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SECTION 1: DOCUMENT INFORMATION

Information	
Document Name:	Claim for Extension of Time for Completion and Compensable Delay
Document ID	EOT#01
Issuance Date	25th February 2021

Document History:

S.N	Document ID	Revision	Reference
1	EOT#001	Rev.00	-Current Submission-

SECTION 2: EXECUTIVE SUMMARY

A Contract has been signed, on the 08-Aug-20, between the M/S Proper Investment LLC, herein after referred as "the Client" and M/s Alpha Build Construction referred as "the Contractor" to execute the project "Elite Residence".

For ease of reference, Section 2 of this submission initially describes the Project, the Contract, and the parties, and the history of the Clause 12 Programme is then exhibited in Section C.

This Statement of Claim has been prepared by the Contractor to submit to the Client demonstrating the Contractor's entitlements for Extension of Time for Project Completion.

This document further demonstrates in subsequent Sections the Contractor's extension of time entitlements in respect of events that have delayed and disrupted the regular progress of the Contract Works beyond the Contractor's control.

The events that have delayed and/or disrupted the Contractor's progress of the Works from the commencement of the Project, 10th August 2020 ('Commencement Date') are summarized here below and can be attributed to the following:

1. Delay Event# 01: Change in reinforcement design of retaining walls
2. Delay Event# 02: Change in specifications of ceramic tiles

All of the above events have put strain on the Contractor's progress of Works and delayed the planned project completion date. Such delays are factually justified and analyzed from a contractual perspective. Their impact on the time for project completion is demonstrated in this document based on the "**Time Impact Analysis**" method. This method involves the insertion or addition of activities indicating delays to Baseline Programme, representing progress with respect to the delay event occurred, in order to determine the impact of these delay activities.

In view of the delays and disruptions, the Contractor has exhibited herein and requests the Client, under the terms and conditions of the Contract to extend the Time for Completion for **47 days (Forty-Seven calendar days)**, the Completion Date being revised from 16-Jun-2022 to **02-Aug-2022**

This is an interim submission up to **25-Feb-21**, and further particulars may be provided in future submissions.

SECTION 3: INTRODUCTION AND HISTORY OF PROGRAMME

3.1. INTRODUCTION

a. The Project

The project name is "Elite Residence" (Proposed Residential & Commercial Building" and is located on Plot No. 653258 at Business Bay, Dubai, UAE. Elite Residence is a residential building incorporating 23 floors, on a combined podium providing parking and retail shops. The Project is located within the plot no: 653258 at Business Bay, Dubai, near Burj Khalifa

b. Project Parties

CLIENT: Proper Investment LLC

CONSULTANT: TrueArch Design Consultants

CONTRACTOR: Alpha Build Construction

c. Contract

The Contract was signed on 08th August 2020 for the carrying out and completion of Elite Residence, Main Contract works. The Commencement date of the contract was 10 August 2020. The Contract is comprised of the following documents:

Part 1:
Form of Agreement
Letter of Acceptance
Conditions of Contract
Conditions of Subcontract
Instruction to Tenderers
Part 2:
Bill of Quantities General Summary
Bill of Quantities
Part 3:
Drawings
Part 4:
Specifications

d. Contractual Dates (Key Milestones)

The Project contractually has one completion milestone which is the project completion date.

The other Milestones are control milestones as a part of Baseline Program as follows:

Activity ID	Activity Name	Early Finish Date	Late Finish Date
GRKDS1020	Foundation Completion	08-Dec-20	14-Dec-20
GRKDS1040	Super Structure Completion	28-Dec-20	06-Feb-20

Project Completion Date: 16-Jun-2022

3.2. HISTORY OF THE PROGRAMME

Clause 12 of the Conditions of the Contract requires the Contractor to submit a Work Programme for the approval of the Consultant. The requirements of this Programme are set out under Section 9 *"Planning, monitoring and administration"*

The Baseline Programme:

- The Contractor Submitted the first version of the Contractor's Baseline Programme of Work, for approval to the Consultant via Letter CON-LEN-03 dated 18-Aug-20
- The Consultant rejected the Contractor's Baseline Program of Work via Letter ref: CST-PLN-02 dated 23-Aug-20
- The Contractor again resubmitted the Baseline Program of Work (Rev.01) via Letter ref: CON-LEN-05 dated 26-Aug-20 after incorporating the comments provided by the Consultant.
- The Consultant rejected the Contractor's Program of Work (Rev 01) via Letter ref: CST-PLN-03 dated 01-Sep-20. Moreover, the Consultant requested the contractor to submit resources and costs loaded schedule.
- The Contractor again resubmitted the Baseline Programme of Work (Rev 02) via Letter ref: CON-LEN-07 dated 05-Sep-20.
- The Engineer rejected the Baseline Programme of Work (Rev 02) via Letter ref: CST-PLN-06 dated 08-Sep-20.

- The Contractor again resubmitted the Baseline Programme of Work (Rev 03 – Cost and Resource Loaded) via Letter ref: CON-LEN-07 dated 11-Sep-20.
- The Consultant approved Baseline Programme of Work (Rev 03) via Letter ref: CST-PLN-08 dated 15-Sep-20.
- The Approved Baseline Program of Work (Rev. 03) was used for progress update and monitoring.

Accordingly, Revision 3 of the Contractor's Program of Work constitutes as "Approved Baseline Programme" under Clause 12 of Conditions of the Contract, hereinafter referred "**Programme**".

SECTION 4: EVENTS HISTORICAL

The project encountered total of 2 Potential Delay Events which are the culpability of Client / Consultant as listed below:

Event No	Event Description
Delay Event 1	Change in reinforcement design of retaining walls
Delay Event 2	Change in specifications of ceramic tiles

Delay Event# 01: Change in reinforcement design of retaining walls

The Contractor was unable to start the retaining walls rebar in accordance with Clause 12 due to a change in reinforcement design and rebar arrangement. The causation of this event was a change in reinforcement arrangement of retaining walls which required the Contractor to resubmit all associated shop drawings and consequently, delayed the start date of the steel rebar activity in accordance with the Clause 12 Programme.

i. Chronology:

The below list demonstrates the series of events that occurred as of the impact has first arisen:

- Consultant highlighted doubts regarding reinforcement details of retaining walls during Progress Meeting# 20 held on 10-Nov-20.
- MOM for Meeting# 20 received via Consultant Letter ref: CST-MOM-065 dated 15-Nov-20.
- Contractor inquired whether there will be a change via Letter ref: CON-REN-084 dated 18-Nov-20.
- Consultant confirmed that discussions are currently in place with the 3rd party via Letter ref: CST-LEC-072 dated 22-Nov-20.
- Contractor highlighted that delays have been escalated and an immediate resolution for these issues is required via letter ref: CON-REN-086 dated 25-Nov-21
- Consultant instructed the Contractor not to start the work at retaining walls via Letter ref: CST-LEC-079 dated 29-Nov-20.
- Contractor submitted Notice of Extension of Time via letter ref: CON-REN-091 dated 30-Nov-20
- Consultant issued a design change to be followed by the Contractor via Instruction# 07 dated 06-Dec-20
- Contractor recorded that some information is missing in the new design and would be unable to proceed further with the preparation of shop drawings via Letter ref: CON-REN-095 dated 09-Dec-20.
- Consultant provided the missing the information via Letter ref: CST-LEC-072 dated 15-Dec-20.
- Contractor resubmitted the shop drawings via Submittal ref: ENG-STR-020 dated 25-Dec-20.
- Consultant approved Submittal ref: ENG-STR-020 on 10-Jan-21.
- Contractor started the reinforcement work for retaining walls on 11-Jan-21.

ii. Cause and Effect

The early and late start dates for retaining walls rebar as per Clause 12 programme are 10-Dec-20 and 16-Dec-20 respectively. However, the Contractor could only start on 11-Jan-21, which accounts for 33 days delay against the early dates and 27 days against late dates. As per the Main Contractor's Time Impact Analysis, the delay of this event is determined to be 27 calendar days (Refer Section 4 – "Delay Analysis"

for details). In respect of this, Clause 20 of the Conditions of Contract requires the Contractor to be granted an extension of time to the Time for Completion.

iii. Contractual Entitlement

The Delay causes in this section "Delay Event 01" is mainly attributed to change in design of retaining walls reinforcement.

The Contractor's planned Works were severely hindered by a change in design that required a resubmission of shop drawings which delayed the Contractor to start the rebar installation activity in accordance with the Programme.

> The Contract unmistakably recognizes the delay events that might occur on the commencement of the Works beyond the Contractor's control and therefore, an extension of time to be granted.
>
> Clause 7 [*Disruption of progress*] of Conditions of Contract states: -
>
> "*The Contractor shall give written notice to the Consultant and a copy thereof to the Client whenever planning or progress of the works, in its opinion, is likely to be delayed or disrupted unless any drawings, instruction or approval is issued by the Consultant within a reasonable time. The notice shall include details of the drawings, instruction or approval required and of why and by when it is required and details of the nature and amount of the delay or disruption which in its opinion is likely to be suffered if it is late*"
>
> Particularly, Clause 20 [*Extension of Time*] of Conditions of Contract states:
>
> "*any other event or circumstance (no otherwise provided for in the contract) for which the Employer, the Consultant or some other contractor employed by the Client is responsible, for which the Contractor is not directly or indirectly responsible, and which should not have been foreseen and prevented by the Contractor and which is beyond the reasonable control of the Contractor*."

Indeed, the Contractor was prevented from commencing with steel rebar of retaining walls activity as per the approved baseline program, for reasons that were wholly beyond their control, and was directly on hold until the shop drawings were submitted and approved.

iv. Summary of Delays

This delay event caused significant delays to the retaining walls reinforcement activity by 33 days and 27 days of delay against the early and late dates respectively and amounting for **27 days** to the project completion date after rescheduling the impacted program of work (see section 4 - Delay Analysis).

Delay Event# 02: Change in specifications of ceramic tiles

the Contractor was unable to obtain the approval of bathroom tiles material submittal in accordance with Clause 12 due to change in specifications. While the ceramic tiles should be Type A as per project specifications, an instruction from the Consultant to change the tiles to Type B was received as a part of Consultant's reply on Material Submittal ref: MAS-ARC-030 on 25-Jan-21

The causation of this event was change and deviation from specification which extended the duration to finalize the tiles material approval and proceed with procurement of tiles in accordance with the Baseline Program.

In respect of this, Clause 20 of the Conditions of Contract requires the Contractor to be granted an extension of time to the Time for Completion.

As per the main contractor's Time Impact Analysis, the delay of this event is determined to be 47 calendar days (See Section 4 – Delay Analysis)

i. Chronology:

- The Contractor submitted material submittal for tiles (Submittal ref: MAS-ARC-030) on 25-Jan-21
- On 07-Feb-21, the Consultant rejected Submittal ref: MAS-ARC-030, instructing the Contractor to deviate from the Contract specifications and use Tiles Type B instead of Type A.
- The Contractor raised RFI-031 dated 11-Feb-21 to confirm if the tile size of Type B is 60 x 60 cm as per project specifications.
- The Consultant replied RFI-031 and confirmed the size on 15-Feb-21
- The Contractor submitted Notice of Extension of Time via letter ref: CON-REN-124 dated 18-Feb-21.
- The Contractor shall go through the supplier selection process to find a reliable supplier who can meet the requirements of project size and budget. Contractor invited 3 suppliers on 21-Feb-21.
- The Contractor will take approximately 2 weeks to select a new supplier.
- Afterwards, the Contractor will take another 2 weeks to submit material submittal
- After the Consultant approval, the Contractor will place the LPO and the delivery duration will be in accordance with the Baseline Program of Work.

ii. Cause and Effect

The early and late dates for ceramic tiles approval as per Baseline Schedule are 24-Feb-21 and 04-

Mar-21 respectively. As the change instruction was only received on 07-Feb-21, such event delayed the material approval up to 04-Apr-21 taking into consideration the amount of time required to select suppliers and obtain the Engineer's approval on the revised material submittal as explained in (Section 4 – Delay Analysis). Moreover, this delay in material approval caused corresponding delays to both the procurement, installation of tiles and subsequent construction activities.

iii. Contractual Entitlement

The delay causes in this section "Delay Event 02" is mainly attributed to Delay of bathroom tiles material approval

The Contractor's planned Works were severely hindered by the Consultant's instruction to change the tiles Type A as stated in the project specifications to Type B. This will lead to a new round of selecting suitable suppliers, submit new material submittal and obtain the relevant approval.

The Contract unmistakably recognizes the delay events that might occur on the commencement of the Works beyond the Contractor's control and therefore, an extension of time to be granted.

Particularly, Clause 7 [*Disruption of progress*] of Conditions of Contract states: -

"*The Contractor shall give written notice to the Consultant and a copy thereof to the Client whenever planning or progress of the works, in its opinion, is likely to be delayed or disrupted unless any drawings, instruction or approval is issued by the Consultant within a reasonable time. The notice shall include details of the drawings, instruction or approval required and of why and by when it is required and details of the nature and amount of the delay or disruption which in its opinion is likely to be suffered if it is late*"

Clause 20 [*Extension of Time*] of Conditions of Contract states: -

"*any other event or circumstance (no otherwise provided for in the contract) for which the Employer, the Consultant or some other contractor employed by the Client is responsible, for which the Contractor is not directly or indirectly responsible, and which should not have been foreseen and prevented by the Contractor and which is beyond the reasonable control of the Contractor*."

The delayed approval of ceramic tiles had disrupted the procurement, delivery and installation of bathroom tiles.

(Section 4 – Delay Analysis) demonstrates how this change impacted the material approval activity and all subsequent activities in great details.

iv. Summary of Delays

the Contractor was unable to obtain the approval of bathroom tiles material submittal in accordance with Clause 12 due to change in specifications. While the ceramic tiles should be Type A as per project specifications, an instruction from the Consultant to change the tiles to Type B was received as a part of Consultant's reply on Material Submittal ref: MAS-ARC-030 on 25-Jan-21.

The early and late dates for ceramic tiles approval as per Baseline Schedule are 24-Feb-21 and 04-Mar-21 respectively. As the change instruction was only received on 07-Feb-21, such event delayed the material approval up to 04-Apr-21 as the Contractor has to go through the supplier selection process, submit the new material submit and obtain the Consultant's approval on the same.

In respect of this, Clause 20 of the Conditions of Contract requires the Contractor to be granted an extension of time to the Time for Completion. As per the main contractor's Time Impact Analysis, the delay of this event is determined to be **47 calendar days** (Refer Section 4 – Delay Analysis)

SECTION 5: MITIGATION MEASURE

Delay Event# 01: Change in reinforcement design of retaining walls

- The Contractor took a proactive approach to highlight the delays on regular basis and requested the Consultant to issue the design change at the earliest via Letter ref: CON-REN-086 dated 25-Nov-21.
- The Contractor re-submitted the shop drawings via Submittal ref: ENG-STR-020 dated 25-Dec-20. Therefore, after complete information were received, the Contractor took only 10 days to resubmit the drawings instead of 14 days as planned in the Baseline Program.
- The Contractor started the work immediately after the shop drawings approval.

Delay Event# 02: Change in specifications of ceramic tiles

- Contractor invited 3 suppliers on 21-Feb-21 to expedite the process of supplier selection and mitigate the associated delays of this event.

SECTION 4. DELAY ANALYSIS

Introduction

This delay analysis section demonstrates the impact of Client Culpable delays on the project and assesses the Contractors entitlement for an Extension of Time to the Completion of the Works.

Methodology

The method used for the delay analysis is the Time Impact Analysis in Windows (TIA) as required by the contract and is widely recognized as an industry standard method to quantify schedule delays. The method addresses scenarios involving delays, accelerations and entitlement determination.

Time impact analysis is based on the effect of Delay Events on the Program of Work for the future conduct of the Work in the light of progress achieved at the time of the Delay Event and can also be used to assist in resolving more complex delay scenarios. It is also the best technique for determining the amount of EOT that the Main Contractor should have been granted at the time a Client / Consultant Risk Event occurred. TIA method does not generate hypothetical results but rather generates results showing entitlement. This technique is the preferred technique to resolve complex disputes and compensation for the delay.

TIA uses the contemporaneous records as well as weekly and monthly progress updates, provided by the Contractor through the project cycle for the analysis.

To undertake the analysis, we refer the progress prior to window period/delay event and identify Employer's Delay Events then establish the Fragnets for this delay event and measure the associated impact during the Window period.

The Contractor encountered critical Delay Events to the project. A total of 2 Delay Events have been assessed in this delay analysis, as listed in table below. The delays occurred at different stages during the progress of Work.

To undertake the analysis the following steps are undertaken for each delay event/Window:

- Step 1 – Establishing progress prior to window period/Delay event, to assess the progress and status of the project during the Window period being assessed and which any Employer delay event occurs.
- Step 2 – Identify Employer's Delay Events commencing or ongoing during the window period, establishing the Fragnets for the delay event and impact to measure the effect of the delay during the Window period.
- Conclusions

These delay events have been identified as Client / Consultant Delay Events, in that

3. They were not caused by the Contractor,
4. The Contractor had no control over the delay event,
5. The delays prevented the Contractor from performing the Works as planned,
6. The delays critically affected the achievement of planned dates of activities in accordance with the Baseline Program of Work.

These 2 Delay Events are:

- Delay Event# 01: Change in reinforcement design of retaining walls
- Delay Event# 02: Change in specifications of ceramic tiles

Time for Completion

The Contract Commencement Date is 10th August 2020 as instructed in the notice to commence works issued by the Engineer, and the project duration is 676 days making the Time for Completion is 16th June 2022.

Activity ID	Activity Description	Finish Date
GRKDS1060	Project Complete	16-Jun-2022

Progress Updates

The Baseline Program has been updated on weekly and monthly basis and issued along with weekly and

monthly progress reports.

The TIA utilizes schedule update with regards to the start of the Delay Event as it displays the project status and logical sequence of work involved in the project at the time and reasonably demonstrates how the remaining works were to be completed.

The progress updates used for this TIA delay analysis are listed below.

Window	Weekly Progress Update	Data Date of the Progress Update
Window 01	Monthly Report# 03	30-Nov-20
Window 02	Monthly Report # 05	31-Jan-21

Window 01

The period covered in Window 1 spans between the project commencement date of 10th August 2020 and 30-Nov-20 which is the data date of Main Contractor's Monthly Report No. 03.

Step 1 – Contractor progress during Window #1

The Contractor submitted updated program of work (Data Date 30-Nov-20) via Monthly Report No. 03 which was submitted to Consultant via our Transmittal Ref: CON/TRS/PLN/05 dated 04-Dec-20.

The project forecast completion date was 27-Jun-22 after applying the actual project status as submitted via the monthly report.

The longest path showed 10 days delay to the project and included the piles and raft works activities.

Step 2 – Client Delay Events

Client Delay Events

The delay events identified in this period is:

- Delay event No. 1 – Change in reinforcement design of retaining walls

Delay event No. 1 – Change in reinforcement design of retaining walls

The below fragnet for this Delay Event has been inserted into the Program to show the effect of this delay on the engineering and construction as well as the project completion date.

Activity ID	Activity Name	Original Duration	Start	Finish
IMP01-10	Consultant highlighted doubts regarding reinforcement details of retaining walls during Progress Meeting# 20	0	10-Nov-20 A	
IMP01-20	MOM for Meeting# 20 received via Consultant Letter ref: CST-MOM-065	0	15-Nov-20 A	
IMP01-30	Contractor inquired whether there will be a change via Letter ref: CON-REN-084	0	18-Nov-20 A	
IMP01-40	Consultant confirmed that discussions are currently in place with the 3rd party via Letter ref: CST-LEC-072	0	22-Nov-20 A	
IMP01-50	Contractor highlighted that delays have been escalated via letter ref: CON-REN-086	0	25-Nov-20 A	
IMP01-60	Consultant instructed the Contractor not to start the work via Letter ref: CST-LEC-079	0	29-Nov-20 A	
IMP01-70	Contractor submitted Notice of Extension of Time via letter ref: CON-REN-091	0	30-Nov-20 A	
IMP01-130	Consultant issued a design change to be followed by the Contractor via Instruction# 07	0	06-Dec-20*	
IMP01-80	Contractor recorded that some information is missing via Letter ref: CON-REN-095	0	09-Dec-20*	
IMP01-90	Consultant provided the missing the information via Letter ref: CST-LEC-072	0	15-Dec-20*	
IMP01-100	Contractor resubmitted the shop drawings via Submittal ref: ENG-STR-020	0	26-Dec-20*	
IMP01-110	Consultant approved Submittal ref: ENG-STR-020	0	10-Jan-21*	
IMP01-120	Contractor started the reinforcement work for retaining walls	0		11-Jan-21*

The fragnet activity related to delay in steel rebar (Activity ID: *IMP01-120* & Activity Name: "*Contractor started the reinforcement work for retaining walls*") is linked with FS relationship with the program of work (Activity ID: *CNB01CWW14* & Activity Name: "*Steel Rebar for Retaining Walls*" to evaluate the impact.

After re-scheduling the Program, the Project completion date is shown to be critically delayed by (-27) days and shifted the project completion date from 16-Jun-22 to 13-Jul-22.

Accordingly, the delay is 27 Calendar days attributable to the Client.

Conclusion

As assessed in Step 1 above there were 10 calendar days delay attributable to the Contractor in this Window period.

As assessed in Step 2 the analysis demonstrates that there were 27 calendar days delay attributable to the Employer Delays within this period.

The analysis demonstrates that there were 27 calendar days delay attributable to the Client Delays within

this period.

A summary of the delay liability for this period is shown below:

Data Date	Window	Forecast Completion Date	Project Delay	Client Delay	Compensable Time
30-Nov-20	1	13-Jul-22	-27	-27	-7

Window 02

The period covered in Window 2 spans between the 10th August 2020 which is the project commencement date and 31st January 2021 is the data date of Main Contractor's Monthly Report No. 05.

Step 1 – Contractor progress during Window #2

The Contractor submitted updated program of work (Data Date 31-Jan-21) via Monthly Report No. 05 which was submitted to Consultant via our Transmittal Ref: CON/TRS/PLN/09 dated 06-Feb-21.

The project forecast completion date was 26-Jul-22 after applying the actual project status as submitted via the monthly report.

The longest path showed 40 days delay to the project and included the steel work for the retaining walls.

Step 2 – Client Delay Events

The delays identified in this period are:

1- Delay Event# 02: Change in specifications of ceramic tiles

Delay Event No. 2 – Change in specifications of ceramic tiles

The below fragnet for this Delay Event has been inserted into the Program to show the effect of this delay on tiles material approval, procurement and installation as well as the project completion date.

Activity ID	Activity Name	Original Duration	Start	Finish
IMP02-10	The Contractor submitted material submittal for tiles (Submittal ref: MAS-ARC-030)	0	25-Jan-21 A	
IMP02-20	Consultant rejected Submittal ref: MAS-ARC-030 instructing the Contractor to use Tiles Type B instead of Type A	0	07-Feb-21*	

IMP02-30	The Contractor raised RFI-031 to confirm if the tile size of Type B is 60 x 60 cm	0	11-Feb-21*	
IMP02-40	Consultant replied RFI-031 and confirmed the size	0	15-Feb-21*	
IMP02-50	Contractor submitted Notice of Extension of Time via letter ref: CON-REN-124	0	18-Feb-21*	
IMP02-60	Contractor invited 3 suppliers on 21-Feb-21	0	21-Feb-21*	
IMP02-70	Contractor Selects Supplier	14	21-Feb-21	06-Mar-21
IMP02-80	Contractor Submits new Material Submittal	14	07-Mar-21	20-Mar-21
IMP02-90	Consultant Approves new Material Submittal	14	21-Mar-21	03-Apr-21

The fragnet activity related to approval of tiles material submittal (Activity ID: *IMP02-90* & Activity Name: "*Consultant Approves new Material Submittal*") is linked with FF relationship with the program of work (Activity ID: *ENMSPPPC140* & Activity Name: "*Material Approval - Ceramic tiles for Bathrooms*" to evaluate the impact.

After re-scheduling the Program, the Project completion date is shown to be critically delayed by (-47) days and shifted the project completion date from 16-Jun-22 to 02-Aug-22.

Accordingly, **the delay is 47 Calendar days attributable to the Client.**

Conclusion

The analysis demonstrates that there were 47 calendar days' delay attributable to the Client within this period.

A summary of the delay liability for this period is shown below:

Data Date	Window	Forecast Completion Date	Project Delay	Client Delay	Compensable Time
31-Jan-21	2	02-Aug-22	47	47	30

SUMMARY

Summary of the overall delay liability as a result of the 2 events is shown below:

Data Date	Window	Forecast Completion Date	Impacted Project Delay	Client Delay	Compensable Time
30-Nov-2020	1	13-Jul-2022	27 days	27 days	7 days

31-Jan-2021	2	02-Aug-2022	47 days	47 days	30 days
Overall (Calendar Days)		**02-Aug-2022**	47 days	47 days	37 days

Summary of Delay Analysis:

a. **The cumulative delay to the completion date: 47 Calendar days**

b. **Impacted Project Completion Date: 02-Aug-22**

c. **The Client Culpable delay: 47 Calendar days**

d. **The compensable delay: 37 Calendar days**

Section 7 – Frag Nets

Section 8 – Impacted Longest Paths

Section 9 –Longest Paths for Schedule Updates