Corp is happy to report that at the end of the period under review, construction of the entire Putrajaya Line was at 96.54% towards completion. Phase One between Kwasa Damansara and Kampung Batu was at 99.74% with all construction activities completed. All nine stations had obtained their Certificates of Completion and Compliance.

Phase One was originally meant to be opened to the public by November 2021. However, two out of hundreds of modules of the train operations systems needed further refinement. As a fully automated railway, the absolute safety of our passengers is paramount and can't be compromised.

This meant that all primary, secondary and tertiary layers of systems had to be stable before we could take possession of the asset from the Turnkey Contractor and clear it for operations. As the stability of the tertiary layer of two of these modules could not be established, we had to make the unpopular decision to revise the opening date of Phase One to the middle of 2022.

For the remainder of the line between Kampung Batu and Putrajaya Sentral under Phase Two operations, the tunnels and viaducts had been completed and handed over to the Trackwork Contractor for track-laying works. All trackwork for the elevated section was completed while the underground

section was at 99% completed at the end of the period under review.

For the elevated stations; final installation, snag list rectification and Certificate of Completion and Compliance application preparations were in progress. For all underground stations and ancillary buildings; architecture builder works and finishes, electrical and mechanical works as well as building services and system works were nearing completion.

Most of the system works for Phase Two were also nearing completion at the end of the period under review. The most significant system works milestone was achieved on 20 November 2021 with the delivery of the 49th and final electric train set to the Serdang Depot.

With the progress achieved, we are confident in achieving the targeted opening for Phase Two in January 2023.

RTS Link Project Activities Pick Up

A day after the RTS Link Project groundbreaking ceremony on 22 November 2020, MRT Corp and Persatuan Akitek Malaysia (PAM) launched the PAM+MRT Corp RTS Link Station Façade Design Ideas Competition for the design of the facade of the Bukit Chagar RTS Link Station.

The Jury Panel chaired by the Sultan of Johor, His Majesty Sultan Ibrahim Ibni Almarhum Sultan Iskandar, who was also patron of the competition, convened on 8 February 2021 to evaluate the submissions and pick the winning façade design.

The winning entry entitled 'The Integration of Two' by Johor Bahru-based SM Architects Sdn Bhd was announced on 19 February 2021. With a modern and imposing façade design, we are confident that the RTS Link Station in Bukit Chagar will not only become an iconic landmark in Johor Bahru but also amongst the great railway stations of the world.

The mandatory three-month public inspection for the RTS Link Project was also held during the period under review.

The exercise began virtually on 15 January 2021 due to the Movement Control Order, and was followed by the opening of

public inspection kiosks at Komtar Johor Bahru Convention Centre (JBCC) and the Land Public Transport Agency (APAD) Headquarters in Kuala Lumpur from 15 March 2021 to 15 April 2021. The exercise had garnered favourable response from visitors that gave their feedback during the Public Inspection period, where 96% approved and supported the project.

We are also pleased to report that the land acquisition process for the RTS Link Project had been completed during the period under review. A total of 48 lots were acquired for the project, with compensation payment completed. The acquisition exercise proceeded smoothly without any incident, save for a case in Kampung Wadi Hana where an occupant refused to vacate. The enforcement exercise was carried out incident-free, with the occupant relocated to a transit home provided by MRT Corp.

Other activities completed during the period under review include pre-construction activities; hoarding installation, site office establishment, preliminary test pile and marine risk assessment works. Confirmation of 'no objection' was also obtained from all nine utility service providers for utility relocation works to be carried out.

Throughout the period under review, regular meetings and discussions were held with the Land Transport Authority of Singapore - the infrastructure company for the project's Singaporean counterpart, and RTS Operations Pte Ltd - the future operator of the RTS Link, to align and harmonise construction works.

Starting on the Final Piece of Connectivity

During the tabling of Budget 2021 in Dewan Rakyat on 6 November 2022, the Minister of Finance announced that the Government had decided to revive the MRT3 Circle Line Project after being shelved in 2018.

This important announcement marked the reopening of the chapter in the development of the Klang Valley MRT Project, where the crucial final piece of connectivity for the Kuala Lumpur Integrated Rail Transit Network would become a reality.

Following the announcement, MRT Corp organised several preliminary activities to introduce to the industry and other stakeholders its vision for the project, as well as to take the opportunity to assess the readiness of the construction sector to handle such a megaproject.

An ensuing undertaking followed, where MRT Corp held a session named 'Insights: MRT3 Circle Line' on 13 April 2021 to share with key industry players on how the project would be implemented. A key message delivered was that the project was going to be more than just an infrastructure or construction project, as it includes a socio-economic

programme that would catalyse the transformation of the country's economy.

This was followed by a Request for Information exercise which kicked off with a briefing session on 19 April 2021. In this session, MRT Corp invited players in the construction industry to provide feedback on the proposed project. Over 60 industry players attended the briefing and later, of which 40 of them provided feedback on the state of the construction industry post pandemic.

Other activities carried out during the period under review include studies on the alignment and ridership, land survey, detailed environmental impact assessment, social impact assessment as well as heritage impact assessment.

With the milestones achieved, MRT Corp is in a good position to hit the ground running once the Government gives its green light to proceed with the implementation of the project, expected in the first half of next year.

Return of Optimism

As we close the year under review, MRT Corp was able to assess how it had fared when facing the challenges of the Covid-19 pandemic and the necessary steps it had taken in moving forward.

As the country begins on its path towards recovery, MRT Corp, as the project owner and developer of the high-impact Klang Valley MRT Project, plays a critical role in spearheading the revival, and thereafter, the sustained growth of the country's economy.

MRT Corp is cognisant of this crucial role that we have to play. We believe we are capable of taking on the various challenges and will be able to rise up to the role that we have been entrusted with.

Thank you.



Zarif Hashim

DATUK MOHD ZARIF HASHIM
CHIEF EXECUTIVE OFFICER
MASS RAPID TRANSIT CORPORATION SDN BHD



Mass Rapid Transit Corporation Sdn Bhd





Mass Rapid Transit Corporation Sdn Bhd

MRT Corp was established in 2011 and is fully owned by the Minister of Finance Incorporated. The company is at the forefront of metro rail developments in Malaysia.

In 2017, MRT Corp successfully delivered the country's first MRT line, the 51km MRT KG Line (formerly known as MRT Sungai Buloh-Kajang or SBK Line).

The company is currently moving full speed to complete the MRT PY Line (formerly known as MRT Sungai Buloh-Serdang-Putrajaya or SSP Line), with Phase One targeted to commence operation in 2021. The entire MRT PY Line will be operational in January 2023.

MRT Corp has also been appointed as the Malaysian InfraCo for the RTS Link Project between Johor Bahru and Singapore. Civil infrastructure work of the project is scheduled for completion by December 2024 while the full opening of the line is targeted to be on 31 December 2026.

MRT Corp also plans and designs future metro rail networks. In all its endeavours, MRT Corp strives to be the catalyst in urban socio-economic regeneration by way of an inclusive metro rail transport system and development of transit-oriented communities.

Vision

To be recognised as an integral provider of urban rail transport solutions.

Mission

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

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



DATUK WIRA AZHAR ABDUL HAMID

Chairman

Datuk Wira Azhar Abdul Hamid, 60, is the Chairman for the Board of Directors of MRT Corp.

Prior to his appointment to this position, he was the Chairman of FGV Holdings Berhad where he held the post from 2017 to April 2021. He was also the Chairman of MSM Malaysia Holdings Berhad from 2017 until May 2020.

Before moving to FGV Holdings, he was the Group Managing Director of Malakoff Corporation Berhad from 2016 until 2017. During the same period, he held the position of Chairman of Tradewinds Corporation, of which he was the President/Group Managing Director from 2015 to 2016.

Between 2011 and 2014, he helmed the newly formed MRT Corp as its first Chief Executive Officer.

Prior to taking that position, he was in the Sime Darby Group, holding the positions of Executive Vice President/Head of Plantation & Agri-Business Division, Managing Director of Sime Darby Plantation Sdn Bhd, Director of the Plantations & Food Division, Managing Director of Sime Darby Plantations Sdn Bhd, Director of the Heavy Equipment Division Asia Pacific, Managing Director of Tractors Malaysia Holdings and Business Development Director of Sime Darby Plantations Sdn Bhd, after rejoining the group in 2003.

His first stint in the Sime Darby Group was between 1994 and 2001 where he held the positions of Group General Manager of its Engineering, Oil & Gas Division, Business Development Director of Sime Conoco Sdn Bhd and Financial Controller of Sime Tyres International Sdn Bhd.

Between his stints at the Sime Darby Group from 2001 until 2002, he helmed Pemas International Holdings Berhad as its Chief Executive Officer.

He is a member of the Malaysian Institute of Accountants (MIA).



DATUK ISHAM ISHAK

Datuk Isham Ishak, 53, is currently the Secretary General of the Ministry of Transport Malaysia. Prior to that, he was the Secretary General of the Ministry of Tourism, Arts and Culture Malaysia from 17 February 2019 to 24 November 2019 and the Secretary General of the Ministry of International Trade and Industry Malaysia (MITI) from 2 July 2018 to 16 February 2019. He was also the Deputy Secretary General (Trade) of MITI from 2016 to 2018.

He had served in a number of divisions related to international and regional aspects of trade and industry while in MITI, including Trade Facilitation, Strategic Planning, WTO, APEC and ASEAN. He had successfully assisted the Micro, Small and Medium Enterprises (MSMEs) in Malaysia while serving as the Chief Operating Officer and Deputy Chief Executive Officer at the SME Corporation Malaysia. He also served as the Minister Counselor at the MITI Washington D.C. Office from 2006 to 2011.

He was Special Officer to International Trade and Industry Minister Tan Sri Rafidah Aziz from 2004 to 2006, and Special Officer to Tun Abdullah Ahmad Badawi, Malaysia's fifth Prime Minister.

During his tenure in the civil service, he was the Chief Negotiator for Malaysia for the Regional Comprehensive Economic Partnership (RCEP) Agreement from 2016 to 2018. He was the Deputy Chief Negotiator for Malaysia for the Trans-Pacific Partnership (TPP) Agreement - later known as the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTTP) from 2011 to 2015.

He was also one of the Malaysian Negotiators for the Developing-8 (D-8) Organization for Economic Cooperation and the Malaysian lead for the ASEAN Coordinating Committee on Services (CCS).

While serving as the Deputy Secretary General (Trade) of MITI, he was also appointed as the Senior Economic Official for Malaysia, to oversee the implementation of the ASEAN Economic Community (AEC) Blueprints in Malaysia and ASEAN. He was also the Malaysian representative at the High-Level Task Force on ASEAN Economic Community (HLTF-EI), the highest level of groupings among economic officials in ASEAN while he served as the Secretary General of MITI.

He is also the Chairman of the Board of Directors of Malaysia Rapid Transit System Sdn Bhd, a subsidiary of MRT Corp which was set up to be the Malaysian infrastructure company (InfraCo) of the RTS Link.



DATO' DR AMIRUDDIN MUHAMED

Dato' Dr Amiruddin Muhamed, 50, is currently the Deputy Under Secretary (Strategic and General) of the Government Investment Division of the Ministry of Finance.

Before he was appointed to the position in August 2018, he was the Chief Executive Officer of Majlis Agama Islam dan Adat Melayu Perak, a position which he had held from 2014.

Prior to that, he held several positions in the Ministry of Finance, beginning with the Accountant General's Department where he was the Assistant Director. He then moved to the Investment, MKD (Inc) and Privatisation Division where he was the Senior Principal Assistant Secretary.

Among his tasks was to manage the corporatisation and privatisation activities of agencies under the jurisdiction of specific Ministries. He later moved to the Strategic Investment Division.

He holds a Doctor of Philosophy in Accounting and Finance from Durham University in the United Kingdom. He has a Master of Economics (Economic Development) and Bachelor of Accounting (Hon) from Universiti Kebangsaan Malaysia.



DATO' NOORIZAH ABD HAMID

Dato' Noorizah Abd Hamid, 62, 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 of sukuk - the largest Islamic bond issue in the world - in the restructuring of the company.

She was 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.



ENCIK MOHD KHALID HAJI MOHAMED

Encik Mohd Khalid Haji Mohamed, 68, is currently the Director of Dasar Wijaya Sdn Bhd, a construction firm that carries out housing development and civil construction related works.

Prior to that, he was involved in the East Klang Valley Expressway (EKVE) Project as a Senior General Manager with Ahmad Zaki Sdn Bhd, where he had led the negotiation of technical and commercial terms of the Concession Agreement with the Ministry of Works.

During his time there, he also assisted to secure sukuk financing of RM2 billion and collaborated in securing Government Support Loan of RM635 million.

Among other positions he has held were the General Manager of IJM Construction Sdn Bhd, where he was entrusted to set up and lead the concession company towards full operations of the Kajang Seremban Highway (LEKAS) Project as well as General Manager of Gamuda-Percon Joint Venture for the Shah Alam Expressway (KESAS) Project.

He was also the Head of Engineering for Projek Penyelenggaraan Lebuhraya Berhad (PROPEL) and involved in the construction of PLUS Expressway. He began his career with Jabatan Kerja Raya in 1979.

He obtained his Ordinary National Diploma in Engineering in 1975 from Southampton Technical College, United Kingdom before furthering his studies at the Loughborough University of Technology, United Kingdom where he obtained a Bachelor of Science in 1978.

He has also been a Non-Executive Director of Tabung Haji Heavy Engineering Berhad since August 2019.



AR SAIFUDDIN AHMAD

Ar Saifuddin Ahmad, 60, is currently the Principal of Saifuddin Architect and Managing Director of SNO Architects Sdn Bhd.

He began his career as a technical assistant with JKR Wilayah Persekutuan Kuala Lumpur in 1980. He furthered his studies in Australia and rejoined JKR Wilayah Persekutuan Kuala Lumpur as an Architect in 1983. After becoming a registered architect in 1986, Saifuddin left the Government service and joined BBMB Properties Sdn Bhd as an in-house architect in 1988. He was a Partner of Kumpulan Perunding Kuala Lumpur from 1990 until 1993, when he was appointed as Director of Davenport Campbell Consultancy (M) Sdn Bhd. In 1996, he established Saifuddin Architect as Principal and a year later, established and became Director of SNO Architects Sdn Bhd.

He completed his Diploma in Architecture at Universiti Teknologi Malaysia in Kuala Lumpur in 1980, and graduated with a Bachelor of Architecture from Deakin University, Australia in 1983. He was recently awarded by his alma mater, Deakin University, Australia, Alumni of Year 2020, the first Malaysian and non-Australian to be accorded with the award.

He is a fellow of Pertubuhan Arkitek Malaysia (PAM), Registered Asean Architect, APEC Architect and Honorary Member of Australian Institute of Architects, Association of Siamese Architects by Royal Patronage, Council Member (Alternate) Region IV the International Union of Architects (UIA) (2017-2021), Vice President Zone B Arcasia (2019-2021), President on Council of PAM (2011-2013). He was Lembaga Arkitek Malaysia (LAM) Board Member (2007-2015), LAM representative on the Board of Town Planners (2008-2009), Board of Quantity Surveyors (2009-2017) and Exco member Balai Iktisad Malaysia (BIM) (2010-2011). He was also Chairman of Green Building Index Sdn Bhd (2012-2013).

He has been a member of the Board of Directors at Universiti Malaya since 2011. He is the Chairman of Universiti Malaya Medical Centre and Universiti Malaya Specialist Centre; the first time that both hospitals have the same Chairman. He was responsible for organising Universiti Malaya masterplan idea competition in 2016 and is currently Chairman of its masterplan Committee. He was the Chairman of CIDB Initiative Working Group on Promotion IWG5-CITP Promotion and committee member of Construction Industry Transformation Programme - TWG1.



PUAN AZIAN KASSIM

Puan Azian Kassim, 55, was appointed to the Board of Directors of MRT Corp on 26 August 2021. She is a Fellow of the Association of Chartered Certified Accountants, United Kingdom and a Chartered Accountant registered with the Malaysian Institute of Accountants. She has approximately 27 years of experience in the capital market and managing investment portfolios.

She began her career as an auditor. In 1992, she joined BBMB Unit Trust Management Berhad as an Investment Officer/Analyst and in 1995, she joined Perwira Affin Merchant Bank Berhad as an Assistant Manager. Subsequently in 1996, she joined RHB Asset Management Sdn Bhd as a Manager and in 1999 and 2001, she was promoted to Senior Manager and Assistant General Manager respectively.

She was then attached to Maybank Investment Management Sdn Bhd as the Chief Investment Officer from 2004 - 2007. She was responsible for the investments and strategy for the company.

In 2007, she joined Syarikat Takaful Malaysia Berhad, which is now known as Syarikat Takaful Malaysia Keluarga Berhad, as Chief Investment Officer and she spearheaded the investment division and played a pivotal role in developing a strong portfolio management capability for the division.

She currently holds a directorship position at the Perak Transit Berhad as an Independent Non-Executive Director, and is an investment panel member of Urusharta Jamaah Sdn Bhd.

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 include members from the Board of Directors.



Leadership Team



Datuk Mohd Zarif Hashim
Chief Executive Officer

Datuk Mohd Zarif Hashim is the Chief Executive Officer of MRT Corp. As Chief Executive Officer, Datuk Mohd Zarif Hashim provides the overall strategic direction for the organisation, ensuring that the implementation of its projects is in line with the mandate from the Government and direction set by the Board of Directors.



Encik Azwa Abdul Aziz
Chief Commercial Officer

Encik Azwa Abdul Aziz is responsible for the proper execution of commercial activities to ensure successful procurement and contract management is carried out in the most efficient, transparent and proficient manner whilst maintaining good cost control over all projects. He is also tasked with managing non-fare activities and the implementation of Bumiputera agenda for MRT Corp projects.



Ir Zulkifli Mohamed
Project Director RTS Link

Ir Zulkifli Mohamed oversees the implementation of the RTS Link Project, ensuring the efficient implementation of the project and management of the construction to meet its key objectives and deliverables. He is the employer's representative in the project implementation, managing the relevant project stakeholders both internally and externally to ensure a constructive working relationship in order to facilitate the smooth implementation of the project.



Tuan Haji Mohd Yusof Kasiron
Project Director MRT3
(Circle Line)

As the Project Director of MRT3 Circle Line, Tuan Haji Mohd Yusof Kasiron oversees the overall implementation of the MRT3 Circle Line Project from the feasibility and planning stage up to implementation and thereafter, the pre-operational phase whilst ensuring that the project is executed and completed safely, on time, within cost, meeting the required quality standards and at the same time playing its role in environmental protection.



Encik Yuslizar Daud
Director of Asset Operations
and Management

As the Director of Asset Operations and Management, Encik Yuslizar Daud is responsible for planning, monitoring and maintaining MRT Corp assets and facilities to ensure that they are in optimal working condition. He also oversees the performance of the MRT lines to ensure smooth and good operations quality as well as efficient service standards. He is required to put in place effective and efficient asset and facilities management strategies to ensure its optimum utilisation in accordance with the company's business objectives.



Encik Shahrul Fadli Omar
Chief Financial Officer

As the Chief Financial Officer, Encik Shahrul Fadli Omar's responsibility is to ensure effective and efficient overall financial management as well as corporate administration of the organisation. He is responsible for the management of information technology for the organisation's operation and oversees asset management to ensure optimum utilisation and maintenance.



Dato' Amiruddin Ma'aris
Project Director Putrajaya
Line

As the Project Director for the PY Line, Dato' Amiruddin Ma'aris oversees the overall implementation of the PY 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.



Mr David Loo Kean Beng
Legal Affairs Director

Mr David Loo Kean Beng 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.



Encik Abdul Mutallif Abdul Manaf
Director of Strategic Human
Resource

Encik Abdul Mutallif Abdul Manaf 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.



Encik Azhar Sofah
Acting Head of Standard and
Compliance

As the custodian for quality and safety, Encik Azhar Sofah as the Acting Head of Standard and Compliance is responsible for ensuring that the MRT Corp Projects practice 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.

Integrity

MRT Corp places great importance with regard to good governance and integrity in undertaking its day-to-day operations as well as on the right track towards achieving its goal to be a corruption free organization.

Integrity Governance Department (IGD) had implemented various initiatives/programs throughout the year under review via the approved Integrity Plan 2021. The main focus was on enhancing good governance based on the TRUST pillars and the initiatives carried out for each pillar are as follows:

Pillars / Objective	Initiatives Carried Out in 2021
Top Level Commitment To assure the Board of Directors that the operations of MRT Corp comply with the internal policies and requirements set out in the organization.	<ul style="list-style-type: none"> • Endorsement of Leadership Team and Board of Directors in the implementation of Organizational Anti Corruption Plan (OACP). • Endorsement by the Board on the Integrity Plan 2021. • Recognition of 'Duta Integriti' contribution and involvement in promoting the integrity culture by the Top Management. • Involvement of Head of Departments/Divisions in the Management Review sessions, mainly on addressing issues relating to Anti-Bribery Management System (ABMS).
Risk Assessment To periodically conduct corruption risk assessment through risk identification, analysis, evaluation and prioritisation.	<ul style="list-style-type: none"> • Bribery Risk Workshop had been concluded in September 2021 with good participation from the respective business units and the review outcomes were satisfactory. • Majority of the bribery risks identified were classified as low risk and the internal controls in place seemed to be effective.
Undertake Control Measures To establish reasonable and appropriate controls and contingency measures to address any risk of corruption arising from weaknesses in the organisational governance framework, processes and procedures.	<ul style="list-style-type: none"> • Bribery Risk Assessment - the existing control measures suffice to mitigate the bribery risks identified, especially for those categorized as medium to high risk. • Enhancement of Standard Operating Procedure (SOP) - business units incorporated key control measures into the SOP to mitigate the bribery risks identified. • Newly introduced Conflict of Interest Form – submission by all employees on their current status (updated). • All divisions had submitted to IGD the anti-bribery initiatives in line with OACP strategic objectives.
Systematic Review, Monitoring and Enforcement To ensure that regular evaluations are carried out to evaluate performance and effectiveness of anti-corruption programmes.	<ul style="list-style-type: none"> • ABMS Internal Audit was conducted in September 2021 in compliance with the requirement of ISO37001:2016 ABMS. • Successfully obtained the ISO37001:2016 ABMS recertification. • Effective investigation and detection of complaints as well as performed regular spot check, integrity test/assessment and profiling (for vendors and contractors).
Training and Communication To develop and disseminate information on anti-corruption management systems through training, internal and external communications.	<ul style="list-style-type: none"> • Soft Launch of Corporate Integrity Pledge (CIP) by the Work Package Contractors (WPC) and vendors via collaboration with MACC. • Internal Audit Workshop (ABMS) and introduction of OACP for all 'Duta Integriti'. • The mandatory requirement for all employees to attend at least one Integrity Program as part of the Innovation and Learning. • Knowledge Sharing/Religious Talk for all employees and the topics are related to corruption/bribery or integrity.

In September 2021, MRT Corp obtained the ISO37001:2016 ABMS recertification from SIRIM QAS Sdn Bhd and this achievement was resulted from MRT Corp's continuous efforts in cultivating anti-bribery culture towards achieving the corruption-free organisation. This certification is globally recognised and it adopted international requirements on combating bribery, particularly in the business environment. IGD was responsible for the recertification audit preparation and managing the work coordination between internal staff and auditors from the certification body. Altogether, six key areas were identified and being audited, namely Integrity Governance, Legal, Human Resource and Admin, Finance, Project and Contract and Procurement.

During the year under review, the implementation of MRT Corp OACP initiatives were fluid due to the commitment from the MRT Corp Board Members, Leadership Team and all employees. The summary of the MRT Corp OACP alongside the status of its strategic initiatives' implementation are as follows:

Vision	Towards a Corruption-Free Organisation
	Corruption will erode the trust towards the organisation and a waste of taxes that have been earmarked for important projects to benefit the public. MRT Corp Board Members and Leadership Team are committed to prohibit corruption or other improper payments in its business operations, which is in compliance with MACC Act 2009 (Act 694) and Penal Code (Act 574).
Mission	To Create a Clean Business Environment
	MRT Corp is committed to inculcate a culture of openness and integrity. Each employee shall set a mindset of anti-corruption and right standard in the workplace. Doing business in an ethical way will lead the organisation towards a clean business environment.
Objectives	<p>To develop a business environment with fair, transparent and integrity which is free from any corruption and abuse of power.</p> <p>To enhance good corporate governance and business ethics for the interest of MRT Corp stakeholders.</p> <p>To improve the effectiveness of internal control.</p> <p>To promote a culture of integrity company-wide.</p>
Priority Areas	<p>Political Governance – Strengthening political integrity and accountability.</p> <p>Procurement – Increasing the efficiency and transparency in procurement activity.</p> <p>Corporate Governance – Inculcating good governance in a corporate entity.</p>
No. of Bribery Risk Identified	56
No. of initiatives (Overall)	135
Short Term	
- Planned	15
- Launched	13
Long Term	
- Planned	120
- Launched	107

IGD would continue to champion the internalization of integrity culture within the organisation, sustaining the requirement of the ISO37001:2016 ABMS and executing of the anti-bribery framework as well as monitoring the implementation of OACP 2020-2024 strategic initiatives in collaboration with all divisions or business units.



Integrated Management System

During the year under review, whilst coping with the Covid-19 pandemic, MRT Corp had successfully expanded the scope of certification as stated below:

Project Development and Asset Management of Rapid Transit Railway infrastructure including:

Project management and supervision of PY Line

Project management and supervision of Rapid Transit System Link (RTS Link) Johor Bahru - Singapore

Operations management, maintenance and commercial activities for railway assets and facilities

This was part of the continual improvement initiative which would be one of the important elements in the management system practiced by MRT Corp. This expansion had included the RTS Link Project, Asset operations management, maintenance and commercial activities beside the PY Line Project.

MRT Corp successfully passed the certification body audit in September 2021. This was the second year of surveillance audit that covered the integration along with the expansion. It was made possible with good teamwork and collaboration from all divisions and departments in ensuring the system is in place and implemented accordingly.

This included ensuring the current processes and practices were reflected in the procedures, actively participating in the integrated management system program, such as awareness training and contest to enhance knowledge on management systems and well prepared for the integrated internal audit and certification body audit remotely.





Risk Management

During the year under review, MRT Corp risk assessment was conducted through a series of Operational Risk Review Workshop at departmental level, Strategic Risk Review Workshop at the management level and Project Risk Committee meeting at the project level to review all significant risks. The resolutions were reported to the Risk Management Committee (RMC), Audit and Risk Committee (ARC) and the Board of Directors (BOD).

The Operational Risk Review workshops at departmental and strategic level were held to address all significant risks within MRT Corp. A total of six Operational Risk Review workshops have been conducted throughout the year.

A series of risk awareness programs and workshops had been conducted throughout the year to embed risk culture and elevate the knowledge on Risk Management among MRT Corp employees. Three risk awareness sessions were organised in 2021, involving employees in Executive and Managerial level.

The Risk Management Department had organised the first Crisis Simulation at corporate level in June 2021, which was participated by the Crisis Working Committee and Leadership Team. In addition, MRT Corp had also embarked on the development and implementation of Business Continuity Management (BCM) through various programs such as BCM Awareness, Risk & Threat and Business Impact Analysis workshops and also the Recovery Strategy.

The third Risk Webinar for MRT Corp was held in December 2021 with the theme of 'Living through Endemic Phase: How to be resilient?', with the objective of inculcating risk culture and awareness among the employees.

Approximately 200 participants MRT Corp employees, which include the Risk Coordinators and Co-Risk Owners attended the webinar. Experienced professional speakers from three industry-leading organisations namely Multimedia Development Corporation (MDEC), UMW Holdings and Universiti Utara Malaysia (UUM) were invited to share their experience and knowledge in risk management and resilience.

Additionally, risk e-newsletters were issued via email by the Risk Management Department. Current risk issues and lessons learned from the rail or construction industries were among the items highlighted in the risk newsletter. Fun quizzes and online contests were also introduced as part of the risk initiative program in the year.

As for the project risk, the Risk Management Department has been working together with Contractor's counterpart in the implementation of the project risk management process which is in accordance with the ISO 31000:2018 Risk Management Guidelines and the established Risk Management Policy and Framework.

At the working level, the project risk management process is

integrated at each decision-making level. In addition to the monthly risk workshop, risks related matters would be discussed in the progress-related, technical, method statement briefings and also risk assessment meetings where risk management practices were embedded in the entire project management phases. Whilst at the high level, ownership of risks are demonstrated by getting the contractor's project management leadership to present their risks to MRT Corp leadership team.

This is done through the Project Risk Committee (PRC) meeting held on a quarterly basis. The PRC meetings are held to:

- Evaluate the implementation of Project Risk Management practices within the MRT Corp projects
- Facilitate risk discussions between MRT Corp, Contractors and Consultants
- Ensure the Project Risk Management approaches were proactive and effective
- Review, anticipate and mitigate significant project risks and/or concerning issues that may impact the project deliverables
- Endorse the escalation of project risks to the Risk Management Committee (RMC)



The Klang Valley MRT Project



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. Initially proposed to the Government by a private sector consortium in early 2010 consisting of three lines, the Government then conducted a study on the proposal and gave the approval for the KG Line (formerly known as Sungai Buloh-Kajang or SBK Line) to be developed as the first line of the KVMRT Project.

Construction of the 51km KG Line officially commenced on 8 July 2011 and on 16 December 2016, Phase One of the line consisting of 12 stations from the Sungai Buloh Station and the Semantan Station became operational. Seven months later on 17 July 2017, the rest of the line was opened. Operations of the line are handled by Rapid Rail Sdn Bhd, a subsidiary of Prasarana.

Approval for the implementation of the second line of the KVMRT Project, the PY Line (formerly known as Sungai Buloh-Serdang-Putrajaya or SSP Line), was given by the Government in February

2014. After the mandatory public inspection process between May and August 2015, the final approval of the PY Line Railway Scheme was given in October 2015. The official ground-breaking ceremony for the PY Line took place on 15 September 2016.

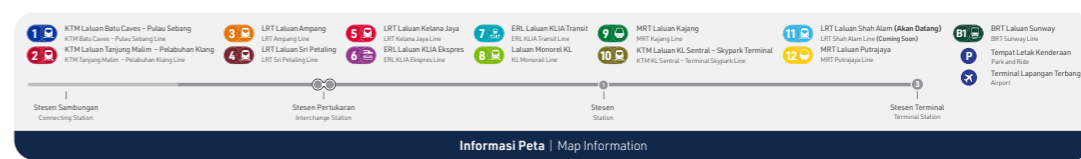
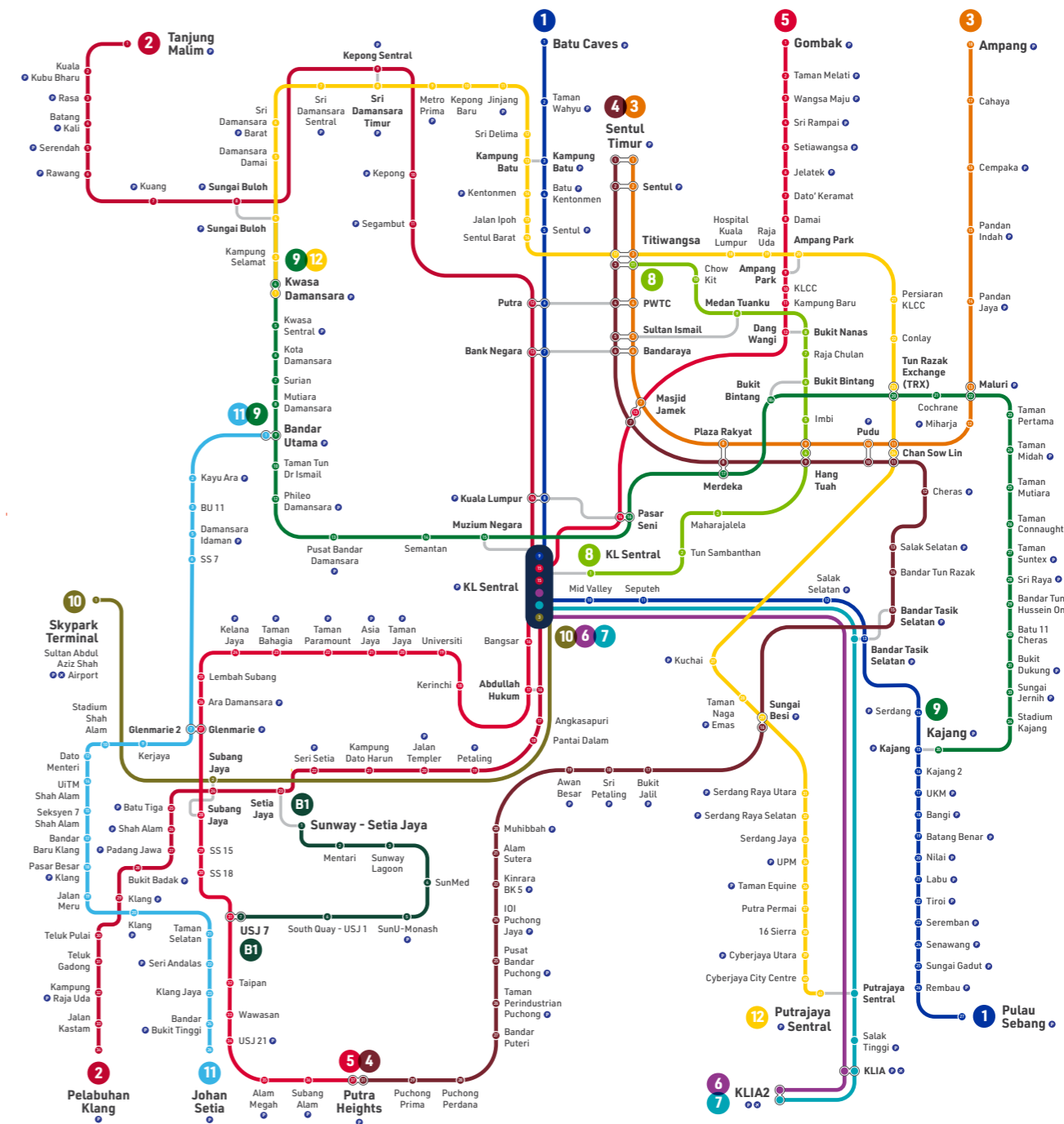
As at 31 December 2021, the construction progress of the overall PY Line was at 96.54%. The progress for Phase One, from Kwasa Damansara to Kampung Batu, was 99.74%. Phase One is expected to begin operations by the middle of 2022.

The third line proposed under the KVMRT Project is envisaged to be a circle line which would run along the perimeter of the city of Kuala Lumpur and integrate with all existing radial lines of the Klang Valley Integrated Urban Rail Network. The corridor for the proposed Circle Line had been outlined by the Land Public Transport Agency and was updated through a feasibility study by MRT Corp. In May 2018, the Government announced that the development of the Circle Line was being shelved until the country's financial situation improved. On 6 November 2020, the Government announced during the tabling of Budget 2021 that the MRT3 Circle Line Project would be revived.

Klang Valley Mass Rapid Transit Project Timeline



The Klang Valley Integrated Urban Rail Network

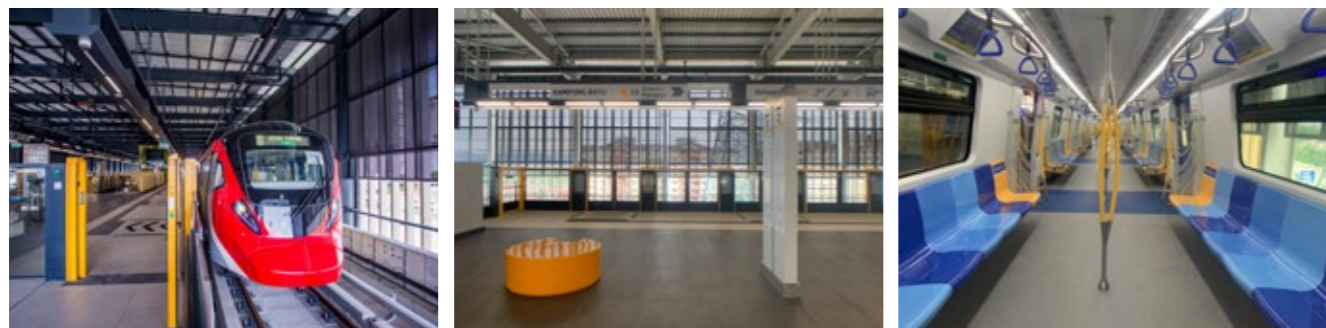




MRT Putrajaya Line



MRT Putrajaya Line



The PY Line is the second line of the KVMRT Project to be developed, after the KG Line. The PY Line 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 57.3km, consisting of 44km of elevated tracks and 13.3km of tracks running through tunnels underground. It will have 36 stations with four additional provisional stations which will be built in the future. There will be 27 elevated stations and nine underground stations. The PY Line will have five interchange stations and five connecting stations with existing rail lines of the Klang Valley urban rail network, making it easier for commuters to transfer from one line to another.

The Cabinet gave its approval for the implementation of the PY Line in 2014. The public inspection exercise pursuant to Section 8 of the Land Public Transport Act 2010 was then carried out from May to August 2015 for the public to give their feedback and objections.

The final approval for the PY Line Railway Scheme was given by the Government in October 2015, enabling land acquisition and the procurement process to commence. The ground-breaking ceremony for the PY Line was held at the site of the future Putrajaya Sentral MRT Station on 15 September 2016, marking the commencement of construction works for the line.

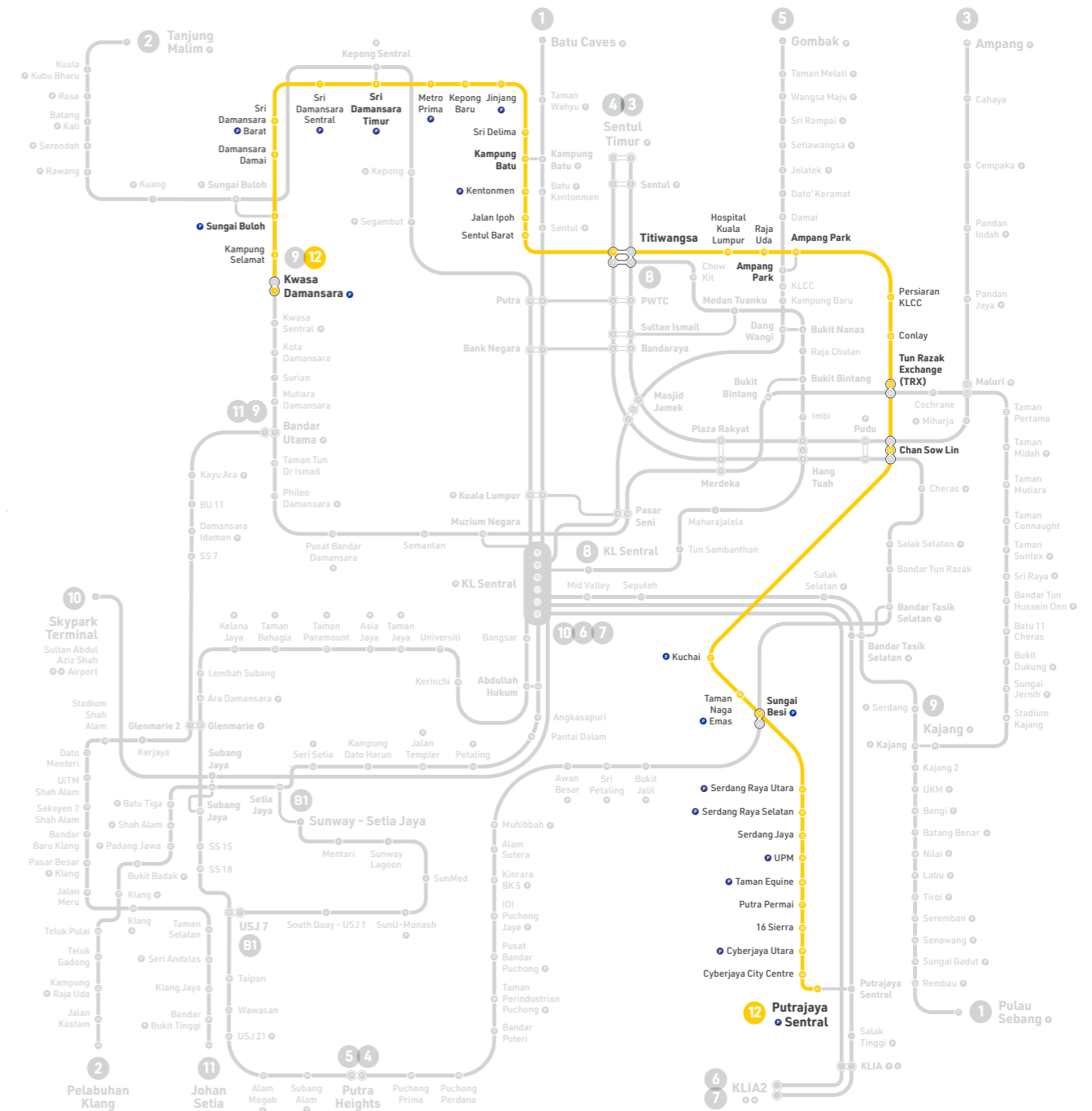
In the second half of 2018, the Government began reviewing major infrastructure projects throughout the country, including the PY Line, with the view of reducing spending of public funds. It began

negotiations with all parties involved in the PY Line including the PDP and MMC Gamuda KVMRT (T) Sdn Bhd, the underground works contractor.

This culminated in the signing of the Supplemental Agreement to the Project Delivery Partner Agreement on 17 January 2020, whereby the PDP structure was changed to that of a turnkey contract, with the PDP taking on the role of TC. The construction cost was also reduced by RM8.82 billion to RM30.53 billion.

Trial operations in preparation for revenue service for Phase One of the PY Line from Kwasa Damansara to Kampung Batu commenced in April 2021. Phase One is expected to begin operations in the mid 2022, while the remainder of the line from the Kampung Batu Station to Putrajaya Sentral MRT Station will be operational under Phase Two by early 2023.

MRT Putrajaya Line Alignment Map



Construction

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

Following the change in the project structure in 2020, the PY Line Project Division directly supervises all construction work being carried out, especially in areas of progress, safety and quality.

As at 31 December 2021, the overall progress of the PY Line was at 96.54% against the programme of 95.21%, placing it ahead of schedule.

Elevated Works

The elevated works consist of ten elevated guideway work packages over 38.7km of single and double track guideways. It also includes the construction of 24 elevated stations and a depot in Serdang. Provisions have also been made for two stations to be built in the future.

The construction of at-grade parking and multi-storey park and rides which are attached to the stations are also part of the scope of elevated works.

Besides the 10 elevated guideway work packages, 10 stations work

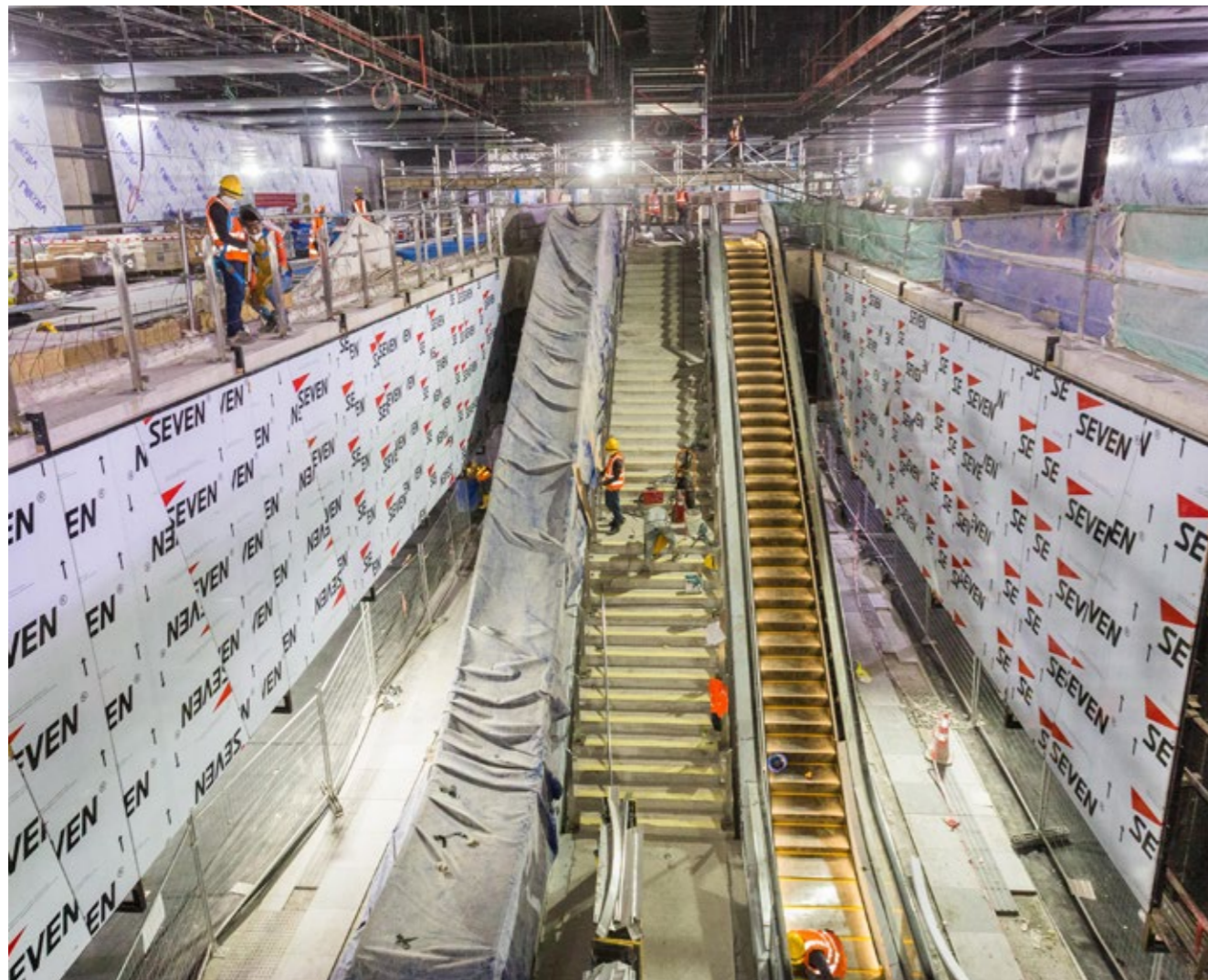
packages, the elevated works also covers two segmental box girder (SBG) work packages and two multi-storey park and ride (MSPR) at Metro Prima and Taman Equine Station.

All construction activities for Phase One between Sungai Buloh and Kampung Batu had been completed and targeted to commence operation in the middle of 2022. All nine stations had obtained their Certificates of Completion and Compliance (CCC). Snag list rectification was in progress at the stations.

The remainder of the line between Kampung Batu and Putrajaya Sentral would be opened for revenue service under Phase Two in January 2023. Tunnels and all viaducts under this phase had been completed and handed over to the Trackwork Contractor. External works were near completion. Final installation, snag list rectification and CCC preparation were in progress at the stations.

Physical work for Serdang Depot had been completed and CPC issued during the period under review. At the same time, all At-Grade Park and Ride facilities had been completed and cleaning works were in progress. As for the Multi-Storey Park and Ride facilities at Taman Equine and Putrajaya Sentral, architectural and electrical and mechanical works were in progress.

As at 31 December 2021, elevated works were at 99.45% complete.



Underground

The Underground Works for the PY Line consist of the construction of 13.5km twin bored tunnels, 11 underground stations including two provisional stations and associated structures.

During the period under review, structural work of all stations and ancillary buildings had been completed.

In all stations and ancillary buildings, Architecture Builder Works and Finishes (ABWF) and Electrical and Mechanical (E&M) works, Building Services and System works were 80% completed. Architectural works such as the laying of floor tiles, wall cladding and ceiling installation were ongoing and on programme to be completed by the second quarter of 2022.

In the tunnels, track work had been completed and track-related installation works such as cabling and signalling works were near completion.

As at 31 December 2021, Underground Works were 94.96% complete.

As at 31 December 2021,
Elevated Works were at
99.45% complete
while Underground Works
were at **94.96%**
complete.





Electrical and Mechanical Systems Works

During the year under review, the overall Electrical and Mechanical Systems works was 95.47% complete. The progress of Phase One and Phase Two were 99.47% and 88.95% completed respectively.

SY201 - Signalling and Train Control and Platform Screen Door/ Automatic Platform Gate

During the year under review, overall actual progress of SY201 was at 93.09%, with Phase One installation works for Signalling and Train Control and Automatic Platform Gates (APG) from Damansara Damai MRT Station to Kampung Batu MRT Station and Sungai Buloh Depot completed. System Acceptance Test and Partial Acceptance Test for Signalling, Train Control and APG were also completed for Phase One.

Phase Two installation works for Signalling and Train Control were completed except for the equipment rooms and wayside at Jalan Ipoh MRT Station. APG for elevated stations and Platform Screen Doors (PSD) for underground stations were completed.

SY202 - Integrated Control Supervisory Systems (ICSS) and Computerised Maintenance Management Systems (CMMS)

As at 31 December 2021, SY202 for Phase One was fully completed while progress for Phase Two was at 92.82%. Main activities that were still ongoing for Phase Two were testing and commissioning activities such as Post Installation Check-Out, Partial Acceptance Test, Interface Test and System Acceptance Test which would be completed prior to the Trial Operation for Phase Two.

SY203 - Electric Train and Depot Equipment

During the period under review, progress for Electric Train and Depot Equipment works was at 97.17%. For Phase One, all 20 trains had completed the Fault-Free Run and trial operations commenced on 29 April 2021. After a series of internal inspections prior to handover, the final stage of inspection by APAD was completed on 14 August 2021.

For Phase Two, delivery of the final electric train set was successfully done on 20 November at the Serdang Depot. As at 31 December 2021, all trains had completed the Traction and Brake Test to make way for the commencement of the System Integration Test in early 2022.

All Depot Equipment had completed their System Acceptance Tests except for Re-Railing and Bogie Wagon which was targeted to be conducted in Quarter One of 2022. As at 31 December 2021, Depot Equipment for Phase One such as the Sungai Buloh Train Wash Plant had completed their Performance Demonstration and detailed inspection. Depot Equipment for Phase Two such as the Wheel Profile Measurer, Underfloor Wheel Lathe and Serdang Train Wash Plant were in progress.

SY204 - Track Works and Maintenance Vehicle

During the year under review, the total progress of Trackwork and Maintenance Vehicle was at 96.81%. Phase One pre-handover inspection, inventory inspection (both with Rapid Rail) and detailed inspection by APAD had been completed. Track installation at the elevated section for Phase Two had been completed whereas for the underground section, work progress was at 99%.

For Maintenance Vehicle, the pre-handover inspection and inventory inspection (both with Rapid Rail) had been completed for Small Tamping Machine, Track Wash Unit, Multi-Purpose Vehicle and Third Rail Measuring Kit. Motorised Track Trolleys are ready to be installed at underground stations. Rail Grinding Vehicle completed the as-built verification.

SY205 - Power Supply and Distribution System

During the period under review, the overall progress for SY205 was at 95.69%. All substations for Phase One and Phase Two operations comprising three Bulk Supply Substations, 28 Traction Power Substations and 21 Utility Buildings were 100% completed. Site Integration Test for Phase Two was in progress.

The energised substations fully complied with the statutory requirements and had been approved by the Energy Commission. Testing and Commissioning of Partial Acceptance Test with other subsystems had commenced and external power energization for the respective substations completed for Phase Two. As at 31 December 2021, all substations were successfully energised.

SY206 - Communications, Government Integrated Radio Network, Commercial Telecom and Information Technology System

As at 31 December 2021, the overall progress of SY206 was at 90.56%.

Phase One installation works from Damansara Damai MRT Station to Kampung Batu MRT Station as well as the migration stations of Kwasa Damansara, Kampung Selamat and Sungai Buloh, and the Sungai Buloh Depot were completed. All testing for Telecoms sub-systems for Phase One had been completed.

Telecoms sub-systems installation for the elevated section of Phase Two had been completed. The underground section installation was progressing well at 91.0%. Phase Two Telecoms sub-systems Post Installation Check-Out, Partial Acceptance Test, Interface Test and System Acceptance Test were progressing well. Telecoms trainborne installation and testing had been completed for all 49 electric trains.

SY207 - Automatic Fare Collection System

As at 31 December 2021, the overall actual progress for SY207 was 90.80% complete.

All Phase One stations including the depot had completed their testing and commissioning activities such as Factory Acceptance Test, Partial Acceptance Test, System Acceptance Test, System Integration Test and all Outstanding Items List from the testing and commissioning activities had been rectified by the Works Package Contractor.

Station equipment handover activities for all Phase One stations including the depot had been completed. The AFC system had undergone and completed its detailed inspection by APAD. All issues raised had been addressed and rectified accordingly.

Installation works at stations and depot for Phase Two were currently on-going for elevated stations. As for the underground stations, Testing and Commissioning activities were in progress.



Feeder Bus

Prasarana subsidiary; Rapid Bus Sdn Bhd had been officially appointed as the operator of the PY Line Feeder Bus service. A total of 140 buses would be serving 51 planned routes running from PY Line stations.

For Phase One routes, in line with the government's aspiration for cost optimisation, 50 units of feeder buses acquired under the KG Line project based in Sungai Buloh Depot would be utilised. The fleet would be operating from the Sungai Buloh Feeder Bus Depot when Phase One operations commence in the middle of 2022.

Subsequently, the fleet would be transferred to the Jinjang Feeder Bus Depot when construction is completed.

For Phase Two, MRT Corp is currently in advanced stages of discussions to secure a three-year leasing agreement with Prasarana

to supply 90 units of 10-metre buses. The lease ranges between five to eight years. Rapid Bus is expected to carry rework to the fleet, such as installing MRT Corporate livery, Cashless Bus Ticketing System and Fleet Tracking System and others, prior to Phase Two operations.

Procurement

During the period under review, tenders for several work packages were called such as for Feeder Buses, Bus Integrated System and Upgrading of Other Transit Lines AFC Systems. Only two work packages had been awarded, summarised in **Table 1** below.

Table 1: Procurement Status

No	Work Packages	Projects awarded between 1 January 2021 and 31 December 2021	Projects awarded to date
1.	Bus Integrated System (BIS) Solutions Phase One	1	1
2.	Upgrading Works for the Other Transit Lines AFC Systems	1	1
TOTAL		2	2

The awarded Work Packages are summarised in **Table 2** below.

Table 2: Awarded Contract for PY Line during Financial Year 2021

No	Code	Work Packages	Awarded Amount (RM)	LOA Issued
1.	BIS Phase 1	Proposed Extended KG Line Bus Integrated System ('BIS') Solutions for MRT Feeder Buses Phase One for Project Mass Rapid Transit Line 2: PY Line	6,100,000.00	24 Feb 21
2.	AFC	Proposed Upgrading Works for Other Transit Lines AFC System	4,423,000.00	12 Jul 21
TOTAL			10,523,000.00	

Industrial Collaboration Programme

The Industrial Collaboration Programme (ICP) is an instrument devised by the Government to support national economic development 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 of investment for the country.

According to the Policy and Guidelines on Industrial Collaboration Programmes in Government Procurement, each Government procurement from foreign suppliers valued at more than RM50 million will trigger the requirement for Offset while each Government procurement valued at more than RM100 million involving a local contractor will trigger the requirement for an Economic Enhancement Programme (EEP).

ICP initiatives can be carried out under the following categories - Foreign Direct Investment, localisation or subcontracting, human capital development, transfer of technology, research and development activities, and market access.

To date, the PY Line ICP has managed to bring in, among others, RM2.86 billion worth of localisation or subcontracting, RM100 million work of market access and total investments amounting to RM149.34 million.

Among the notable initiatives carried out under the PY Line ICP during the period under review were:

Setting Up of a Simulation Centre and Laboratory in Universiti Tunku Abdul Rahman

This collaboration between CRSE and Universiti Tunku Abdul Rahman (UTAR) was to set up power, systems modelling, simulation

and study laboratory in UTAR's electrical engineering lab which included 30 sets of computers and 30 set of ETAPS and ETRAX Software licenses, server and printer which can be fully utilised by students and lecturers.

Development of Conducive and Modern Learning Centre - TRC EDU Centre

TRC EDU Centre was one of the programs under the collaboration between TRC EDU and Politeknik Ungku Omar (PUO). The main activities were the upgrading of space provided by PUO to become a modern and more interactive Technical Resource Centre.

The Development of Inclusive Transit System with Universiti Putra Malaysia

The main objective of this program was to propose a conceptual model of Inclusive Transit Station (ITS) by the Faculty of Design and Architecture. The first phase would be a theoretical development process to establish a new shift of design thinking for transit stations. This phase would be accomplished by the research team for grounded work before embarking on the second phase which involves learning activities with students. The final phase would be the completion of the ITS in UPM.

MRT Putrajaya Line Industrial Collaboration Programme Achievements



Bumiputera Participation

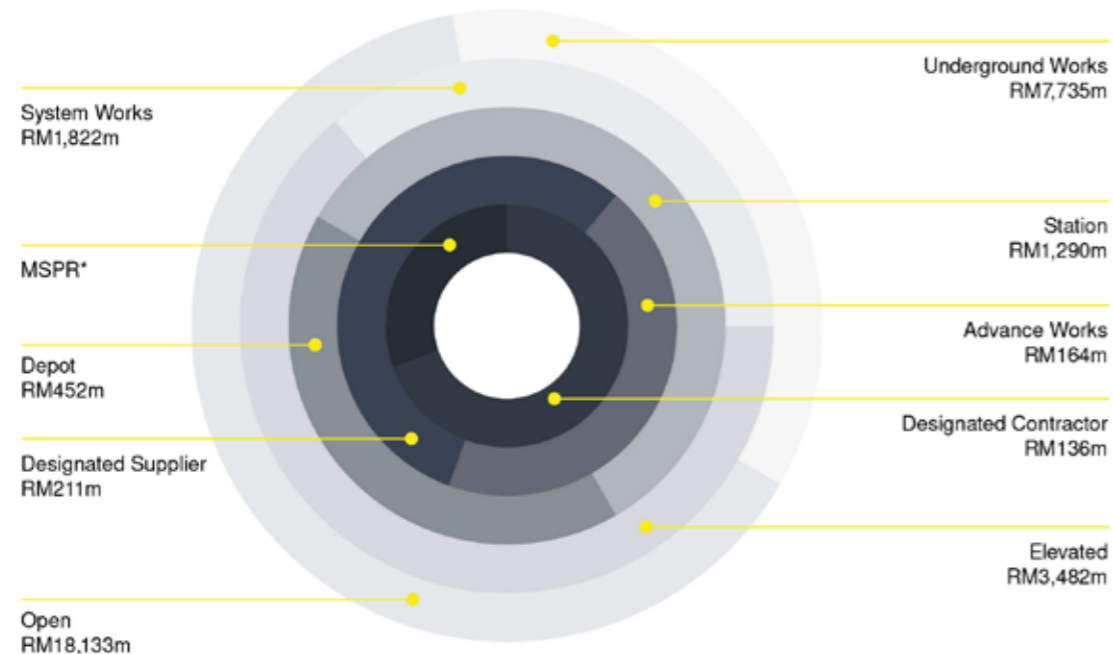
MRT Corp's Bumiputera Participation programme for the PY Line is a continuation of that for the KG Line. MRT Corp had set a target of 45% of the total contract value to be awarded to Bumiputera companies.

To date, a total of RM14 billion worth of work packages out of a total of RM30.6 billion (46% out of total awarded) had been awarded to Bumiputera companies. In addition, the initiative to include Construction Industry Development Board (CIDB) Grade G1 to G6 Bumiputera contractors in the construction of the PY Line saw an increase in allocation of subcontracts to these companies. The breakdown of categories are shown in **Table 1**.

At the end of 2019, following the reduction of the construction cost under the cost rationalisation initiative by the Government, subcontracts allocated for Grade G1 to G4 Bumiputera companies was reduced to RM200 million while that for Grade G5 to G6 Bumiputera companies and for underground works was reduced to RM200 million.

During the period under review, a total of 248 subcontracts under the elevated and underground works packages worth of RM154.6 million were awarded. These subcontracts were awarded to the Grade G1 to G4 Bumiputera contractors through a series of balloting sessions. Additionally, 18 subcontracts worth RM71 million were awarded to Grade G5 Bumiputera companies and 13 subcontracts worth RM117.1 million were awarded to Grade G6 Bumiputera companies.

Table 1: Categories of Work Packages

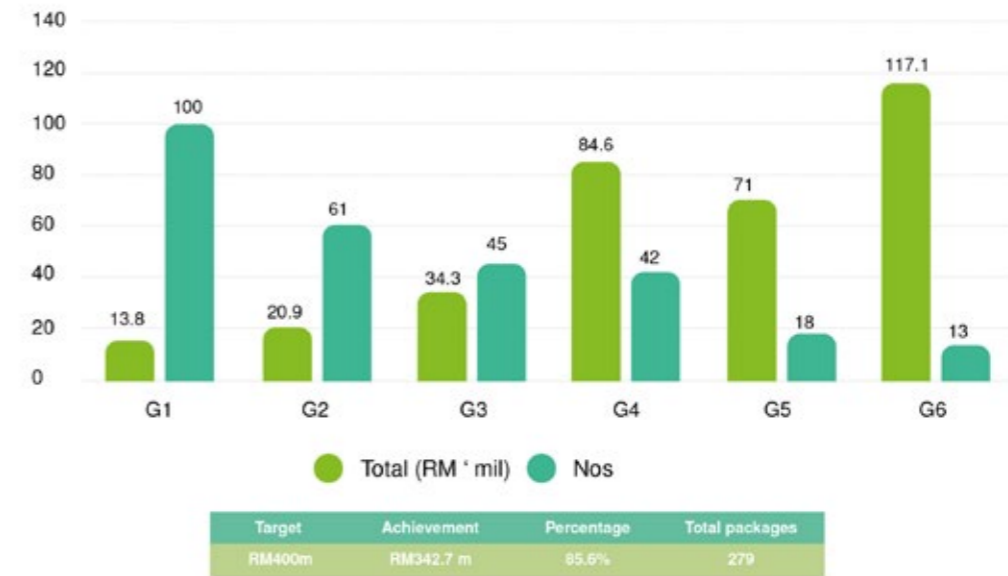


Advance Works	UG Works	Elevated	Station	Designated Supplier	Designated Contractor	Depot	System Works	MSPR*	TOTAL**
RM164m	RM7,735m	RM3,482	RM1,290m	RM211m	RM136m	RM452m	RM1,822m	Awarded by TC	RM14,104m

**Total Adjusted Contract Sum *Adjustment for PC Sum RM1,188m

Table 2: G1 to G6 Awarded Works

Overall Awarded Sub-Contract G1-G6



MRT Young Entrepreneurs Programme

Following the success of the first MRT Young Entrepreneurs Programme (MYEP I), a second MRT Young Entrepreneurs Programme (MYEP II) was set up for the PY Line. The programme is being carried out with strategic partnerships with Perbadanan Usahawan Nasional Berhad (PUNB) and the Construction Industry Development Board (CIDB).

A more organised and robust 12-month training program was designed for 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 TC.

A total of 60 candidates were selected for the MYEP II, with 50 subcontract works allotted to them.

By the end of the programme, 52 participants had successfully completed the training and had set up a total of 24 companies with CIDB G2 licences.

To date, these companies had been awarded with subcontracts worth a total RM7.7 million. During the period under review, 9 out of the 24 subcontract works had been successfully completed. While working for the project, these companies continued to receive guidance and support from MRT Corp and TC, and their performance was monitored.

Land

The land acquisition process for the PY Line commenced with gazette of the alignment under Section 4 Land Acquisition Act 1960 in June 2015, followed by Section 8 Land Acquisition Act 1960 in September 2015. The entire process was completed back in 2019. Compensation for land acquisition amounted to RM6.15 billion.

During the period under review, progress for post-acquisition activities such as issuance of titles in continuation, tunnel survey and reservation of land was at 55%.

MRT Putrajaya Line Land Acquisition Summary

Items	Kuala Lumpur	Selangor	Total
No. of Acquired Lots	543	108	651
Total Compensation Paid (RM)	RM4,219,044,338.94	RM1,079,745,429.36	RM5,298,789,763.30
Court Objection (Form N)	73	57	130
Cases Settled	RM146,360,874.45	RM31,329,240.79	RM177,690,115.24
Total Amount Paid			



Safety, Health and Environment



Safety, Health and Environment initiatives by MRT Corp were carried out against the backdrop of the Covid-19 global pandemic. The Centralised Labour Quarters, Health, Environment, Safety and Security Department (CHESS) continued enhancing safety practices, awareness and knowledge as part of the organisation's safety, health and environment (SHE) culture.

MRT Corp has always celebrated World Day for Safety and Health at Work and the theme for 2021 was 'Safety and Health in the Covid-19 Pandemic'. The theme was chosen to enhance workplace safety and raise awareness of Covid-19 in the workplace. The annual Klang Valley MRT (KVMRT) OSH Conference was replaced by the MRT OSH Webinar which was held on 24 April 2021. This webinar discussed how Covid-19 had transformed occupational safety and health as well as opportunities and challenges in the aftermath of Covid-19.

MRT Corp also commemorated National Environment Day to demonstrate its consistent commitment to support the government's effort in developing transformative changes to policies and choices for cleaner, greener, and sustainable living with nature. An Environmental Management Webinar 2021, with the theme 'Renewable Electricity and Green Technology', was organised on 3 November 2021 to replace the annual physical conference, focusing on the greening of the Malaysian construction sector and managing waste by converting rubbish into energy. Prior to the webinar, two programmes were conducted, namely the Environmental Paper Presentation and Environmental Quiz.

Three virtual training sessions were held for the MRT Corp's Emergency Response Team to maintain and enhance their skills. These covered First Aid Refresher Training, Safety Briefing on Covid-19 Prevention and Control by the Fire Service Department, and an Emergency Response Plan and Preparedness Training. CHESS also conducted an Effective Safety and Health Committee and Environment Management Awareness Virtual Training to all the MRT SHE Committee members and Green Ambassadors to improve their competency in carrying out their roles and obligations and awareness of pertinent legislation needs.

During the year under review, CHESS launched a new program called 'MRT Recycle Week' in conjunction with its Waste Management



Awareness Program. Numerous Recycling Collection Programs were organised in collaboration with Alam Flora Sdn Bhd. MRT Corp was able to recycle 4.638 tonnes of recyclable waste which was generated in MRT Corp offices throughout 2021. CHESS also conducted a Waste Management Awareness Webinar and Waste Management Awareness Quiz.

CHESS was also involved in the establishment of the Construction Industry Development Board's Construction Industrial Standard (CIS 28:2021) which covered Public and Road User Safety – Construction Works Adjacent to and Above Roadways. MRT Corp was a member of the Technical Committee representing the construction industry's stakeholders.

On 18 November 2021, CHESS was invited by the Department of Occupational Safety and Health Malaysia (DOSH) to participate in its Occupational Safety and Health in Construction Industry Management (OSHCIM) Workshop. The workshop brought together DOSH and major industry players to further expand the requirements for OSHCIM and gather suggestions on how to improve implementation.

Centralised Labour Quarters



The occupancy at the Centralised Labour Quarters (CLQ) for the PY Line Project stood at 1,962 at the end of the period under review, with the Cochrane CLQ for underground works having the highest occupancy at 68%. The occupancy status for each CLQ is shown in Table 1.

During the period under review, four CLQs for V201, V203, V204, and V208 were closed following the completion of their work packages.

As a measure to contain the spread of Covid-19, the project decided to house inhabitants within the CLQ and also non-CLQ workers into smaller groups. This move was to avoid crowding and successfully contained the spread of the virus among workers. Workers were also tested continuously and those who had Covid-19 were quickly quarantined.

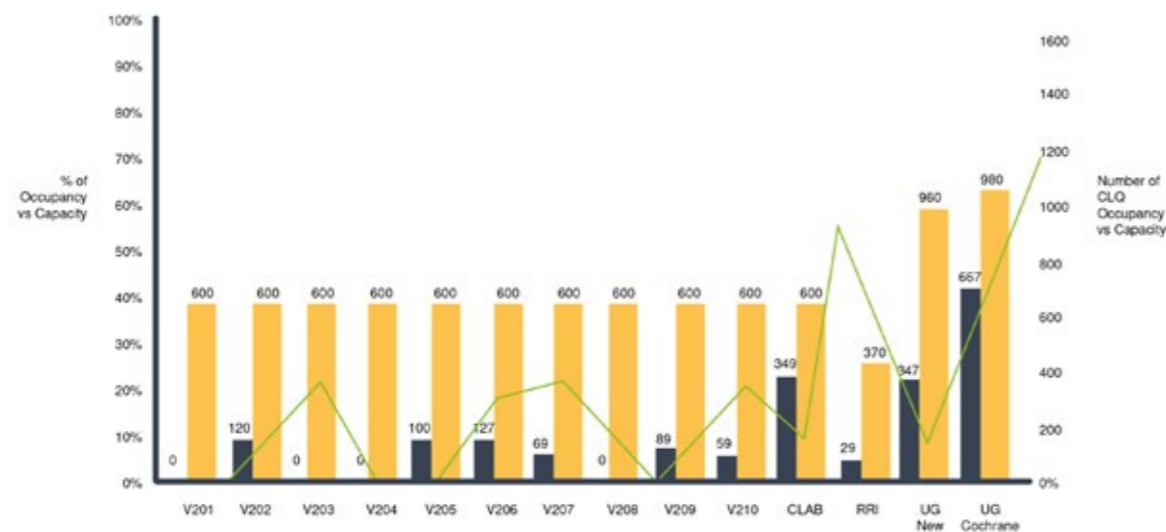
During the period under review, despite limitations to activities that could be carried out due to the pandemic, MRT Corp managed to

hold a CLQ and Security Webinar on 3 August 2021. The participants learned about the amended Act 446 and on how to reduce the risk of infectious disease for workers staying at CLQ, as well as on the risk of terrorism on the project.

On 21 October 2021, Subang Jaya City Council Mayor TPr Hajah Noraini Haji Roslan visited the Serdang CLQ to gain more knowledge on managing and implementing temporary accommodation for foreign workers.

Meanwhile on 22 October 2021, MRT Corp hosted the Malaysian Industrial Safety and Health Association (MISHA) Working Committee on a working visit to the CLQ. MISHA was invited by Gadang Engineering, the Work Package Contractor for V206, in recognition of their success in winning the Malaysian Industrial Safety and Health Association's Best CLQ Award. MISHA President, En Aziz Basiran presented the award to V206 Gadang Engineering.

Table 1: CLQ Occupancy Status



CLQ	Occupancy	Capacity	% of occupancy vs capacity
V201	0	600	0%
V202	126	600	21%
V203	0	600	0%
V204	0	600	0%
V205	100	600	17%
V206	127	600	21%
V207	69	600	12%
V208	0	600	0%
V209	89	600	15%
V210	59	600	10%
CLAB	349	600	58%
RRI	29	600	8%
UG New	347	960	36%
UG Cochrane	667	980	68%

Communications and Stakeholder Relations

Events and activities

During the period under review, a number of events were organised to mark significant milestones in the construction of the PY Line.

On 17 March 2021, a virtual ceremony was held for the rolling out of the PY Line's final train set from the Rotem factory in Changwon, South Korea. Via a video link-up, MRT Corp CEO Datuk Mohd Zarif Hashim and PY Line Project Director Dato' Amiruddin Ma'aris, who were in the MRT Corp headquarters in Kuala Lumpur, flagged off the train cars as they left the factory in Changwon to be shipped off to Malaysia to be assembled at the train assembly plant at Rasa, Selangor.

Later in the year on 20 November 2021, MRT Corp took delivery of the fully assembled final train set at the Serdang MRT Depot. A ceremony was held to celebrate the milestone, which also signified the successful completion of the Industrial Collaboration Programme initiative under the Electric Train and Depot Equipment work package.

On 3 April 2021, Transport Minister Datuk Seri Ir Dr Wee Ka Siong and Deputy Finance Minister I Datuk Abd Rahim Bakri inspected the Phase One section of the PY Line to check on its readiness for operation. The visit began at Sri Damansara Sentral MRT Station where a briefing was given on the Phase One alignment as well as the station layout and location. The delegation then boarded the train and alighted at Kampung Batu MRT Station.

Another milestone was achieved on 3 May 2021 when the design of the bench for the PY Line's underground station was chosen. The design was the grand prize winner for a design competition called TRANSEAT. Called 'Infinity', the design was by husband-and-wife team Jaihar Jailani Ismail and Noor Syahidah Abdullah from Johor Bahru. The competition, which was held the year before, was organised in collaboration with Majlis Rekabentuk Malaysia and supported by Persatuan Peraka Perindustrian Malaysia and saw over 500 designs submitted.

Transport Minister Datuk Seri Ir Dr Wee Ka Siong, his deputy Dato Henry Sum Agong and Federal Territories Minister Datuk Seri Dr Shahidan Kassim visited the HKL Crossover Box and the HKL MRT Station sites on 4 October 2021 to inspect the PY Line underground works. Also present was Kuala Lumpur Mayor Datuk Seri Hj Mahadi Che Ngah. During the inspection, the ministers checked the crossover, tracks, switching systems, underground station and other structures and facilities, and involved a walk along the MRT tunnel beneath Jalan Tun Razak between the crossover box and the station. In the following month, APAD Director-General Datuk Azlan Shah Al Bakri also inspected the operational readiness of the stations and trains of Phase One of the PY Line. His working visit to a number of locations took place on 1 November 2021.

In support of the Government's National Covid-19 Immunisation Programme, MRT Corp collaborated with University of Malaya Medical Centre (UMMC) in its Vaccination Outreach (VOC) Program.



The buses were deployed as mobile vaccination units to Desa Temuan in Damansara Perdana, Petaling Jaya, and also the Desa Rejang Public Housing Scheme in Setapak, Kuala Lumpur on 11 August 2021 and 28 August 2021. Prior to that, the feeder buses were used to ferry members of the RC Deaf Missions Malaysia and residents of the Lembah Subang Public Housing Scheme to UMMC for their vaccination on 23 July 2021 and 30 July 2021 respectively.

To inculcate the spirit of patriotism among its employees, MRT Corp participated in the Hari Kebangsaan and Hari Malaysia (HKHM) campaign and organised a virtual celebration with the theme Penghayatan Kemerdekaan organised on 30 August 2021. A sharing session anchored by MRT Corp CEO Datuk Mohd Zarif Hashim was held which saw employees share what Malaysia's independence meant to them. This was followed by the announcement of winners for several Merdeka-themed competitions. The celebration ended with a sing-along by everyone to the song 'Tanggal 31'.

As part of the HKHM celebrations, the Jalur Gemilang was also hung at all PY Line Stations and worksites.

The year ended on a relatively somber note as several MRT Corp staff were severely affected by the massive floods to hit the Klang Valley in December. The MRT Corp Tabung Bencana Banjir was established to enable staff to contribute towards helping colleagues who were affected by the floods. Volunteers were also mobilised to help clean affected houses.

MRT Information Centre

The MRT Information Centre (MIC) was established as the main touchpoint for the PY Line. It is located at the Bandar Malaysia Utara MRT Station site and equipped with an interactive Hawkeye application that displays a 360-degree aerial view of the entire PY Line, feedback counter, information boards, brochures and a model of a tunnel boring machine.

Due to the Covid-19 pandemic, the MIC had to be closed for any physical visits. It was replaced with online sessions which incorporated a virtual tour of the Cochrane MRT Station beginning on 19 February 2021. Visitors were able to get 360 degree views of various locations within the station box, all the time 'guided' by engineers involved in the construction of the station.

On 2 September 2021, 10 members from the Malaysia Trains and Rail Enthusiasts Community (MTREC) participated in a virtual visit to the MIC to understand how the MRT was built and to learn more about the testing and operations of rolling stocks.

Stakeholder Engagement

There were a total of 23 engagements carried out with stakeholders, under the PY Line project in the year 2021. These engagements were mainly held to update the stakeholders on construction activities as the completion of Putrajaya Line was approaching, and to address their concerns on construction updates.



MRT Kajang Line





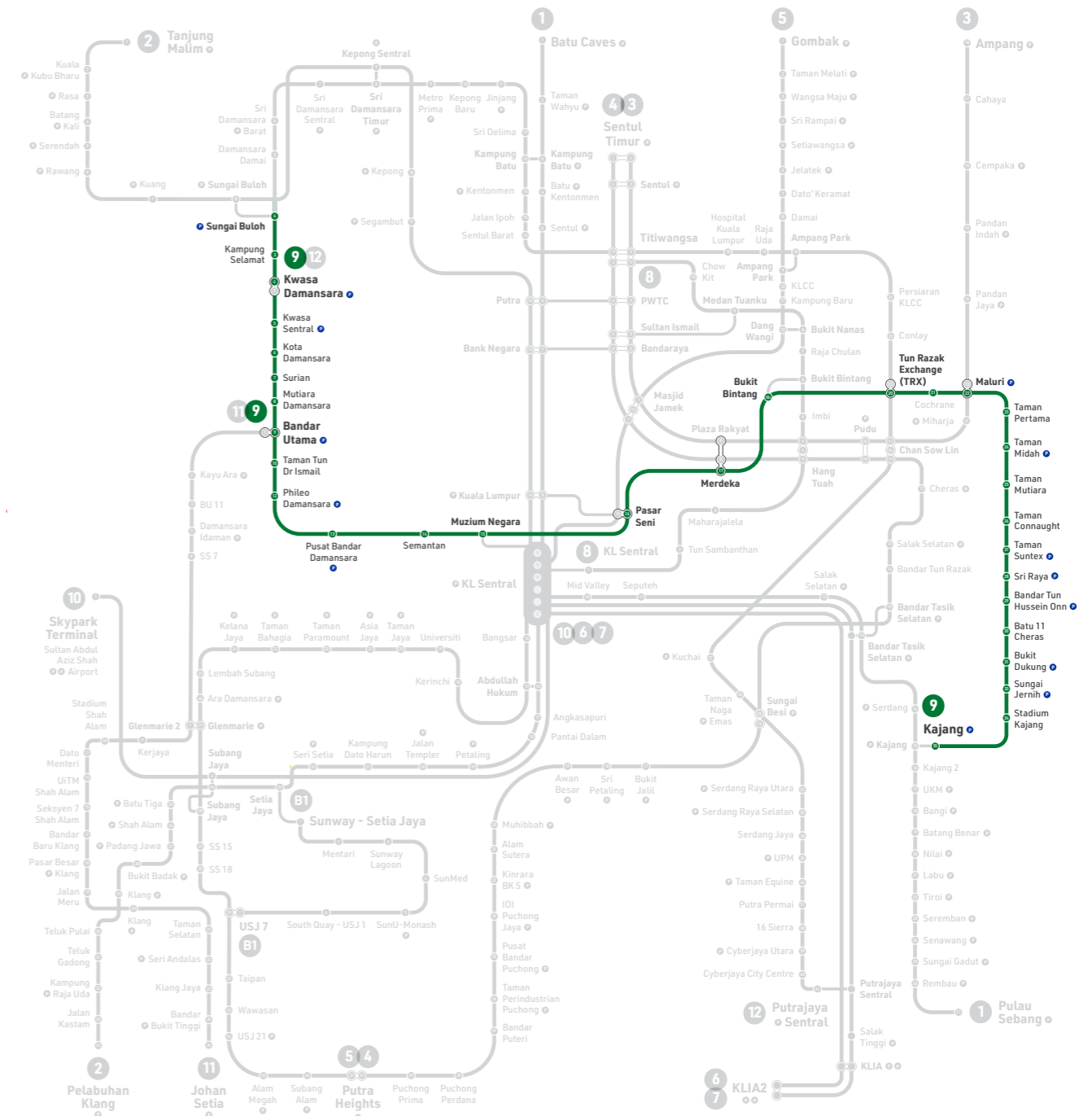
MRT Kajang Line

The 51km KG Line is the first line of the KVMRT Project to be implemented. The line begins at 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 KG 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 29 stations of which seven are underground.

The entire line was opened on 17 July 2017 and is served by 58 four-car train sets. Each train set has a capacity of 1,200 people. Upon its opening, the KG Line was handed over to Rapid Rail Sdn Bhd, a subsidiary of Prasarana Berhad, as the appointed operator of the line.

MRT Kajang Line Alignment Map



Asset Operations and Management

Following the handing over of the KG Line to line's operator upon the commencement of revenue service, MRT Corp assumed the role as asset owner of railway and feeder bus infrastructure of the line.

Pursuant to the annual operating and maintenance schedule and the Operating and Maintenance Agreement between MRT Corp and Rapid Rail Sdn Bhd as well as Rapid Bus Sdn Bhd, MRT Corp's Asset Operations and Management Division began conducting audits and inspections on the KG Line rail and feeder bus operators. These audits and inspections are crucial in order to ensure the full performance of the line's assets.

During the period under review, the main activities performed were the asset performance audit on the operators of the rail and feeder bus services as well as on the Multi Storey Park and Ride and At Grade Park and Ride operators.

The results of the audit findings were addressed with the operators for improvement. In addition to the annual audit, weekly inspections to monitor asset conditions were also carried out to verify and ensure the functionality and availability at all times.

The Assets Operations and Management Division had also undertaken projects to upgrade and enhance the security of MRT assets to mitigate theft and trespassing issues along the KG Line. Apart from that, department's Development Building Control Section has also been actively monitoring activities within the MRT railway protection zone and managing the issues raised by third parties and stakeholders.

Monitoring and control over the modification of existing assets through the Application for Modification process was also carried out by the department. One of the major items handled was works related to the migration of assets from the KG Line to the PY Line. Other areas involving modifications included the business development activities of MRT Corp.

Apart from that, the department also facilitates focused audits on the KG Line by the National Audit Department of Malaysia.

Closing of Final Accounts

The Defect Liability Period for the KG Line officially ended on 16 December 2018 for Phase One between Sungai Buloh Station and the Semantan Portal and including Sungai Buloh Depot, and on 17 July 2019 for Phase Two for the remaining civil and system work packages.

With that, the Defect Liability Period Failure Review Board Meetings were replaced with Project Closure Meetings to follow through on the closure of the final defect list and to ensure all the pending defect items are closed before the issuance of the Certificate of Making Good Defects to the civil and system work package contractors.

During the period under review, the final account closures were progressing accordingly for the work packages that had been issued with Certificates of Making Good Defects.

Procurement

Two tenders were called and awarded for the KG Line during the period under review for the remaining works at the Desa Tun Razak Bus Depot and Kajang Bus Depot. The works were needed due to requirements imposed by the authority for the issuance of Certificate of Completion and Compliance (CCC). The awarded Work Packages are summarised in **Table 1**.

Table 1: Awarded Work Packages

No	Code	Work Packages	Awarded Amount (RM)	LOA Issued
1.	DTRBUS	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for Klang Valley Mass Rapid Transit Project, KG Line at Lot 2816 (PA14383), Persiaran 2/118C, Kawasan Perindustrian Desa Tun Razak, Mukim Petaling, Daerah Petaling 56000 Wilayah Persekutuan Kuala Lumpur.	3,781,082.70	12 Aug 21
2.	KJGBUS	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for Klang Valley Mass Rapid Transit Project, KG Line, at Lot 24728 Jalan Sungai Sekamat, 43000 Mukim Kajang, Daerah Hulu Langat, Selangor.	4,752,156.20	12 Aug 21
TOTAL			8,533,238.90	

Land

Land matters for the KG Line are currently in the post acquisition stage. Pursuant to Section 25 of the Land Acquisition Act (LAA) 1960, Section 62 and Section 76 of the National Land Code (NLC) 1965 and also in relation to Article 83 and 85 of Federal Constitution, there is a requirement to carry out final title survey on titles-in-continuation for land lots that were partly acquired, reservation of land for the MRT alignment, and alienation of land under Federal Land Commissioner.

During the year under review, progress for final survey work was at 85%. The activities are summarised in **Table 2**.

Table 2: Post Land Acquisition Activities

Post Acquisition Activities	Status
Titles in continuation	100%
Tunnel Survey	100%
Reservation	52%
Overall progress	85%



Communications and Stakeholder Relations

Events and Activities

With the objective to help lessen the plight of the homeless living on the streets and those in need, MRT Corp in collaboration with Kechara Soup Kitchen (KSK) sponsored 140 packs of food which were distributed to the homeless at KSK's soup kitchen at Jalan Barat, Kuala Lumpur on 1 March 2021. The Corporate Social Responsibility (CSR) activities continued with a donation to Sekolah Kebangsaan Sg Kantan, Kajang to upgrade the school's public announcement system.

Around 30 MRT Corp volunteers distributed 3000 packs of kurma to the commuters at the Pasar Seni, Merdeka and Bukit Bintang MRT stations on 22 April 2021. Held in conjunction with the blessed month of Ramadhan and in collaboration with Bekind Malaysia, the goal was to encourage the employees to give back to the community by being active in volunteer works and charity programmes.

A media conference was held on 6 October 2021 to announce the temporary closure of three KG Line MRT Stations - Kwasa Damansara, Kampung Selamat and Sungai Buloh for final migration works. The temporary station closures were necessary to enable the final migration of essential operational systems such as communications, signalling and others of this section of the KG Line to the PY Line.

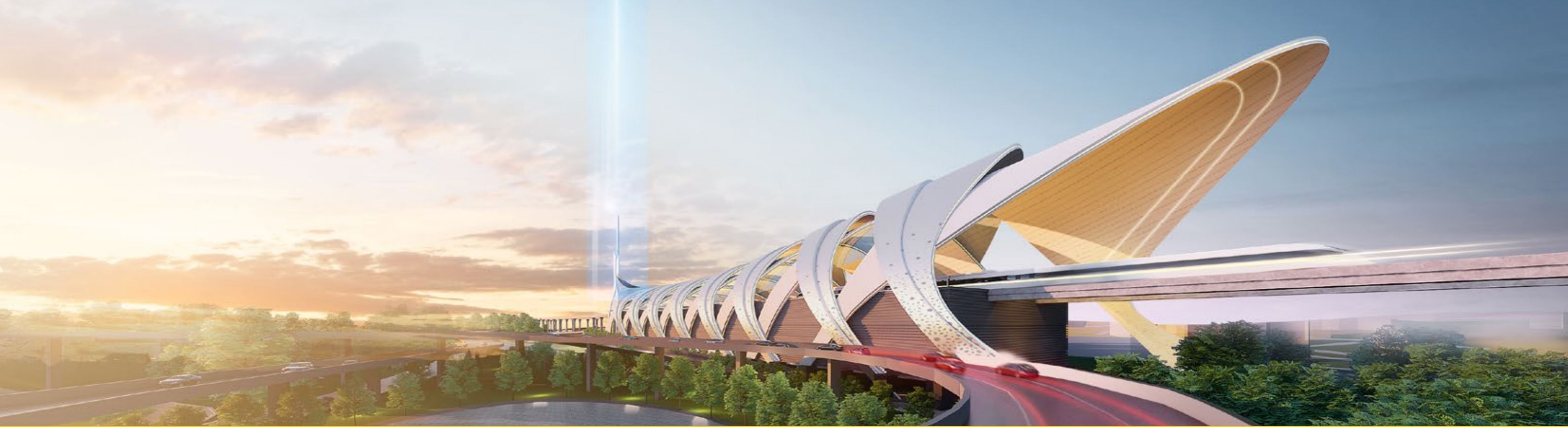
An Anti-Corruption Awareness Campaign on Public Transport was jointly launched by MRT Corp and the Malaysian Anti-Corruption Commission (MACC) on 22 November 2021, in line with the Government's strong stance against corruption. The collaboration involved print and digital campaign posters with anti-corruption messages being displayed at top and wall panels inside the train as well as digital panels at underground stations of the KG Line followed by an outer wrap of the train body in the future. During the ceremony, MRT Corp also received the ISO 37001:2016 (Anti-Corruption Management System) certificate for its successful recertification audit.

MRT Corp organised the second edition of the MRT Prihatin 2021 programme on 17 December 2021 as part of its CSR initiatives to the community. With the aim to help the underprivileged communities, 100 'asnaf' or less fortunate people who reside nearby the Sungai Buloh MRT Station received cash aid and food donations from the Zakat Wakalah Fund as well as donations from employees. The programme was a collaboration with the Persatuan Kebajikan Kembara Insani, a non-governmental organisation (NGO) that has been actively helping the needy and poor communities.

Stakeholder Engagement

During the year under review, 15 engagement sessions were conducted for the KG Line.

At the same time, MRT Corp had also been involved in the engagements for the KG Line by relaying support and assistance to the line's operator, Rapid Rail, in addressing operational issues and providing Corporate Social Responsibility activities to the stakeholders along the KG Line.



RTS Link Johor - Singapore



RTS Link Johor Bahru - Singapore

Malaysia Rapid Transit System Sdn Bhd (MRTS), a subsidiary of MRT Corp, is the Infrastructure Company (InfraCo) managing the appointed contractor and consultants for the construction of the Malaysian infrastructure works for the Rapid Transit System Link (RTS Link) Project between Johor Bahru and Singapore.

The RTS Link runs for 4km between two stations, one at Bukit Chagar in Johor Bahru, and the other at Woodlands North in Singapore, with the RTS Link Maintenance Depot in Wadi Hana, Johor Bahru.

The RTS Link is expected to be operational by December 2026. Once operational, the RTS Link is expected to have a daily ridership of over 40,000 passengers in its first year of operations. It will help to alleviate congestion at the Causeway and other border crossings between Malaysia and Singapore. The RTS Link trains will have a capacity of 10,000 passengers per hour, per direction.

During the year under review, the groundbreaking ceremony for the RTS Link Project was officiated by His Majesty Sultan Ibrahim Ibni

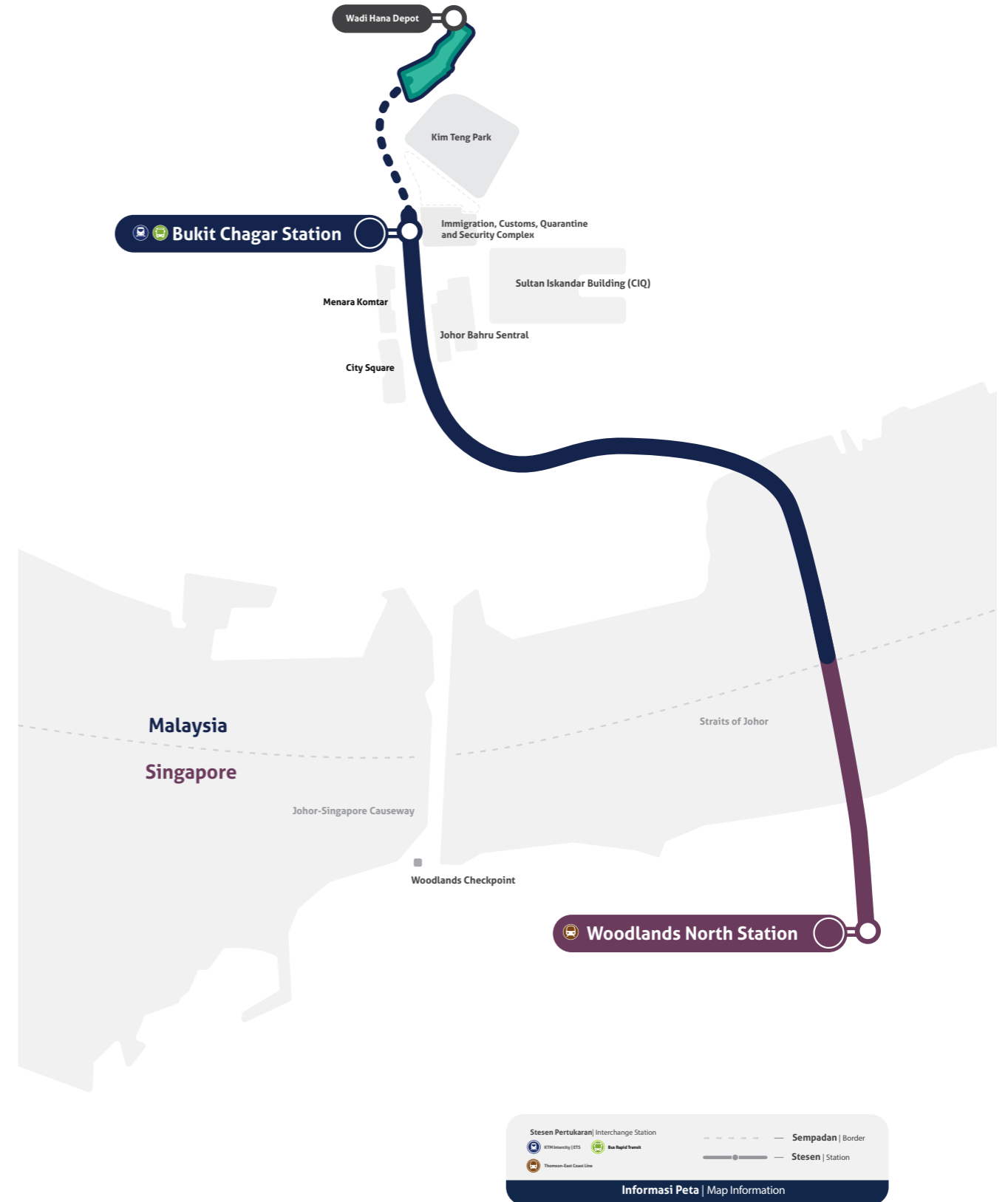
Almarhum Sultan Iskandar, the Sultan of Johor, in a virtual ceremony on 22 November 2020.

The physical ground-breaking took place at the site of the future Immigration, Customs and Quarantine (ICQ) complex in Bukit Chagar while His Majesty Sultan Ibrahim officiated the groundbreaking from Istana Bukit Serene. Other participants, including Transport Minister Datuk Seri Ir Dr Wee Ka Siong, joined the ceremony via video conferencing application.

The following day, MRT Corp in collaboration with Persatuan Akitek Malaysia launched a competition for the design of the facade of the Bukit Chagar RTS Link Station.



RTS Link Johor Bahru - Singapore Alignment Map



Construction

The period under review was a challenging year for the construction industry due to the Covid-19 pandemic and like many other projects, the RTS Link Project was also affected by such circumstances.

Nonetheless, the project managed to kickstart several crucial activities for the project. These included completing the land acquisition process, which required the eviction of the occupant of one land lot at Kampung Wadihana.

Other activities carried out included pre-construction activities such as hoarding installation, site office establishment, Preliminary Test Pile (PTP) and Marine Risk Assessment (MRA). The project also obtained no objection confirmation from all nine utilities service providers to start the utilities relocation works.

The RTS Link Project construction requires significant interfacing planning and coordination works with the Land Transport Authority

(LTA) of Singapore, which is the Singapore Infrastructure Company (InfraCo Singapore) for the project, and RTS Operations Pte Ltd (RTSO), the Operations Company (OpCo) which is responsible for the system procurement and works.

Regular meetings and discussions were held with InfraCo Singapore and OpCo at Joint Sub-Committee and Working Groups levels as well as workshops to align and harmonise the construction works.

As at the end of the year under review, the overall project progress was at 7.75%.



Procurement

During the period under review, tenders for several work packages were called while two work packages were awarded. The procurement status is summarised in **Table 1** while details of the awarded consultancy services contracts are summarised in **Table 2**.

Table 1: Procurement Status

No	Category of Work Packages	Projects awarded between 1 January 2021 and 31 December 2021	Projects awarded to date
1	Consultancy Services:		
	i. Supervising Consultant (SC)	1	1
	ii. Electronic Document Management System (EDMS)	1	1
	TOTAL	2	2

Table 2: Awarded Consultancy Services for RTS Link

No	Code	Work Packages	Awarded Amount (RM)	LOA Issued
1	-	Request for Proposal (RFP) for the Appointment of Supervising Consultant Services	28,918,439.00	19 Aug 21
2	-	Request for Proposal (RFP) for the Appointment of Vendor for the Electronic Document Management System (EDMS)	2,817,689.88	2 Sept 21
		TOTAL	31,736,128.88	

Bumiputera Participation

MRT Corp's Bumiputera Participation programme is also implemented for the RTS Link Project. The Ministry of Finance has approved a carved-out value of 40% of the total project value to be allocated to Bumiputera Contractors Grades G1 to G7.

Towards the end of 2020, MRT Corp had invited Bumiputera contractors Grade G1 and G2 that are registered in the district of Johor Bahru and Grade G3 and G4 contractors registered in the Johor State to submit Expressions of Interest (EOI).

During the period under review, a total of 497 submissions were received. From these, only 283 contractors passed the evaluation

process and were shortlisted. The EOI submission results are summarised in **Table 1**.

For Bumiputera contractors belonging to Grades G5 and G6, their selection will be carried out by the project's Main Contractor with the approval of MRTS.

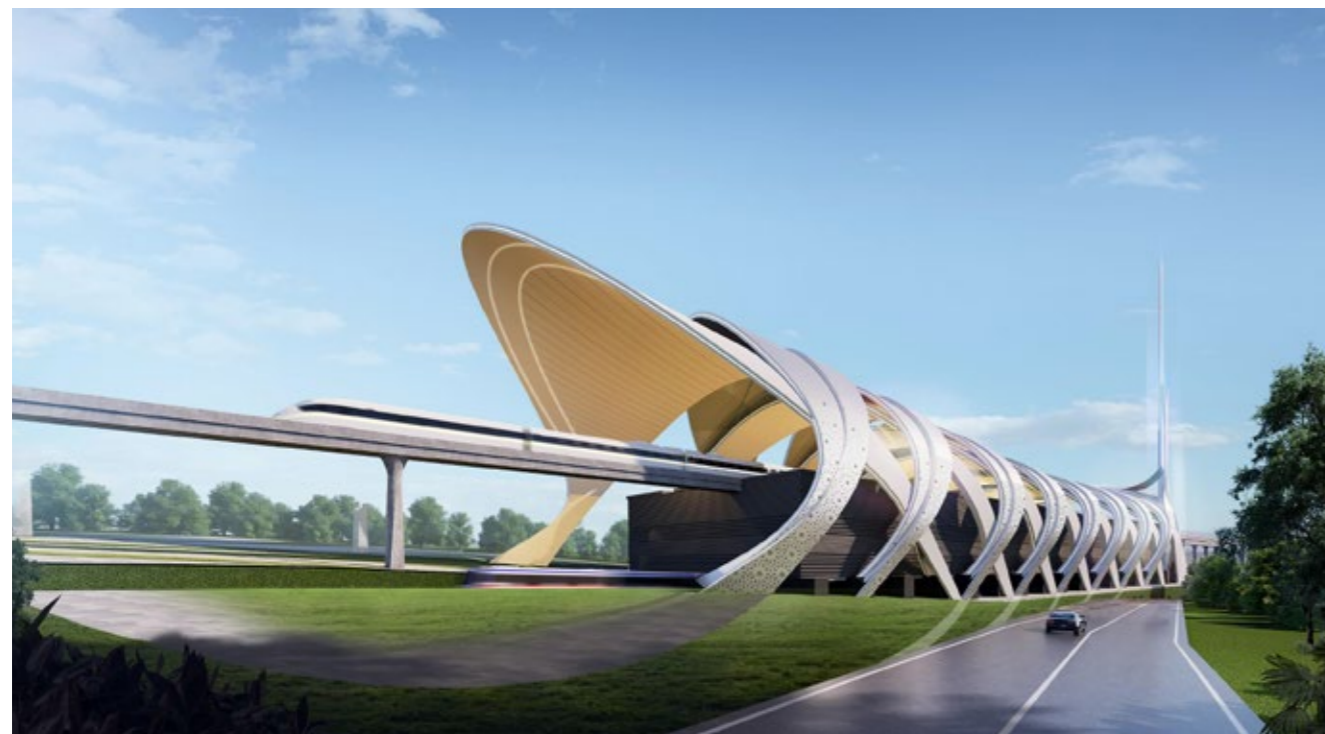
Table 1: Expression of Interest Results

Grade	Submissions Received	Failed	Passed	Passing Percentage
G1	125	60	65	52%
G2	174	80	94	54%
G3	107	47	60	56%
G4	91	27	64	70%
Total	497	214	283	56%

Land

The Land Acquisition process for the RTS Link Project commenced with the publication of the Gazette for land lots likely to be acquired for the project under Section 4 Land Acquisition Act 1960 in October 2020. This was then followed by the publication of the Gazette for a total of 48 land lots to be acquired for the project under Section 8 Land Acquisition Act 1960 on 21 January 2021.

The land acquisition process was completed during the period under review. The total amount of compensation disbursed was RM210,788,155.50. Post-acquisition (Form K) activities began in May 2021 and overall progress at 75% at the end of the period under review.



Communications and Stakeholder Relations

Events and Activities

During the period under review, several events and activities were conducted in relation to the RTS Link Project.

Following the groundbreaking ceremony on 22 November 2020, MRT Corp in collaboration with Persatuan Akitek Malaysia (PAM) launched on the following day the PAM+MRT Corp RTS Link Station Façade Design Ideas Competition for the design of the facade of the Bukit Chagar RTS Link Station. The judging of the competition was held on 8 February 2021 by a Jury Panel chaired by His Majesty Sultan Ibrahim Ibni Almarhum Sultan Iskandar, the Sultan of Johor, who was also Patron of the competition. Also present were His Royal Highness Tunku Ismail Ibni Sultan Ibrahim, the Tunku Makhota of Johor, as well as then Johor Menteri Besar Dato' Haji Hasni Mohammad and PAM President Datuk Ar Ezumi Harzani Ismail.

The competition culminated with the Prize Giving Ceremony, where the virtual ceremony was held on 19 February 2021. The winning design was submitted by Ar Chin Yee Chung of Johor Bahru-based SM Architects Sdn Bhd. Yee took home RM 250,000.00 in prize money.

The Public Inspection for the RTS Link Project was held from 15 January 2021 to 15 April 2021. The exercise was conducted online due to the Covid-19 pandemic but a booth was opened at Komtar JBCC as well as the Land Public Transport Agency (APAD) headquarters in Kuala Lumpur in the final month. A total of 1,004 responses were collected during the Public Inspection, of which 96% had agreed with the implementation of the project.

On 19 April 2021, a simple cheque presentation ceremony was held at the Hotel Berjaya Waterfront, Johor Bahru, to present the compensation for the acquisition of land to affected owners.

The RTS Link Project also hosted several high-level visits during the period under review, including the visit from the Malaysia Fire and Rescue Department on 28 October 2021, led by the Director General Dato' Sri Ts Mohammad Hamdan Haji Wahid with a delegation of 20 senior officers.

On 23 November 2021, the project welcomed a delegation from the Ministry of Transport who were brought on a visit along the RTS Link alignment, maintenance depot and Bukit Chagar station sites. The delegation was headed by the Ministry's Land Division Deputy Under-Secretary Encik Muhammad Asraf Sukadi.

Stakeholder Engagement

During the period under review, a number of stakeholder engagements were conducted to ensure that the communities living adjacent to the RTS Link Project were well-informed of construction activities. Engagements were also held with a number of ministries, government agencies and other stakeholders to ensure the RTS Link Project could be constructed without any disruption.

A hazard identification workshop with the Ministry of Transport and Marine Department Malaysia was held on 2 November 2021 for the project's Marine Risk Assessment.

On 20 December 2021, enforcement had to be taken by the local authorities against a resident of a land lot in Kampung Wadi Hana to enable construction at the site to begin. The resident and his family were relocated to a transit house provided by MRT Corp.





Commercial

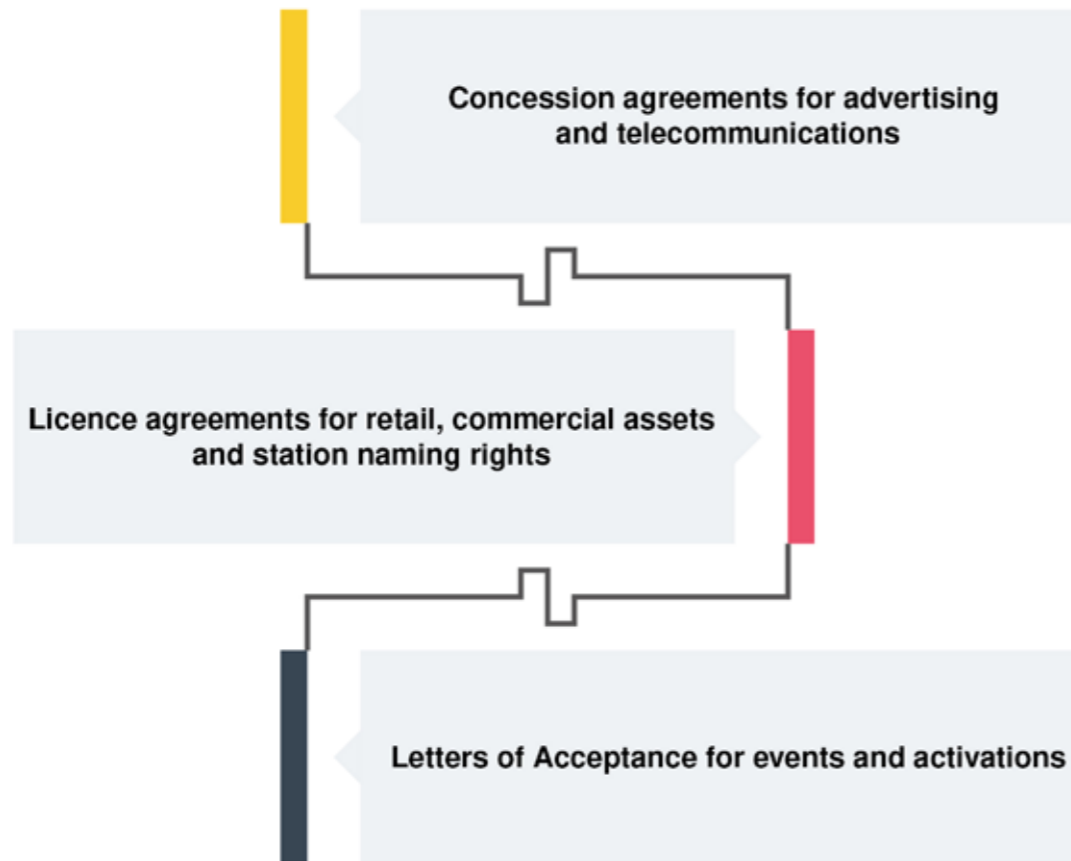


Business Development

The Business Development Department has been given the responsibility to undertake non-fare revenue activities for the KG Line and PY Line in order to generate revenue for MRT Corp.

One of the department's main objectives is to build a profitable and sustainable commercial business for the organisation by offering a variety of services such as advertising, station retail, station naming rights, event and activations, commercial assets leasing and telecommunications services.

The department's approach in managing non-fare businesses are as follows:



Advertising

Titanium Compass Sdn Bhd was appointed to manage the station and train advertising of the KG Line.

During the year under review, Titanium Compass installed posters in train interior panels and e-posters on digital panels in a joint initiative between the Malaysian Anti-Corruption Commission and MRT Corp under the 'Anti-Corruption Campaign in Public Transport' which was launched on 22 November 2021.

Other major campaigns include those with the Inland Revenue Board for its 'MyTax' campaign and the Malaysian Palm Oil Council on the exterior of trains.

In addition, Titanium Compass worked closely with the Business Development Department's Events Team on activations at stations and trains to maximise the usage of MRT Corp assets to generate more revenue.

As for exterior advertising, MRT Corp through its strategic partnership with Big Tree Seni Jaya launched various advertising concepts on the KG Line assets during the period under review. As at 31 December 2021, MRT Corp had approved various types of advertising formats introduced by Big Tree Seni Jaya utilising a total of 142 piers and four footbridges along the KG Line alignment.

Among the advertising formats were beamers, lumi pillars, adoptions, halo panels including at footbridges and portals, sexy curves, digital towers (LED), underground station glass stickers, underground station lightboxes and ambient media.

These outdoor formats were unique as they could only be found on MRT Corp assets, resulting in media packages which were attractive to both local and international advertisers. These had enabled an increase in advertising revenue for exterior advertising.



Station Retail and Commercial Asset Leasing

Retail businesses at MRT stations are predominantly grab-and-go food and beverages outlets as well as convenience stores. Future plans which are in the pipeline include retail outlets in the underground stations, street level, as well as vending machines in the soon to be operational PY Line.

MRT Corp's space rental business was diversified in 2020 with the commencement of car park bays space rental. This collaborative initiative saw application-based rental cars being provided at five stations and one multi-storey park and ride facility of the KG Line which enabled commuters to conveniently rent vehicles to complete their last mile journeys. The success of this initiative resulted in a renewal of this arrangement during the period under review.



Station Naming Rights

MRT Corp had successfully awarded the Station Naming Rights for Phase One of the KG Line to four companies in December 2017. The successful bidders were:-

Maluri MRT Station - AEON

Bukit Bintang MRT Station - Pavillion Kuala Lumpur

Pusat Bandar Damansara MRT Station - Pavillion Bukit Damansara

Semantan MRT Station - Manulife

During the period under review, MRT Corp resumed the Station Naming Rights activities for the following: Phase Two of the KG Line for the remaining 27 stations.

PY Line through a tender process tentatively to be held in Quarter Two and Three of 2022.

Brands participating in the Station Naming Rights exercise would have its brand name announced in trains for an average of 700,000 time per year while brand visual exposure at stations would support brand recall throughout the passengers' journeys on the train.

Events and Activations

Since the commencement of operations of the KG Line, more than 100 events, activations, filming and photography activities have been held at MRT stations and trains. Clients consist of government agencies, property developers, banks and small to medium enterprises.

During the period under review, MRT Corp collaborated with the Orang Orang Drum Theatre where they performed a show and displayed their curated art under the theme, 'In Transit-ion: A Poetic MRT Journey'. The performances were focused on love, loss and experiences during the Covid-19 pandemic and were held at various MRT stations and in trains.

A collaboration between MRT Corp and BookXcess was also initiated during the period under review, which saw the setting up of The Community Library at MRT Surian Station. The aim of the initiative was to provide easy access to books and inculcate a reading culture among commuters.

Other activities apart from events, activations, filming and photography are MRT Feeder Bus Charter services.



Commercial Telecommunications

MRT Corp is a Network Facilities Provider (NFP) Licence holder issued by the Malaysian Communications and Multimedia Commission (MCMC) since August 2016.

MRT Corp was authorised to commercialise its telecommunication assets such as the Commercial Mobile Telecommunication System (CMTS) in-building coverage system within the KG Line's seven underground stations and tunnels, commercial fibre optic cables, space rental in the Commercial Telecommunication Equipment Room (CTER) and MDF Room in stations including ducts and pits along the railway alignment. CMTS enables mobile cellular coverage provided by all six mobile operators inside the KG Line underground stations and both northbound and southbound tunnels.

MRT Corp had signed a contract with a Third Party Operator, XMT Technologies Sdn Bhd, in October 2017 to operate, maintain and commercialise MRT Corp's telecommunication assets.

During the year under review, MRT Corp was in the midst of finalising the commercial arrangement with mobile operators for the CMTS network, MRT Corp was also working on new business development initiatives with mobile operators and other parties.

With the objective of maximising revenues, strategic collaboration with other telecommunications companies were in the pipeline for 2022.



Financial Reports



Statement of Financial Position as at 31 December 2021

RM' 000

	Group		Company	
	2021	2020	2021	2020
Assets				
Property, plant and equipment	72,302	14,613	14,724	6,834
Right-of-use assets	30,788	36,280	27,805	32,768
Investment in a subsidiary	-	-	100	100
Total non-current assets	103,090	50,893	42,629	39,702
Other receivables, deposits and prepayments	2,421,550	2,182,778	2,420,768	2,186,269
Cash and cash equivalents	1,682,841	1,800,142	1,350,649	1,652,032
Total current assets	4,104,391	3,982,920	3,771,417	3,838,301
Total assets	4,207,481	4,033,813	3,814,046	3,878,003
Equity				
Share capital	863,000	863,000	863,000	863,000
Contribution from Government of Malaysia	57,260,329	53,348,815	56,879,846	53,193,344
Accumulated losses	(56,656,040)	(52,984,321)	(56,656,626)	(52,982,689)
Total equity	1,467,289	1,227,494	1,086,220	1,073,655
Liabilities				
Lease liabilities	25,695	30,990	23,207	30,990
Total non-current liabilities	25,695	30,990	23,207	30,990
Lease liabilities	5,837	5,321	5,299	5,321
Other payables and accruals	2,678,156	2,734,689	2,668,816	2,732,718
Current tax liabilities	30,504	35,319	30,504	35,319
Total current liabilities	2,714,497	2,775,329	2,704,619	2,773,358
Total liabilities	2,740,192	2,806,319	2,727,826	2,804,348
Total equity and liabilities	4,207,481	4,033,813	3,814,046	3,878,003

Statement of Profit or Loss and Other Comprehensive Income for the Year Ended 31 December 2021

RM' 000

	Group		Company	
	2021	2020	2021	2020
Other income	32,275	30,017	32,238	29,982
Administrative expenses	(67,343)	(59,887)	(63,748)	(58,007)
Net (impairment loss)/reversal on impairment loss on financial assets	(8,309)	12	(8,309)	12
Net impairment loss on property, plant and equipment	(3,651,820)	(8,931,042)	(3,651,820)	(8,931,042)
Finance income	30,970	28,777	25,075	28,563
Finance costs	(1,352)	(434)	(1,233)	(434)
Loss before tax	(3,665,579)	(8,932,557)	(3,667,797)	(8,930,926)
Tax expense	(6,140)	(9,296)	(6,140)	(9,296)
Loss and total comprehensive expense for the year	(3,671,719)	(8,941,853)	(3,673,937)	(8,940,222)

Consolidated Statement of Changes in Equity for the Year Ended 31 December 2021

RM' 000

	Share capital	Contribution from Government of Malaysia	Accumulated Losses	Total
Group				
At 1 January 2020	863,000	44,632,125	(44,042,468)	1,452,657
Net increase in contribution from Government of Malaysia	-	8,716,690	-	8,716,690
Loss and total comprehensive expense for the year	-	-	(8,941,853)	(8,941,853)
At 31 December 2020/1 January 2021	863,000	53,348,815	(52,984,321)	1,227,494
Net increase in contribution from Government of Malaysia	-	3,911,514	-	3,911,514
Loss and total comprehensive expense for the year	-	-	(3,671,719)	(3,671,719)
At 31 December 2021	863,000	57,260,329	(56,656,040)	1,467,289

RM' 000

	Share capital	Contribution from Government of Malaysia	Accumulated Losses	Total
Company				
At 1 January 2020	863,000	44,632,125	(44,042,467)	1,452,658
Net increase in contribution from Government of Malaysia	-	8,561,219	-	8,561,219
Loss and total comprehensive expense for the year	-	-	(8,940,222)	(8,940,222)
At 31 December 2020/1 January 2021	863,000	53,193,344	(52,982,689)	1,073,655
Net increase in contribution from Government of Malaysia	-	3,686,502	-	3,686,502
Loss and total comprehensive expense for the year	-	-	(3,673,937)	(3,673,937)
At 31 December 2021	863,000	56,879,846	(56,656,626)	1,086,220

Statement of Cash Flows for the Year Ended 31 December 2021

RM' 000

	Group		Company	
	2021	2020	2021	2020
Cash flows from operating activities				
Loss before tax	(3,665,579)	(8,932,557)	(3,667,797)	(8,930,926)
Adjustments for:				
Depreciation of property, plant and equipment	2,680	3,816	2,324	3,816
Depreciation of right-of-use assets	6,130	5,736	5,601	5,736
Finance income	(30,970)	(28,777)	(25,075)	(28,563)
Finance costs	1,352	434	1,233	434
Gain on disposal of property, plant and equipment	-	(426)	-	(426)
Net impairment loss/(reversal of impairment loss) on financial assets	8,309	(12)	8,309	(12)
Net impairment loss on property, plant and equipment	3,651,820	8,931,042	3,651,820	8,931,042
Operating loss before changes in working capital	(26,258)	(20,744)	(23,585)	(18,899)
Changes in working capital:				
Other receivables, deposits and prepayments	(14,519)	(5,339)	(14,028)	(5,503)
Other payables and accruals	8,897	1,621	7,404	(450)
Cash (used in)/generated from operations	(31,880)	(24,462)	(30,209)	(24,852)
Interest paid	(5)	(7)	(5)	(7)
Tax paid	(10,955)	(300)	(10,955)	(300)
Tax refunded	-	349	-	349
Net cash used in operating activities	(42,840)	(24,420)	(41,169)	(24,810)
Cash flows from investing activities				
Acquisition of property, plant and equipment	(3,707,259)	(8,539,632)	(3,662,980)	(8,531,853)
Proceeds from disposal of property, plant and equipment	-	426	-	426
Interest received	30,290	30,884	24,665	30,856
Net cash used in investing activities	(3,676,969)	(8,508,322)	(3,638,315)	(8,500,571)
Cash flows from financing activities				
Payment of lease liabilities:				
- Principal	(5,417)	(5,783)	(4,931)	(5,783)
- Interest	(1,347)	(427)	(1,228)	(427)
Contribution received from Government of Malaysia	3,609,272	8,994,582	3,384,260	8,839,111
Net cash from financing activities	3,602,508	8,988,372	3,378,101	8,832,901
Net increase in cash and cash equivalents	(117,301)	455,630	(301,383)	307,520
Cash and cash equivalents at 1 January	1,800,142	1,344,512	1,652,032	1,344,512
Cash and cash equivalents at 31 December	1,682,841	1,800,142	1,350,649	1,652,032



Awarded Work Packages



AWARDED WORK PACKAGES FOR MRT KAJANG LINE

No	Code	Work Packages	Work Package Contractor	Date of Award	RM' Million
Advance Works					
1	AW1 - Package A	Dilapidation Survey Works for Semantan and Cochrane Launching Shaft	Cunningham Lindsey Adjusters (M) Sdn Bhd	2-Mar-2011	0.04
2	AW2 - Package C1	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	AW3 - Package C2	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	AW4 - Package D1	Relocation of Existing Telecommunication and Power Supply Cables for Cochrane Launching Shaft	E.S.S. Engineering Sdn Bhd	27-May-2011	0.01
5	AW5 - Package D2	Relocation of Existing Sewerage and Water Mains for Cochrane Launching Shaft	Puncak Niaga (M) Sdn Bhd	24-Jun-2011	0.49
6	AW6 - Package E	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	AW7 - Package F1	Construction and Completion of Contiguous Bored Piles including Ground Anchor for Semantan Launching Shaft	Geohan Sdn Bhd	6-Mar-2012	6.58
8	AW8 - Package F2	Construction and Completion of Secant Bored Piles for Cochrane Launching Shaft	Bauer (M) Sdn Bhd	15-Aug-2011	10.59
9	AW9	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	AW10	Demolition of Chiller Room, Pump Houses and Removal of Piles Obstructing TBM Drive at IPPKLL	Pembinaan CW Yap Sdn Bhd	17-Oct-2011	2.65
11	AW11 - Package GPL1	Relocation of Existing Gas Pipe Line for Muzium Negara Station	Misi Setia Oil and Gas Sdn Bhd	6-Mar-2012	0.92
12	AW12 - Package SYB1	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	AW13 - Package TEL1	Relocation of Existing Telecommunication Lines for Muzium Negara Station	Sri Communication Sdn Bhd	14-Dec-2011	0.7
14	AW14 - Package TCO1	Relocation of Existing Fibre Optic Lines for Muzium Negara Station	Tenaga Nirwana (M) Sdn Bhd	14-Dec-2011	1.5
15	AW15 - Package TNB1	Relocation of Existing Power Supply Cables for Muzium Negara Station and Merdeka Station	Worktime Engineering Sdn Bhd	14-Dec-2011	1.72
16	AW16 - Package TEL2	Relocation of Existing Telecommunication Lines for Merdeka Station	Sri Communication Sdn Bhd	14-Dec-2011	1.98
17	AW17 - Package SYB2	Relocation of Existing Water Pipe Line for Maluri Station	MMC-Gamuda KVMRT (PDP) Sdn Bhd	8-Mar-2012	8.34
18	AW18 - Package TEL3	Relocation of Existing Telecommunication Lines for Maluri Station	Sri Communication Sdn Bhd	19-Jan-2012	10.02
19	AW19 - Package TCO2	Relocation of Existing Fibre Optic Lines for Maluri Station	Fastpro Sdn Bhd	19-Jan-2012	3.9
20	AW20 - Package TNB2	Relocation of Existing Power Supply Cables for Maluri Station	Huls Transmission Sdn Bhd	6-Mar-2012	37.89
21	AW21	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	AW22	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 CW Yap Sdn Bhd	6-Mar-2012	11.9

Viaduct					
23	Elevated Section V1	Construction and Completion of Viaduct Guideway and Other Associated Works from Sungai Buloh Station to Kwasa Damansara Station	Cunningham Lindsey Adjusters (M) Sdn Bhd	2-Mar-2011	0.04
24	Elevated Section V2	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	Elevated Section V3	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	Elevated Section V4	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	Elevated Section V5	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	Elevated Section V6	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	Elevated Section V7	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	Elevated Section V8	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	DPT1	Construction and Completion of Sungai Buloh Maintenance Depot, Administration Building, External Works and Other Associated Works	Trans Resources Corporation Sdn Bhd	18-May-2012	458.98
32	DPT2	Construction and Completion of Kajang Maintenance Depot, External Works and Other Associated Works	TSR Bina Sdn Bhd	24-Jul-2012	212.81
Underground Works					
33		Underground Works (Tunnel, Stations and Associated Structures) between Semantan North Portal and Maluri South Portal	MMC-Gamuda KVMRT (T) Sdn Bhd	30-Mar-2012	8280
Multi-Storey Park and Ride					
34	MSPR1	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	MSPR4	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	MSPR6	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	MSPR8	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	MSPR9	Construction and Completion of Multi-Storey Car Park Building, External Works and Other Associated Works at Kajang Station	Syarikat Muhibah Perniagaan dan Pembinaan Sdn Bhd - Ibwani Resources Sdn Bhd Joint Venture	18-Mar-2013	50.7
39	MSPR11	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	123.2

Electrical and Mechanical Systems					
40	SBK-S-01	Engineering, Procurement, Construction, Testing and Commissioning of Electric Trains	Siemens Malaysia Sdn Bhd - Siemens AG - SMH Rail Sdn Bhd Consortium	28-Sep-2012	1365.09
41	SBK-S-02	Engineering, Procurement, Construction, Testing and Commissioning of Depot Equipment and Maintenance Vehicles	Siemens Malaysia Sdn Bhd - Siemens AG - Hisniaga Sdn Bhd Consortium	28-Sep-2012	418.81
42	SBK-S-03	Engineering, Procurement, Construction, Testing and Commissioning of Signalling and Train Control System	Bombardier (Malaysia) Sdn Bhd	28-Sep-2012	281.31
43	SBK-S-04	Engineering, Procurement, Construction, Testing and Commissioning of Platform Screen Doors	Singapore Technologies Electronics Limited	31-Jan-2013	78.09
44	SBK-S-05	Engineering, Procurement, Construction, Testing and Commissioning of Power Supply and Distribution System	Meidensha Corporation	28-Sep-2012	459.25
45	SBK-S-06	Engineering, Procurement, Construction, Testing and Commissioning of Track Works	Mitsubishi Heavy Industries, Ltd	31-Oct-2012	855
46	SBK-S-07	Engineering, Procurement, Construction, Testing and Commissioning of Telecommunication System	Apex Communications Sdn Bhd - LG CNS Co Ltd Consortium	31-Oct-2012	319.94
47	SBK-S-08	Engineering, Procurement, Construction, Testing and Commissioning of Facility Scada	AFS Engineering (M) Sdn Bhd - Singapore Technologies Electronics Limited Consortium	8-Nov-2012	23.24
48	SBK-S-09	Engineering, Procurement, Construction, Testing and Commissioning of Automatic Fare Collection System	Affiliated Computer Services Solutions France SAS	22-Nov-2012	120.76
49	SBK-S-10	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	SBK-S-11	Engineering, Procurement, Construction, Testing and Commissioning of Building Management System	Metronic Engineering Sdn Bhd	8-Nov-2012	43.04
51	SBK-S-12	Engineering, Procurement, Construction, Testing and Commissioning of Government Integrated Radio Network	Sapura Research Sdn Bhd	4-Jun-2013	4.41
52	SBK-S-13	Design, Procurement, Configuration, Installation, Testing and Commissioning, 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	S1	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	S2	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	S3	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	S4	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	S5	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	S6	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	S7	Construction and Completion of Elevated Stations and Other Associated Works at Batu Sebelas Cheras and Bukit Dukong	Apex Communications Sdn Bhd	28-Aug-2012	104.75
60	S8	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 Procurement					
61	SBG-Northern Section	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	SBG-Southern Section	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	Package V1 - V8	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	ECS1	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
65	ECS2	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	FD1	Supply, Procurement, Installation, Testing and Commissioning of Fire Detection and Protection System for Elevated Package V1 to V2 and Sungai Buloh Depot	PJ Indah Sdn Bhd	4-Jun-2013	31.97
67	FD2	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	FD3	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	FD4	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	SDTTE-1	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	UPS-E	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	LS-E	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	ETS-E	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	LED-E	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	39.9
75	LS-U	Supply, Installation, Testing and Commissioning of Lift System for All Underground Stations and Ancillary Buildings	EITA Elevator (M) Sdn Bhd	25-Jul-2014	15.3
76	ETS-U	Supply, Procurement, Installation, Testing and Commissioning of Escalator and Travelator System for All Underground Stations	EITA Elevator (M) Sdn Bhd	25-Nov-2014	79
77	SDDT-U	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	UPS-U	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	LED-U1	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	LED-U2	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

81	OFF	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	Sign-E1	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	Sign-E2	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	Sign-U	Supply and Delivery of Signages for All Underground Stations and Ancillary Buildings	S&I Urban Designers Sdn. Bhd.	5-May-2016	7.3
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	103.8
Others					
86		Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the KVMRT Project, Sungai Buloh-Kajang Line, at Lot 81520, Seksyen U4, 40150 Shah Alam, Selangor Darul Ehsan for MRT Corp	Perkasa Jauhari Sdn Bhd	7-Oct-2015	64.91
87		Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the KVMRT 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	62.5
88		Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for the KVMRT 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	55.8
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	42.2
92	DTRBUS	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for Klang Valley Mass Rapid Transit Project, KG Line at Lot 2816 (PA14383), Persiaran 2/118C, Kawasan Perindustrian Desa Tun Razak, Mukim Petaling, Daerah Petaling 56000 Wilayah Persekutuan Kuala Lumpur	Syarikat Ismail Ibrahim Sdn Bhd	12-Aug-2021	3.8
93	KJGBUS	Proposed MRT Feeder Bus Depot and Related Supporting Buildings and Facilities for Klang Valley Mass Rapid Transit Project, KG Line, at Lot 24728 Jalan Sungai Sekamat, 43000 Mukim Kajang, Daerah Hulu Langat, Selangor	Irkaz Builders Sdn Bhd	12 Aug 21	4.75

AWARDED WORK PACKAGES FOR MRT PUTRAJAYA LINE

No	Code	Work Packages	Work Package Contractor	Date of Award	RM' Million
Advance Works /Elevated					
1	AW201	Design and Build of Installation, Testing and Commissioning of TNB Pylon and Overhead Transmission Line Relocation	PESB Engineering Sdn Bhd	23-Nov-15	10.4
2	AW202	Design and Build of Installation, Testing and Commissioning of TNB Pylon and Overhead Transmission Line Relocation	Huls Transmission Sdn Bhd	23-Nov-15	7.6
3	SBPQ	Proposed Design and Build of 17-Storey Police Quarters consisting of 136 Units Class F Quarters complete with Facilities and 6-Storey Carpark Podium on Lot 46 and Lot 47, Jalan Suasa 2, Mukim Petaling, Pekan Sungai Besi, Kuala Lumpur for the Development of the Existing Sungai Besi Police Quarters	S N Akmida Holdings Sdn Bhd	15-Jul-16	59.5
Advance Works/Underground					
4	JKR CSL	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 Vicinity	Acre Works Sdn Bhd	2-Feb-16	77.8
5	Kraf / A	Demolition Works at Block C, Bangunan Sultan Abdul Samad	Central Geo Sdn Bhd	2-Feb-16	2
6	Kraf / B	Renovation and Conservation Works to Block A & 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	74.4
7	Kraf / C	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	8.9
8	SPQ	Design and Build of 20-Storey Police Quarters consisting of 300 Units of Police Quarters Class F with Facilities and 5-Storey Podium Carpark	WCT Berhad	29-Mar-16	133.9
Underground					
9	UNGW	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	15470
Civil and Infrastructure/Viaduct					
10	V201	Construction and Completion of Viaduct Guideway and Other Associated Works from Sungai Buloh to Persiaran Dagang	Sunway Construction Sdn Bhd	31-Mar-16	1213
11	V202	Construction and Completion of Viaduct Guideway and Other Associated Works from Persiaran Dagang to Jinjang	Ahmad Zaki Sdn Bhd	4-Apr-16	1439.5
12	V203	Construction and Completion of Viaduct Guideway and Other Associated Works from Jinjang to Jalan Ipoh North Portal	IJM Construction Sdn Bhd	19-May-16	1470
13	V204	Construction and Completion of Viaduct Guideway and Other Associated Works from Bandar Malaysia South Portal to Kampung Muhibbah	WCT Berhad	14-Nov-16	896.4

14	V205	Construction and Completion of Viaduct Guideway and Other Associated Works from Kampung Muhibbah to Serdang Raya	Trans Resources Corporation Sdn Bhd	10-Mar-17	858.2
15	V206	Construction and Completion of Viaduct Guideway and Other Associated Works from Serdang Raya to UPM	Gadang Engineering (M) Sdn Bhd	10-Mar-17	952.1
16	V207	Construction and Completion of Viaduct Guideway and Other Associated Works from UPM to Taman Pinggiran Putra	Mudajaya Corporation Berhad	15-Dec-16	558.6
17	V208	Construction and Completion of Viaduct Guideway and Other Associated Works from Taman Pinggiran Putra to Persiaran Alpina	MTD Construction Sdn Bhd	17-Nov-16	678.7
18	V209	Construction and Completion of Viaduct Guideway and Other Associated Works from Persiaran Alpina to Persiaran APEC	Acre Works Sdn Bhd	10-Mar-17	716
19	V210	Construction and Completion of Viaduct Guideway and Other Associated Works from Persiaran APEC to Putrajaya Sentral	Malaysian Resources Corporation Berhad	19-May-16	648
Civil and Structure/Depot Works					
20	DPT201	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	348.3
21	DPT202	Construction and Completion of Earthworks and Other Associated Works for Serdang Depot	TSR Bina Sdn Bhd	-	14
22	DPT203	Construction and Completion of Earthworks and Other Associated Works for Serdang Depot	TSR Bina Sdn Bhd	5-May-16	89.4
Systems Works					
24	SY202	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)	5-May-16	78.5
25	SY203	Engineering, Procurement, Construction, Testing and Commissioning of Electric Trains and Depot Equipment	HAP Consortium	19-May-16	1620.9
26	SY204	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 Sdn Bhd)	25-Aug-16	1007.3
27	SY205	Engineering, Procurement, Construction, Testing and Commissioning of Power Supply and Distribution System	Colas - Rail Consortium	14-Jul-16	693
28	SY206	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 Dynamics Sdn Bhd)	1-Aug-16	632
29	SY207	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	152.9
Designated Suppliers					
30	SBG201	Supply and Delivery of Segmental Box Girders (Packages V201 to V205)	SPC Industries Sdn Bhd	25-Mar-16	199.3
31	SBG202	Supply and Delivery of Segmental Box Girders (Packages V206 to V210)	Acre Works Sdn Bhd	25-Mar-16	170
32	UPS201	Design, Supply, Delivery, Supervision of Installation, Testing and Commissioning of Uninterruptible Power Supply For Elevated Stations and Depot (Package: Package V201, V202 and Part V203)	ITMAX System Sdn Bhd	9-Jan-19	14.9
33	UPS202	Design, Supply, Delivery, Supervision of Installation, Testing and Commissioning of Uninterruptible Power Supply For Elevated Stations and Depot (Package: Part V203, V204 to V210 and DPT201)	CSPM Resources Sdn Bhd - CSPM Sdn Bhd Consortium	31-Dec-18	26.6

Nominated Subcontractors to Elevated Works					
34	S201	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	212.3
35	S202	Construction and Completion of Elevated Stations and Other Associated Works at Kepong Sentral, Metro Prima, Kepong Baru and Jinjang	S.N. Akmda Holdings Sdn Bhd	21-Dec-16	254.9
36	S203	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	14-Jun-17	342.2
37	S204	Construction and Completion of Elevated Stations and Other Associated Works at Kuchai Lama and Taman Naga Emas	WCT Berhad	19-Sep-17	199.5
38	S205	Construction and Completion of Elevated Stations and Other Associated Works at Sungai Besi and Serdang Raya (North)	Apex Communications Sdn Bhd	12-Oct-17	243.3
39	S206	Construction and Completion of Elevated Stations and Other Associated Works at Serdang Raya (South), Seri Kembangan and UPM	Ahmad Zaki Sdn Bhd	12-Oct-17	288.5
40	S208	Construction and Completion of Elevated Stations and Other Associated Works at Equine Park and Taman Putra Permai	S.N. Akmda Holdings Sdn Bhd	19-Sep-17	219.7
41	S209	Construction and Completion of Elevated Stations and Other Associated Works at 16 Sierra and Cyberjaya North	Acre Works Sdn Bhd	12-Oct-17	137.9
42	S210	Construction and Completion of Elevated Stations and Other Associated Works at Cyberjaya City Centre and Putrajaya Sentral	Malaysian Resources Corporation Berhad	15-Sep-17	145.8
Designated Contractors					
43	L&E201	Supply, Procurement, Installation, Testing and Commissioning of Lift and Escalator System for Elevated Stations (Package: V201, V202 and Part V203)	Rani-MS Engineering Sdn Bhd	19-Sep-17	73.4
44A	L&E202	Supply, Procurement, Installation, Testing and Commissioning of Lift and Escalator System for Elevated Stations (Package: Part V203, V204, V205 and V206)	Eita Elevator (M) Sdn. Bhd	12-Oct-17	69.8
44B	L&E202	Supply, Procurement, Installation, Testing and Commissioning of Lift and Escalator System for Elevated Stations and Depot (Package: V208, V209, V210 and DPT201)	Rani-MS Engineering Sdn Bhd	12-Oct-17	42.9
45	BMS201	Design, Supply, Installation, Testing and Commissioning of Building Management System for Elevated (V201 to V210) and Depot (DPT201)	Global Rail - Dom Industries Joint Venture	12-Oct-17	39.9
46	BMS202	Design, Supply, Installation, Testing and Commissioning of Building Management System for Underground Works	Metronic Engineering Sdn Bhd	27-Mar-18	50
47	EAC201	Design, Supply, Installation, Testing and Commissioning of Electronic Access Control System	Apex - Johnson Controls Consortium (Consortium of Apex Communications Sdn Bhd - Johnson Controls (M) Sdn Bhd)	15-Dec-17	55.8
48	LED201	Design, Supply, Procurement, Installation, Testing and Commissioning of LED Lighting for Elevated Stations (Packages V201 to V203)	Norangkasa Enterprise Sdn Bhd	15-Dec-17	32.3
49	LED202	Design, Supply, Procurement, Installation, Testing and Commissioning of LED Lighting for Elevated Stations (Packages V204 to V206)	Itmax System Sdn Bhd	28-Mar-18	28.9
50	LED203	Design, Supply, Procurement, Installation, Testing and Commissioning of LED Lighting for Elevated Stations (Packages V208 to V210)	S.A. Continental - Hexachamp Sdn Bhd Joint Venture (Joint Venture of S.A. Continental Sdn Bhd - Hexachamp Sdn Bhd)	31-Dec-18	19.1
51	NB201	Design, Supply, Installation, Testing and Commissioning of Noise Barriers and Enclosures for Section I (V201 to V203) and Section II (V204 to V210)	Muhibbah Engineering (M) Bhd	15-Dec-17	189.3

Others					
52	BDT201	Construction and Completion of SSP Line Feeder Bus Depot and Associated Works at Jinjang, Kuala Lumpur	Pembinaan Ikhlas-Merak Sdn Bhd	17-May-19	50
53	BDT202	Proposed Construction and Completion of Putrajaya Line Feeder Bus Depot and Associated Works at Serdang, Selangor Darul Ehsan	Johawaki Construction Sdn Bhd	17-Sep-20	58.8
54	BIS Phase One	Proposed Extended KG Line Bus Integrated System (BIS) Solutions for MRT Feeder Buses Phase 1 for The Projek Mass Rapid Transit Line 2: PY Line	LG CNS Malaysia Sdn Bhd	24-Feb-21	6.1
55	AFC	Proposed Upgrading Works for Other Transit Lines AFC System		12-Jul-21	4.4

AWARDED WORK PACKAGES FOR RAPID TRANSIT SYSTEM LINK

No	Work Packages	Contractor	Date of Award	RM' Million
1	Rapid Transit System Link (RTS Link) Project between Johor Bahru and Singapura	Adil Permata Sdn Bhd	5-Oct-2020	2000

No	Consultancy Services	Consultant	Date of Award	Awarded Amount
1	Request for Proposal (RFP) for The Appointment of Consultancy Services for Environmental Impact Assessment (EIA)	DHI Water and Environment (M) Sdn Bhd	15-Jun-2020	1.4
2	Request for Proposal (RFP) for Appointment of Consultancy Services for Heritage Impact Assessment (HIA)	CGB Consultants Sdn Bhd	19-Jun-2020	0.25
3	Request for Proposal (RFP) for Appointment of Consultancy Services for Social Impact Assessment (SIA)	Peers Consult (M) Sdn Bhd	19-Jun-2020	0.35
4	Request for Proposal (RFP) for The Appointment of Legal Service Provider in Connection with the Construction Agreement	Rahmat Lim & Partners	14-Jul-2020	0.23
5	Request for Proposal (RFP) for The Appointment of Land Survey Consultant	Jurukur Khoo	14-Jul-2020	0.79
6	Request for Proposal (RFP) for the Appointment of Consultancy Services for Quantity Surveyor (QS)	Perunding NFL Sdn Bhd	19-Oct-2020	3.84
7	The Appointment of the Independent Consultant Engineer Services (ICE)	KL Prima Consult Sdn Bhd	5-Nov-2020	19
8	Request for Proposal (RFP) for The Appointment of Supervising Consultant Services	Khairi Consult Sdn Bhd	19 Aug 2021	29
9	Request for Proposal (RFP) For The Appointment of Vendor for the Electronic Document Management System (EDMS)	Petra Cahaya Sdn Bhd	2 Sept 2021	2

TOWARDS COMPLETION



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