



UNIVERSITI TEKNOLOGI MARA

FACULTY OF CIVIL ENGINEERING

**INDUSTRIAL TRAINING REPORT
ECM376**

**WAN MUHAMMAD IZAT IMAN BIN WAN
MUHAMAD IBRISAM
(2016580405)**

**NO 21, JALAN GELANGGANG BUKIT DAMANSARA
50490 KUALA LUMPUR**

JULY 2019

ABSTRACT

The internship report contains the work done during my internship which was held in Mass Rapid Transit Corporation Sdn Bhd (MRT CORP) under Development Building Control Department. This report shows summary of the tasks done during the internship period. The main objective of this report is to explain what I have learned for 2 months (15 July 2019 – 30 August 2019).

The report has four chapters which are:

Chapter 1: Introduction

Introduction

Background of the Company

Organizational Structure

Nature of the Business

Products

Market Strength

Conclusion

Chapter 2: Technical Report

Introduction (Nature of work- design, supervision, Investigation commissioning, Maintenance, supply, Management, construction etc)

Problem encountered and how to overcome it

Experience gained

Conclusion

Chapter 3: Training Attended (weekly summary based on logbook)

Introduction

Exposure level

Conclusion

Chapter 4: Conclusion

Introduction

Lessons learned – Skills developed (technical, communication, human, image building)

Knowledge Gained

Suitability of Organization

Limitations and Recommendations

REFERENCES

APPENDICES

ACKNOWLEDGEMENT

First and foremost, I would like to express my highest gratitude to Allah s.w.t for granting me the strength to complete my internship in two months without having to face a lot of difficulties.

Furthermore, I would also like to thank Mass Rapid Transit Corporation Sdn Bhd for giving me the opportunity and my supervisor Ir. Muhammad Zulqarnain bin Ismail and his designates Muhammad Syabil Fadzil and Sharizal Mohd Salleh for their undivided guidance and knowledge during my internship period in Mass Rapid Transit Corporation Sdn Bhd.

Moreover, I would like to thank faculty supervisor Ts. Zaizatul Zafflina Mohd Zaki who is a lecturer from UiTM ShahAlam for the visit and the evaluation. Not to forget every engineers and staff for helping me whether directly or indirectly and their hospitality during the period.

In a nutshell, I would like to thank my parents and friends who always supported me during the internship period.

TABLE OF CONTENT

No	Title	Page
1	Abstract	1-2
2	Acknowledgement	3
3	Chapter One	5-10
4	Chapter Two	11-27
5	Chapter Three	28-39
6	Chapter Four	40-44
7	References	45
8	Appendices	46-56

CHAPTER ONE: INTRODUCTION

1) Introduction

Industrial Training is a compulsory requirement for students in certain programs at all levels of higher education in Institutions of Higher Learning (IHL). To increase the level of graduates able to work, industrial training program was introduced to strengthen the competencies required. Industrial Training courses give students learning opportunities in the world of work to receive practical experience in order to improve the reliability of the market.

Industrial Training refers to expose students to the real-life experiences of the engineering works and to get them involved in Civil Engineering projects before graduation. It is one of the requirements for the award of Diploma in Civil Engineering is that the student **MUST** complete at least **EIGHT (8) weeks** of Industrial Training. Industry training is usually collected during the semester break at the end of the third year student (semester 4 and above). The technical and non-technical outcomes of the course may be assessed and evaluated through this industrial training.

2) Background of the Company

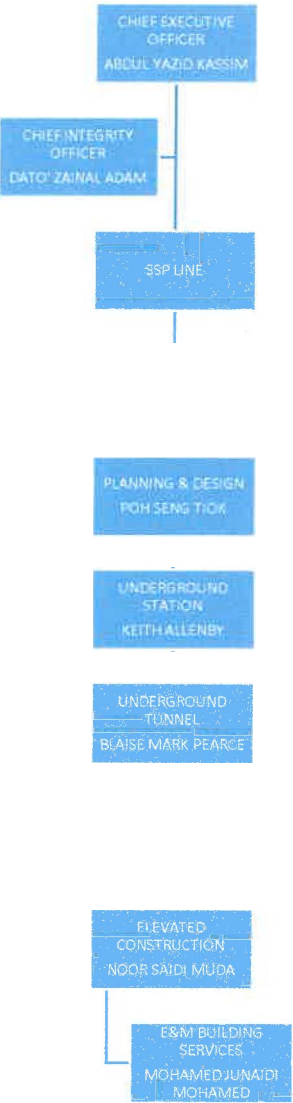
Mass Rapid Transit Corporation Sdn Bhd (MRT Corp) is fully owned by the Minister of Finance (Incorporated) and is a corporate body established under the Ministry of Finance (Incorporation) Act 1957. It was set up to be the developer and asset owner of the Mass Rapid Transit project in Kuala Lumpur, the capital of Malaysia, under the government's move to restructure the city's public transport system. The company was established on September 2011 and took over the ownership of the Klang Valley Mass Rapid Transit Project in October 2011 from Prasarana Malaysia Berhad.

Mass Rapid Transit Corporation Sdn Bhd Headquarters
Tingkat 5, Menara I&P 1,
46 Jalan Dungun, Bukit Damansara,
50490, Kuala Lumpur.

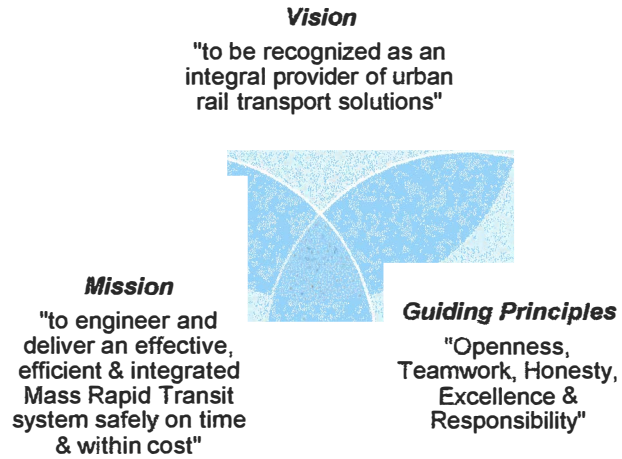
Mass Rapid Transit Corporation Sdn Bhd Office
21 Jalan Gelanggang, Bukit Damansara,
50490, Kuala Lumpur.

Monday to Friday
8.30am to 5:30pm

3) Organizational Structure (Only SSP LINE)



4) Nature of the Business



1. Project & Asset Owner
2. Submission of all key project documents, Railway scheme, LA Plan, EIA etc
3. Appoint PDP
4. Verify PDP target cost and milestones
5. Platform for payment distribution
6. Joint management of procurement process
7. Undertake property development potential

Products

Rationale

- MRT Sungai Buloh-Kajang Line (fully operational)
- MRT Sungai Buloh-Serdang-Putrajaya Line (under construction)
- MRT Circle Line (shelved)

5) Market Strength

a) **Largest infrastructure project in Malaysia**

- **130,000** Employment created during construction
- **RM 3 – 4 billion p.a.**

Direct GNI contribution from construction and operations from 2011 to 2020

b) **Appreciation of property value**

- **1.2 million** square ft of commercial and residential development
- **RM 0.3 billion p.a.** increase in gross development value

c) **Unleashing productivity of workers**

- **280 million** Annually person hours saved in worker productivity
- **RM 20 billion p.a.** in time savings

CHAPTER TWO: Technical report

1) Introduction

Industrial training has lot to serve to the students who are ongoing with last semester or have already pursued their education. During their training process, they get chance to work with the leading industries and get a chance to explore more knowledge.

Industrial training must be taken by the student during the ongoing study in order to get the diploma/degree. The training duration depends on the course of the diploma/degree you are pursuing.

Some of the benefits of having industrial training from professionals are

- Industrial training is provided to the students so that they are capable to implementing the subjects practically.
- It also helps the student in improving their knowledge.
- It improves the versatility of the student and helps them in boosting their career.
- It also boosts their confidence once they have the skills about the particular subject they have got training in.
- They help you implementing the theory into realistic area.
- Familiarize them with the environment of the companies.
- They help the students to increase communication level as well as develop leadership qualities.
- The students are provided training from the industry professionals who have assortment of knowledge in working in live-projects.

2) Exposure Level

The Roles of Development Building Control Department

- In-charge to safeguard the MRT Structures in the RPZ as per the Railways (Railway Protection Zone) Regulations 1998
- DBC of Mass Rapid Transit Corporation must ensure all engagement with Third parties / Stakeholder are as per Standard Operation Procedure and RPZ 1998 regulation requirements
- To support Agensi Pengangkutan Awam Darat (APAD) in enforcing MRT Railway Protection Zone by ensuring Third Party compliance to the requirements
- Monitor Instrumentation & Monitoring reports submitted by third parties for safety of MRT Structures

Railway Protection Zone

- Defined as a protection zone designated area by the Director General (APAD), in which the railway structure is located, whereby activities that may pose danger to the railway structure to restrictions
- Regulations may be cited as the Railways (Railway Protection Zone) Regulations 1998
- To ensure safe and reliable operation of MRT

RPZ Regulations 1998

- Agensi Pengangkutan Awam Darat (APAD) is the regulator stated in the RPZ Regulations 1998, in which their scope includes:-
 - a) As the Director General;

b) The Regulatory & Approving body;

- The RPZ Regulations 1998:-

- a) FIRST SCHEDULE (Regulation 3) – Railway Protection Zone
(Details Diagram)
- b) SECOND SCHEDULE (Regulation 3) – Safety Standards
(UG/Elevated/At Grade)
- c) THIRD SCHEDULE (Regulation 2) – Restricted Activities
(During & After Construction)

The diagram illustrates the layout of the Railway Protection Zone. It shows the First Reserve and Second Reserve areas, the Existing Ground Level, the Tunnel Axis Level, and the Rail Level. The diagram includes dimensions for the reserves (6m, 12m, 6m), the tunnel diameter (6m), and the depth of the reserves (DEPTH D_1 , DEPTH D_2) at 45-degree angles.

Bored Tunnel

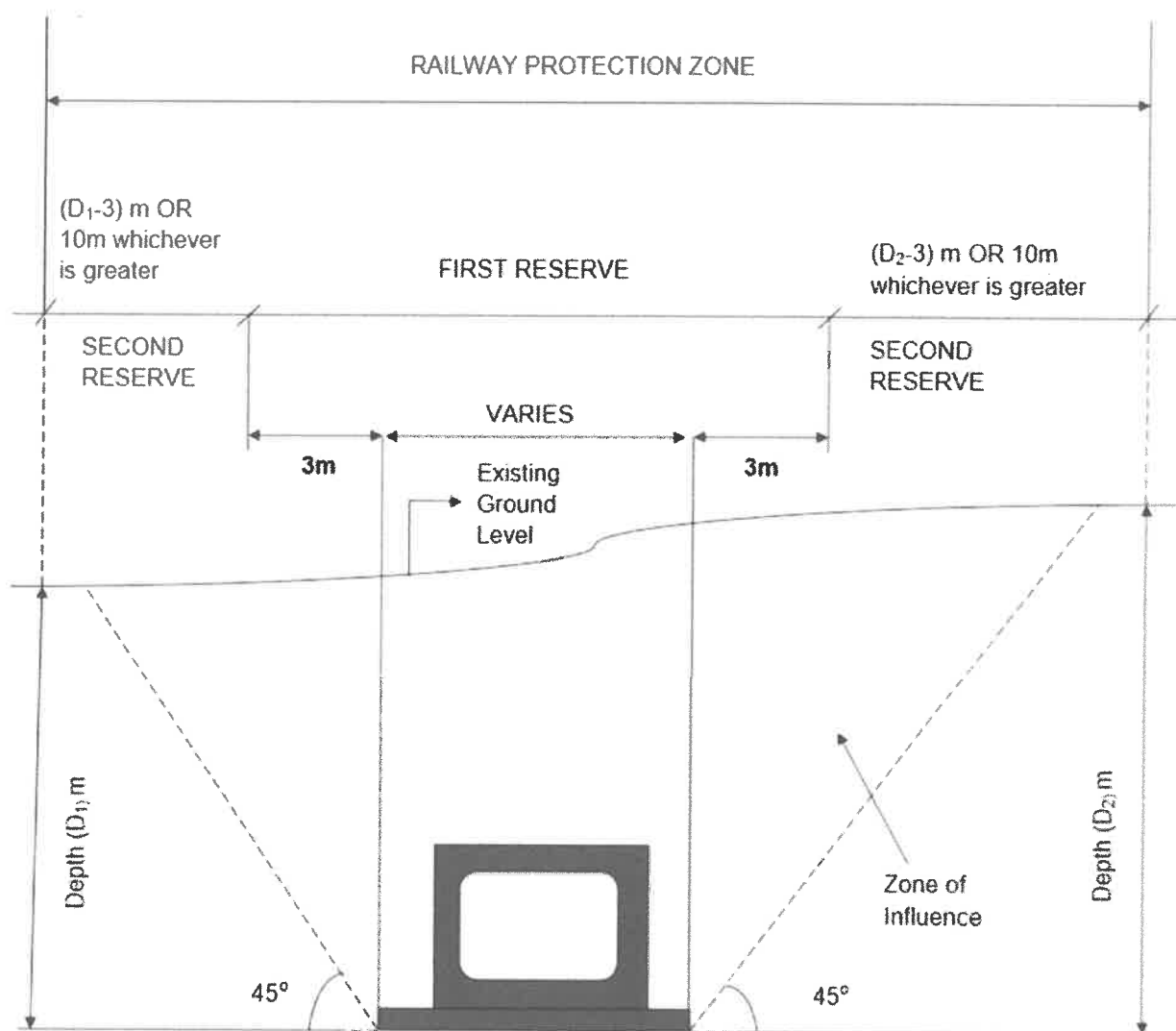
First Reserve

- a) No sheet piles, piles, foundation, boreholes or wells shall be driven within this zone
- b) No excavation greater in depth 3m & no dredging greater than 1.5m shall be undertaken in the river where the tunnel alignment is under the river
- c) No blasting shall be permitted
- d) No horizontal tie-backs and ground anchors shall encroach into the First Reserve

Second Reserve

- a) The clear distance between the outside of the pile and the outside of the underground is greater than 3m or 5 pile diameters whichever is greater
- b) Piles are to be debonded within the Zone of Influence
- c) Piles shall generally be constructed by auger or reverse circulation drilling techniques
- d) Prohibition of using vibratory method for sheet piling
- e) SI boreholes generally allowed but subject to verification of exact location
- f) No blasting shall be permitted

FIRST SCHEDULE: UNDERGROUND STATION



Underground station

First Reserve

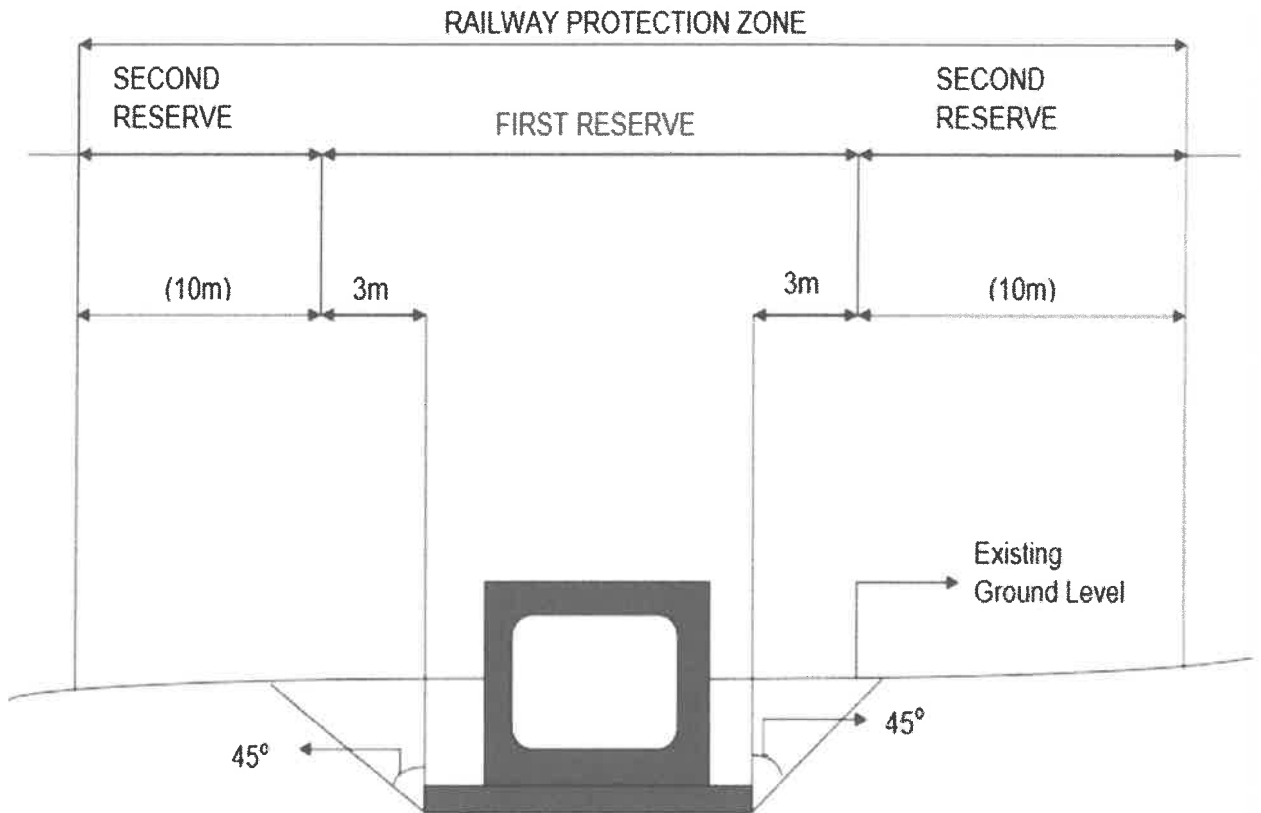
- a) No sheet piles, piles, foundation, boreholes or wells shall be driven within this zone
- b) No excavation greater in depth 3m & no dredging greater than 1.5m shall be undertaken in the river where the tunnel alignment is under the river
- c) No blasting shall be permitted
- d) No horizontal tie-backs and ground anchors shall encroach into the First Reserve

Second Reserve

- a) The clear distance between the outside of the pile and the outside of the underground is greater than 3m or 5 pile diameters whichever is greater
- b) Piles are to be debonded within the Zone of Influence
- c) Piles shall generally be constructed by auger or reverse circulation drilling techniques
- d) Prohibition of using vibratory method for sheet piling
- e) SI boreholes generally allowed but subject to verification of exact location
- f) No blasting shall be permitted

FIRST SCHEDULE: TRANSITION STRUCTURE

Drawing C: Transition Structures



Transition Structure

First Reserve

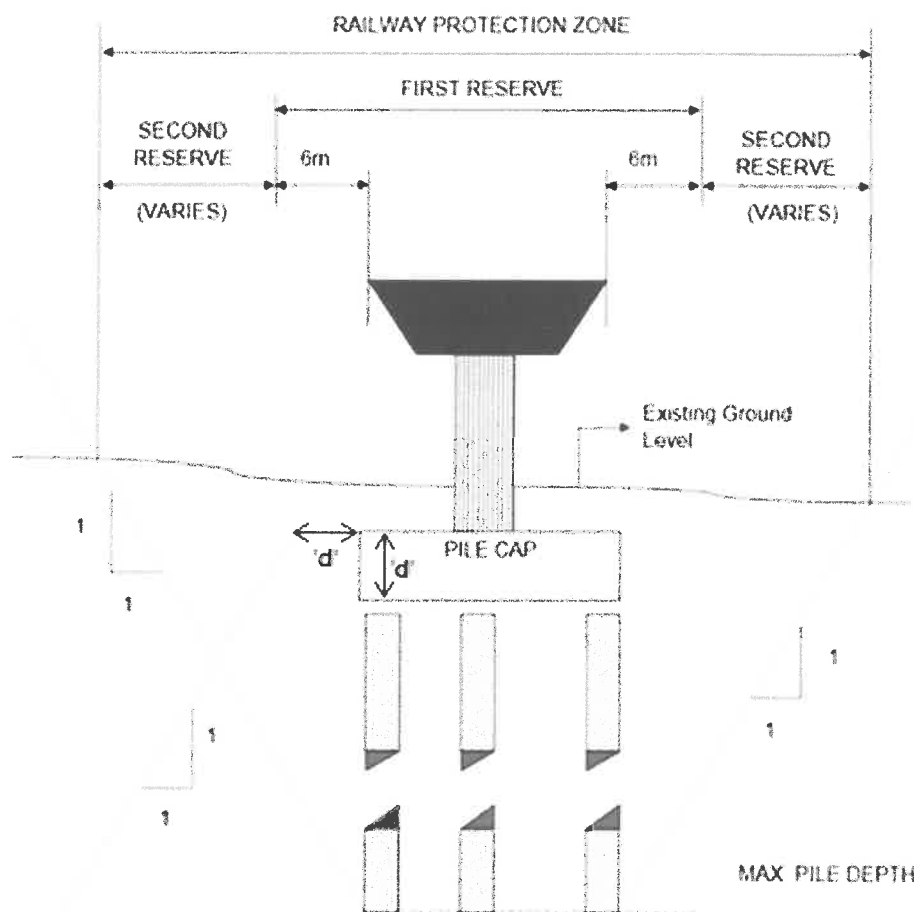
- a) No sheet piles, piles, foundation, boreholes or wells shall be driven within this zone
- b) No excavation greater in depth 3m & no dredging greater than 1.5m shall be undertaken in the river where the tunnel alignment is under the river
- c) No blasting shall be permitted
- d) No horizontal tie-backs and ground anchors shall encroach into the First Reserve

Second Reserve

- a) The clear distance between the outside of the pile and the outside of the underground is greater than 3m or 5 pile diameters whichever is greater
- b) Piles are to be debonded within the Zone of Influence
- c) Piles shall generally be constructed by auger or reverse circulation drilling techniques
- d) Prohibition of using vibratory method for sheet piling
- e) SI boreholes generally allowed but subject to verification of exact location
- f) No blasting shall be permitted

FIRST SCHEDULE: ABOVE GROUND STRUCTURE

Drawing D: Above-ground Structures



Above Ground Structure

Works in First Reserve (Part of the Second Schedule)

- a) Excavation above Pile caps is acceptable
- b) No building shall be constructed within 6m of any above ground structures measure from the outer edge of the above – ground structure unless conform to the below

Development in First Reserve (Part of the Second Schedule)

- a) Development shall not exceed one storey
- b) Development shall have no basement
- c) Development shall be of non-combustible construction with fire-resistance rating of not less than 2 hours

Restricted Activities within Mass Rapid Transit Railway Protection Zone

- New Developments
- Any works breaching by third parties in the reserves
- New Pedestrian Link way connecting to MRT Stations
- New Entrance Road/Underpass connecting to New developments
- Utilities upgrading and maintenance works
- Excavation, earthwork & backfilling
- Storage of material
- Use of crane, drilling machine, pile rig, excavator or any heavy equipment
- Landscape works & trees

PROCESS FLOW FOR WORKS WITHIN RPZ

1. Obtain No Objection from Railway Asset Owner;
2. Obtain Approval from Agensi Pengangkutan Awam Darat (APAD);
3. Obtain Permits from Local Authority;
4. Commencement of Works;



EXAMPLE OF INCIDENTS



Chemicals disposed in MRT's drainage by third party

EXAMPLE OF INCIDENTS



Nearest Construction site's hoarding covered MRT's fencing

PROBLEMS ENCOUNTERED

- **Magnitude of Project – SBK Line : RM23 Billion
SSP Line : RM32 Billion (Budget)**
- **Land Acquisitions**
- **Stakeholder Relations**
- **PDP Concept**
- **Safety Standard**
- **Shortage of Talent**
- **War of Talent – Regional Competition**

TECHNICAL COMPLEXITIES

- **SBK Line**

- a) 9.5 km UGT
- b) 7 UG Stations
- c) 8 Viaduct Packages
- d) 8 Elevated Stations Packages
- e) 2 Depot Packages
- f) 6 MSPR Packages
- g) 13 E&M System Packages

- **SSP Line**

- a) 13.5 km UGT
- b) 11 UG Stations
- c) 28 Civil & Infra (10 Viaduct Packages, 25 Stations)
- d) 16 MSPRs
- e) 2 Depot Packages
- f) 7 E&M System Packages

CHAPTER THREE: Training Attended (weekly summary based on logbook)

WEEK ONE

- Arrive at Mass Rapid Transit Corporation Sdn Bhd for Industrial Training Report Duty
- General Overview briefing about MRT Corp by Human Resource
- Understand the Rules and Regulations
- Understand the Vision, Mission and Principles

Vision (“to be recognized as an integral provider of urban rail transport solutions”)

Mission (“to engineer and deliver and on effective, efficient & integrated Mass Rapid Transit System Safety on time and within cost”)

Principles (“Openness, Teamwork, Honesty, Excellence & Responsibility”)

- Understand Railways (Railway Protection Zone) Regulations 1998
- Safety considerations (possible risks, measures and safety control)
- Meeting regarding Development 2 Block Service Apartment 39 storey with other companies
- Write letter to Tropicana Indah Sdn Bhd regarding Completed Road and Drainage Works within MRT RPZ near the MRT Surian station
- Fill up “Request Order Form” to client (Eco World Development Management (BBCC) Sdn Bhd for;
 - Application for Construction Secant Pile, Temporary Soldier Pile and U-Trough Wall within Second Reserve of MRT Line 1 at Jalan Galloway
 - Submission of Road Surfacing Works Documentation at Jalan Galloway
- Site Inspection at MRT Line 1 (SBK Line) Sungai Buloh – Kajang
 - a) To check any illegal activities around 1st and 2nd reserve
 - b) To check if the works are according to what proposed
- Site Inspection at MRT Line 1 (SSP Line) Sungai Buloh – Serdang – Putrajaya
- Meeting with supervisor and briefing about Railway Protection Zone

- a) First Reserve
- b) Second Reserve
- Understand **FORMAL LAND ACQUISITION PROCESS BASED ON THE LAND ACQUISITION ACT 1960**
- Understand Above Ground Structure Diagram
- Understand Alert Level, Action Level, Alarm Level

WEEK TWO

- Understand SECOND SCHEDULE (SAFETY STANDARDS)
- Understand THIRD SCHEDULE (RESTRICTED ACTIVITIES)
- Get to know the pathways alignment of SBK Line for each station
- Get to know the pathways alignment of SSP Line for each station
- Determine how many entrances for each station
- Site Inspection SBK-LINE (Southern & SBK Underground) From Semantan to Kajang
 - a) To check any illegal activities around 1st and 2nd reserve
 - b) To check if the works are according to as what proposed
- Site Inspection SSP-LINE (From Serdang Raya North to Putrajaya)

WEEK THREE

- Understand the role of Development Building Control
 - a) To safeguard Mass Rapid Transit Structures
 - b) To support Agensi Pengangkutan Awam Darat in enforcing MRT RPZ by ensuring Third Party compliance to the requirements outlined in Railways Regulations 1998
- In the process of abiding Railway Protection Zone 1998
 - Coordinating and Reviewing the design and document are vital as **THIRD PARTY** is required to ensure their proposed works will not affect the integrity of Mass Rapid Transit Structures and ultimately the safety of passengers
- Site Inspection SBK-Line (Northern)
 - a) To check any illegal activities around 1st and 2nd reserve
 - b) To check if the works are according to as what proposed

WEEK FOUR

- Understand Process Flow for Works Within Railway Protection Zone:
 1. Obtain No Objection from Railway Asset Owner
 2. Obtain Approval from Agensi Pengangkutan Awam Darat
 3. Obtain DO / IP / Permits from Local Authority
 4. Commencement of Works
- Site Inspection SBK-Line (SBK-Underground) From Semantan to Kajang
 - a) To check any illegal activities around 1st and 2nd reserve
 - b) To check if the works are according to as what proposed
- Site Inspection SSP-Line (Southern) From Serdang Raya North to Putrajaya
- Works within Railway Protection Zone (RPZ)
 - Typical submission / document required by Railway Asset Owner
 - a) Drawings of Proposed development within RPZ
 - b) Geotechnical Report
 - c) Impact of Assessment Report
 - d) Instrumentation and Monitoring Proposal plans
 - e) Other documents deemed necessary by Railway Asset Owner
- Typical submission / document required by APAD:
 - a) No Objection Letter from Railway Asset Owner
 - b) Indemnity Letter to the Government of Malaysia
 - c) ICE Report
 - d) Other documents based on APAD submission Guidelines for Works Within RPZ
- Arrange and Organize Instrumentation & Monitoring Report by June, July and August
- Prepare Monthly Report
- Fill up previous Industrial Training Logbook's activities
- Print Evaluation Form for Faculty Supervisor's visit

- Obtain Engagement Stages for SBK Line from every engineer in Development Building Control Department
- Tick the boxes with finished documents

WEEK FIVE

- Public Holiday (Eid Al-Adha)
- Do Site Inspection report Line 1 (SBK LINE) Sungai Buloh – Kajang
- Do Site Inspection report Line 2 (SSP LINE) Sungai Buloh – Serdang – Putrajaya Sentral
- Filing documents
- Official visit by the Faculty Supervisor (Ts. Zaizatul Zafflina Mohd Zaki) lecturer from UiTM Shah Alam
- Faculty Supervisor will meet the organization supervisor and student
- Faculty Supervisor will discuss with the field supervisor regarding the overall performance of the trainee
- Faculty Supervisor and Organization supervisor will be given evaluation forms
- Filing documents

WEEK SIX

- Rewrite Horizontal Directional Drilling (HDD) documents in Microsoft Word
 - Method of statement
 - Steps
- Method of statement for Underground Cabling Networks
 1. General Cable Route
 2. Supervision of works
 3. Construction of trenches
 4. Breaking of surface
 5. Excavated materials
 6. Park and Grassed area
 7. Trial Holes
 8. Joint Bags
 9. Construction
 10. Pipe Ducts
 11. Backfilling and Reinstatement
 12. Restoration of surface
 13. Laying Cable
- Rewrite Pipe Jacking (PJ) documents in Microsoft Word
 1. Introduction
 2. Site Preparation, Logistic and Survey
 3. Jacking Pit
 4. Receiving Pit
 5. Pipe Jacking Material
 6. Pipe Jacking Equipment
 7. Pipe Jacking Procedure
 8. Settlement Monitoring
 9. Personnel and Workmanship
 10. Safety, Health and Environment

- Rewrite Pipe Laying documents in Microsoft Word
 1. Introduction
 2. Site Preparation, Logistic and Survey
 3. Pipe delivery, Pipe Storage and Material handling
 4. Pipe Laying Works
 5. Thrust Block and Anchor Block
 6. Wash out chambers
 7. Laying of washout pipe works
 8. Pressure and Leakage Test
 9. Sterilizing and Flushing
 10. List of Material

- Rewrite TNB Cochrane documents in Microsoft Word
 1. Safety
 2. Site Preparation
 3. Construction of Trenches
 4. Removal of top surface
 5. Trenching and removal of soil
 6. Pipes and Ducts for cable laying
 7. Cable Laying
 8. Preparation Before Laying
 9. Fitting of Cable Stocking
 10. Attachment of Wire Rope
 11. Methods of cable pulling
 12. Cable Protection Covers
 13. Cable Jointing
 14. Safety in joint pit

WEEK SEVEN

- Prepare Railway Protection Zone 1998 Regulations Deck for upcoming presentation
- Site Inspection SBK-LINE (SBK-Underground)
 - To check any illegal activities around 1st and 2nd reserve
 - To check if the works are according to what proposed
- Site Inspection SSP-LINE (Southern)
- Railway Protection Zone 1998 Presentation
 - Time = Friday 30 Aug 2019 8:30 am – 10 am
 - Venue = Pasir Mas Meeting Room, Wisma MRT Corp

WEEK EIGHT

- Site Inspection SBK-LINE (Northern)
- Site Inspection SSP-LINE (SSP-Underground)
- Do Site Inspection report Line 1 (SBK LINE) Sungai Buloh – Kajang
- Do Site Inspection report Line 2 (SSP LINE) Sungai Buloh – Serdang – Putrajaya Sentral
- Filing documents
- Meet HR staff to give back company's belongings such as laptop and access card

CHAPTER FOUR: Conclusion

Introduction

Every engineering organization must have some departments performing support functions to support the engineering main functions. From the overall organization point of view the support functions are essential for the organizational effectiveness. In other words, the support functions compliment the engineering main functions and thus enable the organization to attain its goals. The number and size of departments performing support functions depend on the size and type of organization. In some small organizations, for example, the support functions may be performed under management. In other organizations one department might assume the responsibility of performing more than one function.

In the consulting engineering organisations the support functions may include: accounting, legal, marketing, personnel and recruiting, financing, purchasing, and computer applications. The support functions can be directly and/or indirectly related to engineering projects.

Lessons Learned

This chapter is devoted to the two related topics of internship, namely, the experience in the company's non-academic activities and the knowledge of the industry practices. Each section starts with a discussion that describes the importance and relevance of the topic to engineering organizations in general. The first section focuses on the activities of the support functions as performed by personnel and departments in the company. The interrelations and interactions among support function departments and other departments in the company is also presented. The experience I gained in the company's technical and business activities was the outcome of my interactions with the department managers and personnel performing the support functions.

The second section deals with industry standards, ethical practices, and the company's interactions with the various environments. Since the company's major work is providing engineering services, I tried to familiarize myself with the pertinent regulations and standards governing the engineering profession. I also studied the different interactions between the company and the external environments and the effects these interactions have on the activities of the company. This section also discusses the ethical codes and considerations that govern the behavior of the engineers in the company as well as some of the activities of the company itself.

Knowledge Gained

Engineering organizations are individual entities that provide services or products to society. To be effective, every organization must properly interact with the surrounding environments in the course of pursuing its endeavor. The interactions are governed by certain regulations, standards, and procedures. The regulations, standards, and procedures are either externally imposed by regulating bodies formulated by the engineers in the different disciplines or by the organizations themselves.

The externally imposed regulations, standards, and procedures are basically governing laws intended to protect the lives, safety, and wellbeing of individuals in the society. The violations of such regulations can subject the violating organization to penalties. On the other hand, the rest of the regulations, standards, and procedures do not have the power of the law but are established to standardize and organize the practices of the various engineering disciplines. They are also formulated to help engineers and organizations provide professional services that are accepted by the industry.

The standards established by the technical, industrial, and professional societies either apply to the technical and industrial practices or the ethical practices. The ethical codes describe the moral values which the engineers, as individuals or organizations, should have as a minimum. They also help in shaping the behavior and unifying the ethical practices of the engineers.

Suitability of Organization

a) ATTRACT

- Manpower Planning
- Hire the Right Talent
- Global Recruitment
- Reverse Diaspora

b) DEVELOP

- Building Capable and Competent Talent
- Individual Development Plan
- Coaching Culture
- Teaming for Excellence
- Grooming Young Talent

c) RETAIN

- Reward Competitively
- Dynamic Reward Strategy
- Pay for Performance

Limitations and Recommendations

The main limitation of my internship is the inadequate time schedule for the completion of this program. The duration of my work was only 2 months (July 2019 – September 2019), the amount of period is not enough for a complete study.

Lack of availability of relevant information is a major problem. Another limitation of the internship is the lack of coordination from some of the concerned employees. Even though they have showed their passionate cooperation but they could not manage enough time to focus on me on a daily basis due to their busy schedules.

REFERENCES

- <https://www.mymrt.com.my/>
- [https://en.wikipedia.org/wiki/Mass_Rapid_Transit_\(Malaysia\)](https://en.wikipedia.org/wiki/Mass_Rapid_Transit_(Malaysia))
- <https://www.myrapid.com.my/traveling-with-us/how-to-travel-with-us/rapid-kl/mrt>
- <https://www.tunehotels.com/blog/mrt-in-malaysia/>

APPENDICES

WAN MUHAMMAD IZAT IMAN BIN WAN MUHAMAD IBRISAM

PERSONAL DETAILS

Identification No. : 971016-10-5651

Date of Birth : 16th October 1997

Place of Birth : Shah Alam, Selangor

Postal Address : No 48 Jalan Titian Seksyen U8/41 Bukit Jelutong 40150 Shah Alam Selangor

Mobile Phone No. : 0197150588

E-mail : WMuhdIzat@gmail.com

EDUCATIONAL BACKGROUND

Year / Period	Institution	Level
2016-12 – 2020-01	UiTM Pasir Gudang, Johor	Diploma in Civil Engineering

EXTRA-CURRICULAR ACTIVITIES

Year / Period	Programme / Activity	Location	Participation
2017	Video Competition	UiTM PG	1 st

	Academy Of Language Studies		
2017	Sustainable Floating City Competition	UiTM PG	ASSISTANT PROJECT MANAGER

WORKING EXPERIENCE

Year / Period	Organisation	Designation
2017	-	Part Time Event Crew

SKILLS

- Excellent communication, presentation, time-management, decision-making, organizational, detail-orientation and problem solving skills
- Ability to work in a fast-paced environment and maintain professionalism and confidentiality
- Able to read and understand technical manuals
- Basic knowledge of Engineering drawings
- Expertise in providing comprehensive office support in busy work environments

Bahasa Malaysia	★★★★★
English	★★★★☆

Languages:

Software:

C++ Programming Language	★★★★☆
AutoCAD	★★★★☆
Microsoft Applications (Word, Excel, Powerpoint, Outlook)	★★★★☆

REFERENCES

1. Name : Nur Muizzah Binti Nawi

Designation : Lecturer

Organisation : Fakulti Kejuruteraan Awam, UiTM

Cawangan Johor Kampus Pasir Gudang

Tel. No. : 017-6240627

Email : nmuizzah@uitm.edu.my

2. Name : Mohd. Firdaus Bin Mohd. Akhbar

Designation : Lecturer/Industrial Training Coordinator

Organisation : Fakulti Kejuruteraan Awam, UiTM

Cawangan Johor Kampus Pasir Gudang

Tel. No. : 013-2994660

Email : firdausakhbar@uitm.edu.my

Fakulti Kejuruteraan Awam
Faculty of Civil Engineering
Tel : 607-3818309 / 8339 / 8328
Fax: 607-3818141

UNIVERSITI TEKNOLOGI MARA
CAWANGAN JOHOR
Kampus Pasir Gudang, 81750 Masai, Johor.
Te: 607-3818000 Fax: 607-3818141



UITM.FKA.LI-05

Our Reference: 100-UITMKPG(FKA14/3/4)
Date:

To:
Industry Training Coordinator,
Faculty of Civil Engineering
Universiti Teknologi MARA
Cawangan Johor Kampus Pasir Gudang
Jalan Purnama 81750 Masai Johor

Dear Sir / Madam

INDUSTRIAL TRAINING REPORT DUTY VERIFICATION
SESSION 2

The above matter is referred.

Please be informed that the following students has reported for Industrial Training to our company / organization on 15 July 2019 (completed by the company/ organization) as stated.

STUDENT NAME	: WAN MUHAMMAD ISAT IMAN BIN WAN MUHAMMAD ISRIJAM
STUDENT NO.	: 2016580405
ID NO.	: 971016-10-5661
PROGRAMME	: DIPLOMA CIVIL ENGINEERING
SEMESTER	: 5
REPORT DATE	: 15th July 2019
INDUSTRIAL TRAINING ADDRESS	: NO 21, JALAN GELANGGANG BULIT PAMARJAYA 50490 KUALA LUMPUR

DURATION / PERIOD : 8 WEEKS

Thank you.

Yours sincerely,

Ir. MUHAMMAD ZULQARNAIN ISMAIL
CEng MStructE
Assistant General Manager
Development Building Control

.....
(Signature and Company /Organization Stamp)

CURRENT LOCATION INFORMATION FORM
(Borang Matlumat Penempatan Semasa)

A) STUDENT INFORMATION (Matlumat Pelajar)

Name (Nama) : WAN MUHAMMAD IZAT IMAN B WAN MUHAMAD : UiTM No. (No. UiTM) : 2016520405
Programme (program) : DIPLOMA IN CIVIL ENGINEERING : ID No. (No. k/p) : 971016-10-5651
Session (sesi) : 2018/2019 2 : Semester (Semester) : 5
Address (alamat) : NO 48 JALAN TITIAN SELATAN U2/41 BUKIT JELUTONG 40120 SHAH ALAM SELANGOR
Phone (Telefon) : - : Mobile No. (No. h/p) : 019-7150522
Email (emel) : wmuhammadizatz@gmail.com

B) ORGANIZATION INFORMATION (Matlumat organisasi)

Name (Nama) : MASJ RAPID TRANSIT CORPORATION SDN BHD
Address (alamat) : NO 21, JALAN GELANGWANG BUKIT DAMANJAYA 50440 KUALA LUMPUR

Contact Person (Pegawai yang boleh dihubungi) :

Designation (Jawatan) :

Phone (Telefon) : 03-20953030

Mobile No. (No. h/p) : 019-7150522

Fax No. (No. Fax) : 03-20952121

Email (emel) : zulqarnain.ismail@gmail.com

Signature (Tandatangan)

Date (tarikh)

* Kindly mail this form to the Faculty of Civil Engineering, UiTM Pasir Gudang via fax/post/email within a week to:

Industry Training Coordinator,
Faculty of Civil Engineering
Universiti Teknologi MARA
Cawangan Johor Kampus Pasir Gudang
Jalan Purnama 81750 Masai Johor

Office use:	Checked by:	Approved by:
-------------	-------------	--------------

(u / p: Mohamed Khatif Tawaf, fax to: 607-3818141 or email: mohdkhatif@johor.uitm.edu.my)

Fakulti Kejuruteraan Awam
Faculty of Civil Engineering
Tel : 607-3818309 / 8339 / 8328
Fax: 607-3818141

UNIVERSITI TEKNOLOGI MARA
CAWANGAN JOHOR
Kampus Pasir Gudang, 81750 Masai, Johor.
Te: 607- 3818000 Fax: 607- 3818141

UiTM.FKA.LI-04

Rujukan Kami : 100-UiTMKPG(FKA14/3/4)
Tarikh

Koordinator Latihan Industri
Fakulti Kejuruteraan Awam
UiTM Johor Kampus Pasir Gudang,
Jalan Purnama 81750 Masai Johor.
(u/p: MOHD FIRDAUS B. MOHD AKHBAR, firdausakhbar@gmail.com)
Fax: 07-3818141

PENGESAHAN PENERIMAAN PELAJAR EC110 UNTUK LATIHAN INDUSTRI TAHUN

Merujuk kepada surat/faks Tuan yang bertarikh adalah disahkan pihak kami *menerima / tidak menerima pelajar Tuan bernama Wan Muhamad Izat /man dan nombor pelajar untuk menjalani latihan industri mulai 8/7/2019 hingga 2/9/2019 (8 minggu) di organisasi /syarikat kami.

Butiran Latihan:

Tarikh melaporkan : 8/7/2019
Masa melaporkan : MASS RAPID TRANSIT CORPORATION SDN BHD (602384)
Alamat melaporkan / ditempatkan : Tingkat 5, Menara I&P I
46, Jalan Dungun, Bukit Damansara
50490 Kuala Lumpur, Malaysia
Tel: +603-2095 3030 Fax: +603-2095 2121

Kami juga bersedia untuk menyediakan kemudahan berikut**:

1. Penginapan
2. Pengangkutan
3. Makanan dan minuman
4. Elaun bulanan
5. Kemudahan lain (sila nyatakan jika ada):

Ada	Tiada
	✓
✓ RM 500	✓

Sekian, terima kasih.

Yang benar,

MUHAMMAD HAFIZ HEFFI
Executive
Strategic Human Resource
Mass Rapid Transit Corporation Sdn Bhd

MASS RAPID TRANSIT CORPORATION SDN BHD (602384)
Tingkat 5, Menara I&P I
46, Jalan Dungun, Bukit Damansara
50490 Kuala Lumpur, Malaysia
Tel: +603-2095 3030 Fax: +603-2095 2121

(NAMA DAN COP ORGANISASI/SYARIKAT)

Sila faks / emailkan kembali surat ini kepada Fakulti Kejuruteraan Awam, UiTM Pasir Gudang selewat-lewatnya 2 minggu dari tarikh surat permohonan ini.

* Potong mana tidak berkenaan.

**sila tandakan (✓) bagi yang berkaitan



Mass Rapid Transit Corporation Sdn Bhd (902884V)

Tingkat 5, Menara I&P 1,
46 Jalan Dungun, Bukit Damansara,
50490 Kuala Lumpur, Malaysia.

T +6 03 2095 3030
F +6 03 2095 2121
www.mymrt.com.my

MRTCORP/SHR-TAL/INT/L/2019/0108

13 May 2019

Wan Muhammad Izat Iman Bin Wan Muhammad Ibrisam
No. 48, Jalan Titian Seksyen,
U8/41 Bukit Jelutong,
40150 Shah Alam,
Selangor

Dear Wan Muhammad Izat

INTERNSHIP WITH MASS RAPID TRANSIT CORPORATION SDN.BHD.

We are pleased to offer you the opportunity for an Internship with Mass Rapid Transit Corporation Sdn. Bhd (MRT Corp.) with effect from 15th July 2019 to 8th September 2019. During this period, you will be attached to Development Building Control Department and reporting to Ir. Muhamad Zulqarnain bin Ismail, Deputy General Manager of Planning & Design (SSP) or his designate.

At the end of your Internship, you will be required to submit a comprehensive report to Strategic Human Resource Department and another copy to Development Building Control Department detailing the program you have gone through during the Internship.

You shall at all times be required to comply with all rules and regulations of MRT Corp. during your performance as an intern. We trust that you will benefit from your training programme at MRT Corp and urge you to undertake this opportunity to accelerate your learning to enhance your growth both in your studies and in your future career.





Mass Rapid Transit Corporation Sdn Bhd (902884V)

Tingkat 5, Menara I&P 1,
46 Jalan Dungun, Bukit Damansara,
50490 Kuala Lumpur, Malaysia.

T +6 03 2095 3030
F +6 03 2095 2121
www.mymrt.com.my

MRTCORP/SHR-TAL/INT/L/2019/0184

27 August 2019

Wan Muhammad Izat Iman Bin Wan Muhammad Ibrisan
No. 48, Jalan Titian Seksyen,
U8/41 Bukit Jelutong,
40150 Shah Alam,
Selangor.

Dear Wan Izat,

COMPLETION OF INTERNSHIP WITH MASS RAPID TRANSIT CORPORATION SDN.BHD.

We are pleased to inform that you have successfully completed your industrial training program with us starting from 15th July 2019 to 8th September 2019 in Development Building Control Department (SSP Line).

We trust that this internship will benefit you the most.

We wish you all the best in your future undertakings.

Yours sincerely,

MASS RAPID TRANSIT CORPORATION SDN BHD

RAFTAWATIE BINTI AZHARIE
Senior Manager
Strategic Human Resource