MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN

PHOTO

PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH

NO. KONTRAK : KPKT/BPEMB/UB/T/20/2020

JUSTIFICATION SUMMARY OF EXTENSION OF TIME NO.3

PREPARED BY MTR Engineering SDN BHD

(March 2023)

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

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APPENDIX

Appendix 1 – EVENT CHRONOLOGY

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

1.0 INTRODUCTION

MTR Engineering SDN BHD the nominated contractor for project PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH hereby officially submit our justification report for extension of time No.2 (two) application to the Ministry Of Housing and Local Government to obtain approval on getting extension of time to completed the project within reasonable period accordance with;

i) P.W.D Form 23 (Rev. 1/2010) Clause 43.0 Condition of Contract: DELAY AND EXTENSION OF TIME (Pages 28):

- "Upon it becoming reasonably apparent that the progress of the Works is delayed, the Contractor shall forthwith give written notice to the S.O as to the causes of delay and relevant information with supporting documents enabling the said officer to form an opinion as to the cause and calculation of the length of delay"

In that Clause also stated:

- "Then the S.O. may if he is of the opinion that the Extension of Time should be granted, so soon as he is able to estimate the length of the delay beyond the date or time aforesaid issue a Certificate of Delay and Extension of Time giving a fair reasonable extension of time for completion of the Works"

Apart from that, we also enclose all the relevant documents to support the arguments and justifications to enable the MINISTRY OF HOUSING AND LOCAL GOVERNMENT to evaluate wisely or Extension Of time application.

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

2.0 PROJECT INFORMATION

Project Title	PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH
Contract No	KPKT/BPEMB/UB/T/20/2020
Contract value	RM 8,699,999.85
Owner	Jabatan Bomba dan Penyelamat Malaysia (JBPM)
Client	**Timbalan Setiausaha Bahagian (PP1)** *Kementerian perumahan dan Kerajaan Tempatan* *Bahagian Pembangunan dan perlaksanaan Projek* *Cawangan Pengurusan Projek* *Aras 5-8,No 51, Persiaran perdana* *Presint 4, 62100 Putrajaya.*
Client's Represantative	**Ketua Penolong Pengarah Kanan** *Kementerian Perumahan dan Kerajaan Tempatan* *Pejabat Wilayah 6, Cawangan Perlaksanaan Projek,* *Tingkat 3, Blok C, KWSP* *88000 Kota Kinabalu, Sabah.*
Contractor	MTR ENGINEERING SDN BHD
Architect	ALASIM OMAR ARCHITECT
C&S Consultant	PERUNDING IDEAL
M&E Consultant	JURUTERA PERUNDING INTELEK SDN BHD
QS Consultant	JURUKUR BAHAN KONSULTANT (SABAH)
Contract Duration	**78 Weeks** (8 Feb 2021 – 8 Aug 2022)
Extension Of Time (EOT) No.1	21 October 2022
Extension Of Time (EOT) No.2	19 April 2023
Defect Liability Period (DLP)	24 Months
LAD Amount	RM 1348/Day

MTR ENGINEERING SDN. BHD.
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Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

3.0 APPLICATION BACKGROUND

This application was made by MTR Engineering Sdn Bhd as the nominated contractor for the project PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH. Purposed of this submission is to get the consideration and approval from MINISTRY OF HOUSING AND LOCAL GOVERNMENT.

This contract finish date is on 08 August 2021 and received Extension of Time to new finish date of 19 April 2023.

However, due to the uncertainty issue that have possibility delaying of completion physical work of the project. The contractor is intending to apply the Extension of Time where necessary applicable as mentioned on the P.W.D Form 203A (Rev. 1/2010) Clause 43.0 Delay and Extension of Time.

Therefore, we hereby to submit the application to Superintending officer for his concern and approval on the following clause.:

> 43 (f) by reason of the Contractor not having received in due time necessary instruction, drawings, levels or instructions in regard to the nomination of sub-contractors and/or supplier for which he shall have specifically applied in writing on date which having regard to the Date for Completion..."

MTR ENGINEERING SDN. BHD.
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1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

4.0 CHRONOLOGY SUMMARY

4.1 Issues/Problem on site

NO	ISSUES/EVENT	DESCRIPTION
1	Kelulusan Wang Peruntukan Sementara – Loose Furniture and Curtain	Kelulusan Wang Jaminan Sementara bagi perkara (Loose Furniture and Curtain) lewat di berikan pada 30 Januari 2023, melewatkan perlantikan pembekal dan penyediaan bahan pembinaan.
2	Kelulusan Wang Peruntukan Sementara – Signages and Room Signages	Kelulusan Wang Jaminan Sementara bagi perkara (Signage and room signages) lewat di berikan pada 30 Januari 2023, melewatkan perlantikan pembekal dan penyediaan bahan pembinaan.
3	Kelulusan Wang Peruntukan Sementara – Soft Landscapping	Kelulusan Wang Jaminan Sementara bagi perkara (Soft Landscapping) lewat di berikan pada 30 Januari 2023, melewatkan perlantikan pembekal serta kerja-kerja landscaping.

4.2 Executive Summary

February 2023

	SCHEDULE	ACTUAL	VARIANCE
Physical	97%	95%	-2%
Finance	96%	87%	-9%

MTR ENGINEERING SDN. BHD.
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E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

5.0 CONSTRUCTION DELAY ANALYSIS

5.1 KESAN KELEWATAN

This method compares the date and duration of the selected activity as planned against the date and duration of the actual activity and the effect of this difference is calculated as a delay on the activity:

	Task Name	Baseline Duration	Duration	Baseline Start	Baseline Finish	Start	Finish	Duration Variance
0	ANALISA KELEWATAN" PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH." Rev 3	549 days	614 days	Mon 08 Feb '21	Wed 19 Apr '23	Mon 08 Feb '21	Wed 19 Jul '23	65 days
1	Site Possesion	0 days	0 days	Mon 08 Feb '21	Mon 08 Feb '21	Mon 08 Feb '21	Mon 08 Feb '21	0 days
2	EOT	0 days	0 days	Tue 01 Mar '22	Tue 01 Mar '22	Tue 01 Mar '22	Tue 01 Mar '22	0 days
3	Analisa Kelewatan	51 days	138 days	Fri 15 Jul '22	Mon 26 Sep '2	Fri 15 Jul '22	Mon 30 Jan '23	87 days
4	Pekeliling 2.4 (Inisiatif Tambahan Kerajaan bagi Perlanjutan Masa 6 bulan)	51 days	51 days	Fri 15 Jul '22	Mon 26 Sep '22	Fri 15 Jul '22	Mon 26 Sep '22	0 days
5	Kelulusan Wang Peruntukan Sementara (Loose Furniture & Curtain)	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
6	Kelulusan Wang Peruntukan Sementara (Signage and room Signages)	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
7	Kelulusan Wang Peruntukan Sementara (Soft Landscapping)	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
8	Report Preliminary	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
11	Initial Compliance	20 days	20 days	Mon 08 Feb '21	Mon 08 Mar '21	Mon 08 Feb '21	Mon 08 Mar '21	0 days
22	Main Material On Site	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
26	Main Machinery Construction On-Site	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
29	Prelim Item	414 days	414 days	Mon 08 Feb '21	Fri 09 Sep '22	Mon 08 Feb '21	Fri 09 Sep '22	0 days
50	Site Preparation	18 days	18 days	Tue 09 Mar '21	Thu 01 Apr '21	Tue 09 Mar '21	Thu 01 Apr '21	0 days

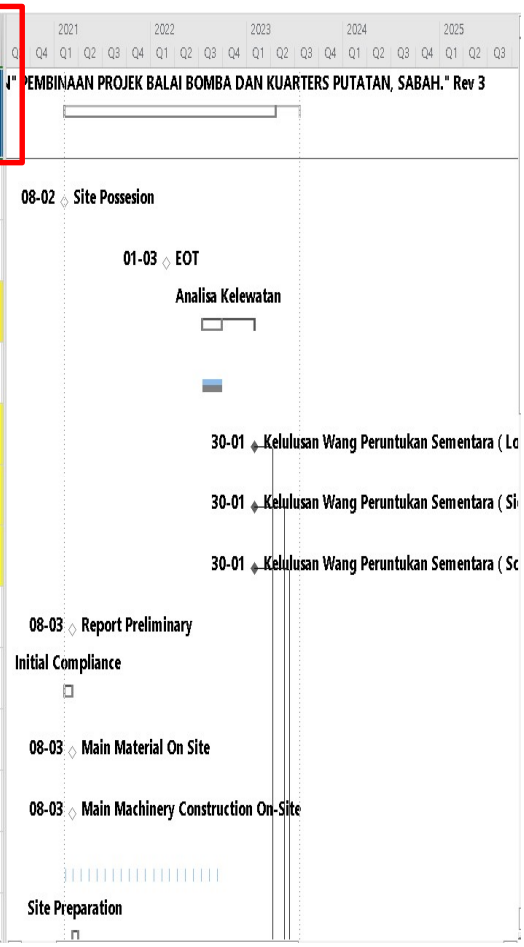


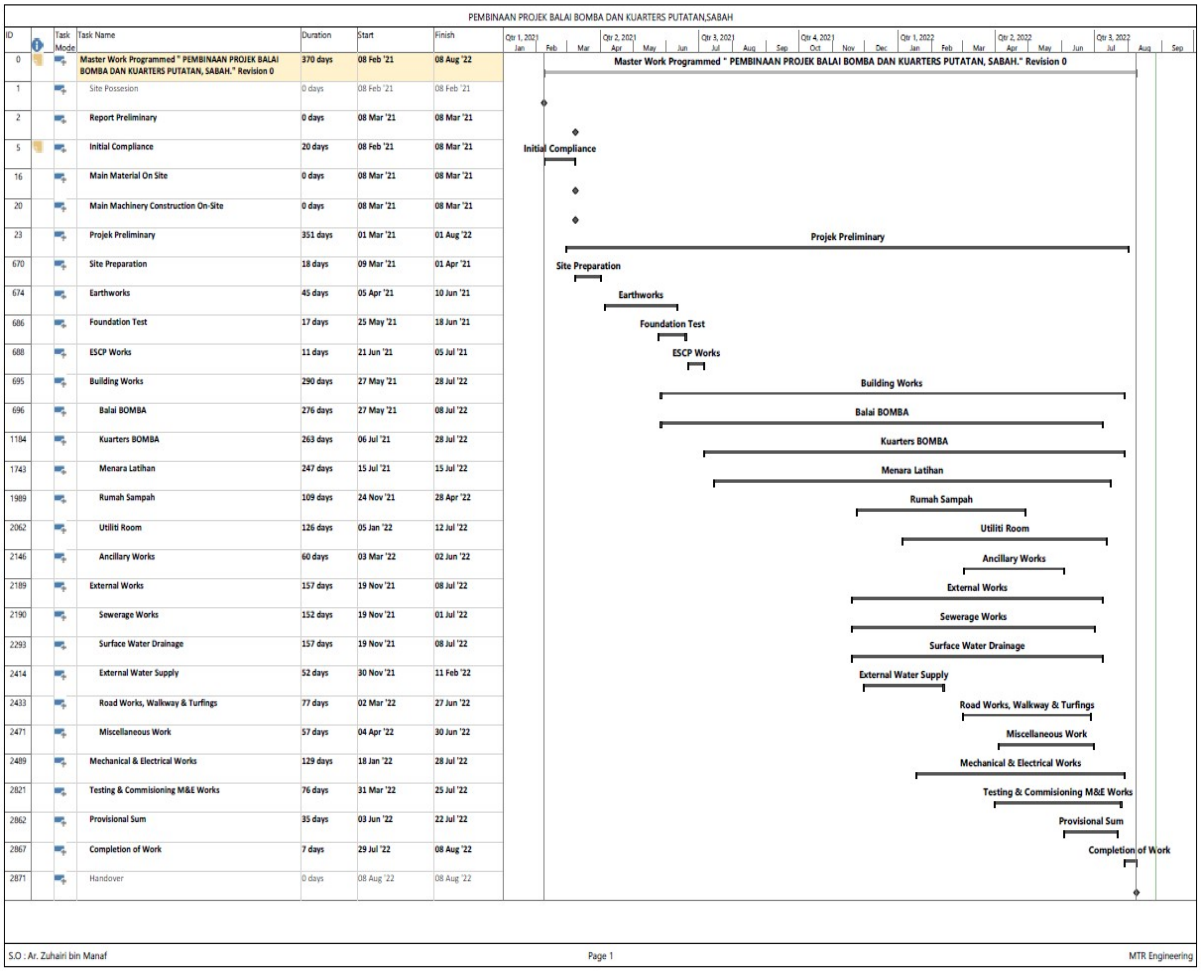
Photo 5.1: Delay Analysis

Based on this late affected activity calculated from the completion date, then the new completion date is on **17.07.2023** with an addition of **65 Days.**

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

6.0 WORK PROGRAM (CPM)

6.1 WORK PROGRAM (CRITICAL PATH METHOD – CPM) REV 0

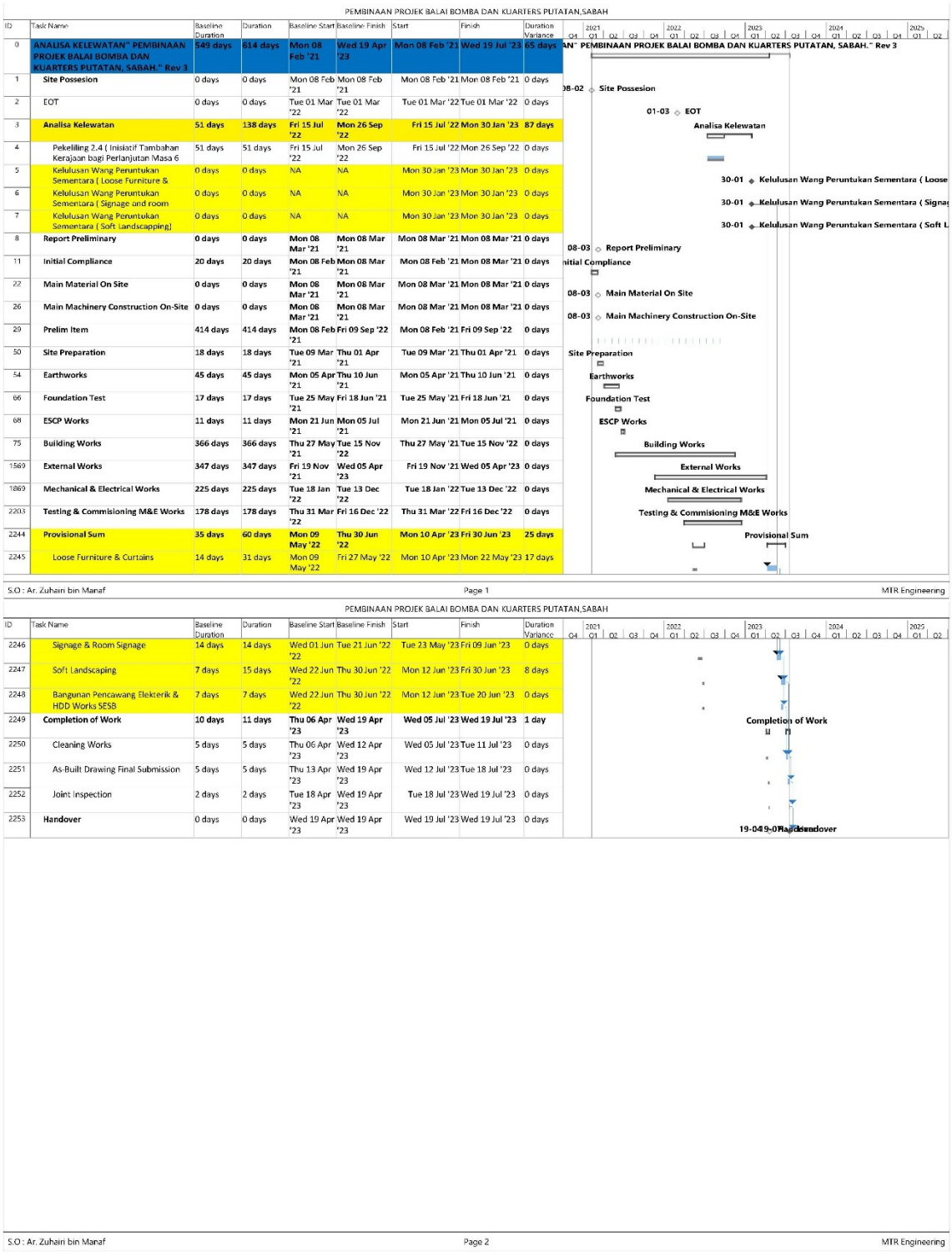


ID	Task Mode	Task Name	Duration	Start	Finish
0		Master Work Programmed " PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH." Revision 0	370 days	08 Feb '21	08 Aug '22
1		Site Possesion	0 days	08 Feb '21	08 Feb '21
2		Report Preliminary	0 days	08 Mar '21	08 Mar '21
5		Initial Compliance	20 days	08 Feb '21	08 Mar '21
16		Main Material On Site	0 days	08 Mar '21	08 Mar '21
20		Main Machinery Construction On-Site	0 days	08 Mar '21	08 Mar '21
23		Projek Preliminary	351 days	01 Mar '21	01 Aug '22
670		Site Preparation	18 days	09 Mar '21	01 Apr '21
674		Earthworks	45 days	05 Apr '21	10 Jun '21
686		Foundation Test	17 days	25 May '21	18 Jun '21
688		ESCP Works	11 days	21 Jun '21	05 Jul '21
695		Building Works	290 days	27 May '21	28 Jul '22
696		Balai BOMBA	276 days	27 May '21	08 Jul '22
1184		Kuarters BOMBA	263 days	06 Jul '21	28 Jul '22
1743		Menara Latihan	247 days	15 Jul '21	15 Jul '22
1989		Rumah Sampah	109 days	24 Nov '21	28 Apr '22
2062		Utiliti Room	126 days	05 Jan '22	12 Jul '22
2146		Ancillary Works	60 days	03 Mar '22	02 Jun '22
2189		External Works	157 days	19 Nov '21	08 Jul '22
2190		Sewerage Works	152 days	19 Nov '21	01 Jul '22
2293		Surface Water Drainage	157 days	19 Nov '21	08 Jul '22
2414		External Water Supply	52 days	30 Nov '21	11 Feb '22
2433		Road Works, Walkway & Turfings	77 days	02 Mar '22	27 Jun '22
2471		Miscellaneous Work	57 days	04 Apr '22	30 Jun '22
2489		Mechanical & Electrical Works	129 days	18 Jan '22	28 Jul '22
2821		Testing & Commisioning M&E Works	76 days	31 Mar '22	25 Jul '22
2862		Provisional Sum	35 days	03 Jun '22	22 Jul '22
2867		Completion of Work	7 days	29 Jul '22	08 Aug '22
2871		Handover	0 days	08 Aug '22	08 Aug '22

Photo 6.1 : CPM Rev.0

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

6.2 WORK PROGRAM (CRITICAL PATH METHOD – CPM) REV 03



PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN,SABAH

ID	Task Name	Baseline Duration	Duration	Baseline Start	Baseline Finish	Start	Finish	Duration Variance
0	ANALISA KELEWATAN" PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN, SABAH." Rev 3	549 days	614 days	Mon 08 Feb '21	Wed 19 Apr '23	Mon 08 Feb '21	Wed 19 Jul '23	65 days
1	Site Possesion	0 days	0 days	Mon 08 Feb '21	Mon 08 Feb '21	Mon 08 Feb '21	Mon 08 Feb '21	0 days
2	EOT	0 days	0 days	Tue 01 Mar '22	Tue 01 Mar '22	Tue 01 Mar '22	Tue 01 Mar '22	0 days
3	Analisa Kelewatan	51 days	138 days	Fri 15 Jul '22	Mon 26 Sep '22	Fri 15 Jul '22	Mon 30 Jan '23	87 days
4	Pekelilling 2.4 (Inisiatif Tambahan Kerajaan bagi Perlanjutan Masa 6	51 days	51 days	Fri 15 Jul '22	Mon 26 Sep '22	Fri 15 Jul '22	Mon 26 Sep '22	0 days
5	Kelulusan Wang Peruntukan Sementara (Loose Furniture &	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
6	Kelulusan Wang Peruntukan Sementara (Signage and room	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
7	Kelulusan Wang Peruntukan Sementara (Soft Landscapping)	0 days	0 days	NA	NA	Mon 30 Jan '23	Mon 30 Jan '23	0 days
8	Report Preliminary	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
11	Initial Compliance	20 days	20 days	Mon 08 Feb '21	Mon 08 Mar '21	Mon 08 Feb '21	Mon 08 Mar '21	0 days
22	Main Material On Site	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
26	Main Machinery Construction On-Site	0 days	0 days	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	Mon 08 Mar '21	0 days
29	Prelim Item	414 days	414 days	Mon 08 Feb '21	Fri 09 Sep '22	Mon 08 Feb '21	Fri 09 Sep '22	0 days
50	Site Preparation	18 days	18 days	Tue 09 Mar '21	Thu 01 Apr '21	Tue 09 Mar '21	Thu 01 Apr '21	0 days
54	Earthworks	45 days	45 days	Mon 05 Apr '21	Thu 10 Jun '21	Mon 05 Apr '21	Thu 10 Jun '21	0 days
66	Foundation Test	17 days	17 days	Tue 25 May '21	Fri 18 Jun '21	Tue 25 May '21	Fri 18 Jun '21	0 days
68	ESCP Works	11 days	11 days	Mon 21 Jun '21	Mon 05 Jul '21	Mon 21 Jun '21	Mon 05 Jul '21	0 days
75	Building Works	366 days	366 days	Thu 27 May '21	Tue 15 Nov '22	Thu 27 May '21	Tue 15 Nov '22	0 days
1569	External Works	347 days	347 days	Fri 19 Nov '21	Wed 05 Apr '23	Fri 19 Nov '21	Wed 05 Apr '23	0 days
1869	Mechanical & Electrical Works	225 days	225 days	Tue 18 Jan '22	Tue 13 Dec '22	Tue 18 Jan '22	Tue 13 Dec '22	0 days
2203	Testing & Commisioning M&E Works	178 days	178 days	Thu 31 Mar '22	Fri 16 Dec '22	Thu 31 Mar '22	Fri 16 Dec '22	0 days
2244	Provisional Sum	35 days	60 days	Mon 09 May '22	Thu 30 Jun '22	Mon 10 Apr '23	Fri 30 Jun '23	25 days
2245	Loose Furniture & Curtains	14 days	31 days	Mon 09 May '22	Fri 27 May '22	Mon 10 Apr '23	Mon 22 May '23	17 days

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PEMBINAAN PROJEK BALAI BOMBA DAN KUARTERS PUTATAN,SABAH

ID	Task Name	Baseline Duration	Duration	Baseline Start	Baseline Finish	Start	Finish	Duration Variance
2246	Signage & Room Signage	14 days	14 days	Wed 01 Jun '22	Tue 21 Jun '22	Tue 23 May '23	Fri 09 Jun '23	0 days
2247	Soft Landscaping	7 days	15 days	Wed 22 Jun '22	Thu 30 Jun '22	Mon 12 Jun '23	Fri 30 Jun '23	8 days
2248	Bangunan Pencawang Elekterik & HDD Works SESB	7 days	7 days	Wed 22 Jun '22	Thu 30 Jun '22	Mon 12 Jun '23	Tue 20 Jun '23	0 days
2249	Completion of Work	10 days	11 days	Thu 06 Apr '23	Wed 19 Apr '23	Wed 05 Jul '23	Wed 19 Jul '23	1 day
2250	Cleaning Works	5 days	5 days	Thu 06 Apr '23	Wed 12 Apr '23	Wed 05 Jul '23	Tue 11 Jul '23	0 days
2251	As-Built Drawing Final Submission	5 days	5 days	Thu 13 Apr '23	Wed 19 Apr '23	Wed 12 Jul '23	Tue 18 Jul '23	0 days
2252	Joint Inspection	2 days	2 days	Tue 18 Apr '23	Wed 19 Apr '23	Tue 18 Jul '23	Wed 19 Jul '23	0 days
2253	Handover	0 days	0 days	Wed 19 Apr '23	Wed 19 Apr '23	Wed 19 Jul '23	Wed 19 Jul '23	0 days

S.O : Ar. Zuhairi bin Manaf Page 2 MTR Engineering

Photo 6.2 : CPM Rev.3

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

7.0 PROPOSAL EXTENTION OF TIME DURATION

Task Affected	BUILDING WORKS- Provisional Sum
Effect from Provisional Sum Works Issue	Refer *Chapter 4.0 – Chronology*
Application under Clause	43 (f)
Critical Path	Provisional Works Completion Works
Late Category	Critical
Delay	65 Days
Extension of time Duration to apply	65 Days
Finish Date	19 July 2023

Having considered the above, we would like to request an extension of time based upon PWD Form 203 (Rev. 1/2010) Clause 43.0, Condition of Contract: Delay and Extension of Time, for the period of 151 days.

MTR ENGINEERING SDN. BHD.
(CO.NO:32999-W)
1st Floor, Block C, Lot 23A, Bundusan Commercial Centre,
Jalan Bundusan, 88300 Kota Kinabalu, Sabah.
E-mail:- mtrengineeringsdnbhd@gmail.com
TEL: 088-723935 FAX: 088-723934

APPENDIX 1

KELULUSAN WANG PERUNTUKAN SEMENTARA