



# School for Knowledge Economy Project (SKEP) Phase III – Package 1

## Monthly Progress Report

No. 7

June, 2021



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# 1 | Project Particulars

## 1.1 Contract Main Information

Contract Name:	School for Knowledge Economy Project (SKEP) Phase III – Package (1)
Owner:	Ministry of Education (MOE)
Funded By:	United States Agency for International Development (USAID)
Consultant:	Wahib Medanat Consultant Engineers
Project Management:	Trigon Associates
Contractor:	Derar Saraireh & Sons for Engineering & Contracting
Contract No.:	1/2020/USAID/SKEP/3/1
Commencement Date:	19/12/2020
Time for Substantial Completion of the Work:	Um-Aldananir Basic Mixed School - Al-Balqa: 450 Days  Al Khansa' Basic Mixed School Al-Balqa: 450 Days  Khadija Bint Khwailed Basic Mixed School - Al-Shouna Al-Janobia: 450 Days
Time to Complete the Work Including Punch List Items:	Within 14 Calendar days for each School from the date of taking over committee inspection
Contract Amount at Award:	9,789,417.840 JOD
Amount of Liquidated Damages:	Um-Aldananir Basic Mixed School- Al-Balqa: 2000 JOD/ Day but not to exceed 15% of total amount for the School

	Al Khansa' Basic Mixed School Al-Balqa: 2000 JOD/ Day but not to exceed 15% of the total amount for the School
	Khadija Bint Khwailed Basic Mixed School - Al-Shouna Al-Janobia: 2000 JOD/ Day but not to exceed 15% of total amount for the School
Defects Liability Period:	(730) Calendar Days for all Civil & Electromechanical works from the date of Substantial Completion for each school including the maintenance of plantation works
Maintenance Guarantee for Defects Liability Period:	5% of the final Contract Sum
Percentage of Retention from Interim Payment Certificate:	10% of each payment
Limit of Retention Money:	5% of Contract Sum as amended
Period of Time for Payment to be made after Certification by the Engineer:	60 Calendar Days
Minimum Amount of Interim Payment Certificate:	JOD 300,000 (Three hundred thousand Jordanian Dinar) for all schools under the Package
Payment for Imported Materials	40% upon receipt of approved bill of lading and another 20% when stored on site to the Engineer's approval
Payment for Local Materials and Equipment	60% and restricted to cement and reinforcing steel when stored on site to the Engineer's approval.

## 1.2 Executive Summary

The Ministry of Education represented by the Ministry of Public Works & Housing has received a grant from USAID to finance the construction of:

School for Knowledge Economy Project (SKEP) – Phase III – Package (1)

The package consists of construction of three (3) Schools at different locations in Al-Balqa.

The project consists of construction of new classrooms, computer labs, laboratories, public utilities...etc., and site works for group of schools as shown in the Tender Documents, the Schools are:

### A- Um-Aldananir Basic Mixed School

The project consists of a school building of five floors with a total approximate built-up area of 6258 m<sup>2</sup>, in addition guard house, rainwater harvesting tank and other site works as deemed in the drawings and BOQ.

#### Main Elements

Land Area =11709 m <sup>2</sup>			External Works = 5665 m <sup>2</sup>					no. of floors = 5		
Floor	F.F.L	Area (m <sup>2</sup> )	No.of classroom grade (1-3)	No.of classroom grade (4-10)	No . Of KG classroom	Student for each classroom	Student in floor	General Toilets	Mens Toilets	Womens Toilets
<b>Basement</b>	96.9/97.5	1070	-	-	-	-	-	HC TOILET	1	1
<b>Ground</b>	102	1669	-	-	4	24	96	2 KG toilets child care toilet	-	-
<b>First</b>	105.64	1664	12	4	-	36	576	H.c TOILETS	2	2
<b>Second</b>	109.28	1664	-	12	-	36	432	H.C TOILET	-	2
<b>Roof</b>	112.92	90	-	-	-	-	-	-	-	-
<b>External Works</b>	-	5451	-	-	-	-	-	-	-	-
<b>Total</b>		<b>11608</b>		<b>32</b>		<b>-</b>	<b>1104</b>	<b>-</b>	<b>3</b>	<b>5</b>

❑ Location Link:

[Um Al Dananir Basic Mixed-Balqa](#)

❑ More Information Link

<https://www.medanat.site/s3p1s1-01>

## B- Al Khansa' Basic Mixed School

The project consists of a school building of five floors with a total approximate built-up area of 6432 m<sup>2</sup>, in addition guard house, sewage collection tank, water tank and other site works as deemed in the drawings and BOQ.

### Main Elements

Land Area =9226 m2			External Works = 3802 m2					no. of floor = 5		
Floor	F.F.L	Area (m2)	No.of classroom grade (1-3)	No.of classroom grade (4-10)	No . Of KG classroom	Student for each classroom	Student in floor	General Toilets	Mens Toilets	Womens Toilets
<b>Ground</b>	89.55	1619.11	-	-	4	24	96	General 1 HC toilet and 2*2 KG Toilets with 2 KG HC Toilets	1*2	1*2
<b>First</b>	93.45	1693.35	9	-	-	36	324	1 HC Toilet	1*4	1*6
<b>Second</b>	97.35	1508.29	-	8	-	36	288	1*9 with 1 HC toilets	-	-
<b>Third</b>	101.25	1511.24	-	6	-	36	216	1*7with 1 HC toilets	-	-
<b>Roof</b>	105.15	99.12	-	-	-	-	-	-	-	-
<b>External Works</b>	---	3802	-	-	-	-	-	-	-	-
<b>Total</b>		<b>10233.11</b>		<b>27</b>		<b>-</b>	<b>924</b>	<b>-</b>	<b>6</b>	<b>8</b>

❑ Location Link:

[Al Khansa'a Basic Mixed - Balqa](#)

❑ More Information Link

<https://www.medanat.site/s3p1s2-01>

## C- Khadija Bint Khwailed Basic Mixed School

The project consists of school building of four floors with a total approximate built-up area of 5341.18 m<sup>2</sup>, in addition guard house, sewage collection tank, water tank and other site works as deemed in the drawings and BOQ.

### Main Elements

Land Area =17320 m2			External Works = 7013.5 m2					no. of floor = 4		
Floor	F.F.L	Area (m2)	No.of classroom grade (1-3)	No.of classroom grade (4-10)	No . Of KG classroom	Student for each classroom	Student in floor	General Toilets	Mens Toilets	Womens Toilets
Ground	101	2273.07	-	-	4	24	96	General 1 HC toilet and 2*2 KG Toilets with 2 KG HC Toilets	1*2	1*2
First	104.64	1816.25	9	6	-	36	540	1 HC Toilet	1*4	1*6
Second	108.28	1160.75	-	8	-	36	288	1*9 with 1 HC toilets	-	-
Roof	111.77	91.11	-	-	-	-	-	-	-	-
External Works	-	-	-	-	-	-	-	-	-	-
Total		5341.18	27		-	-	924	-	6	8

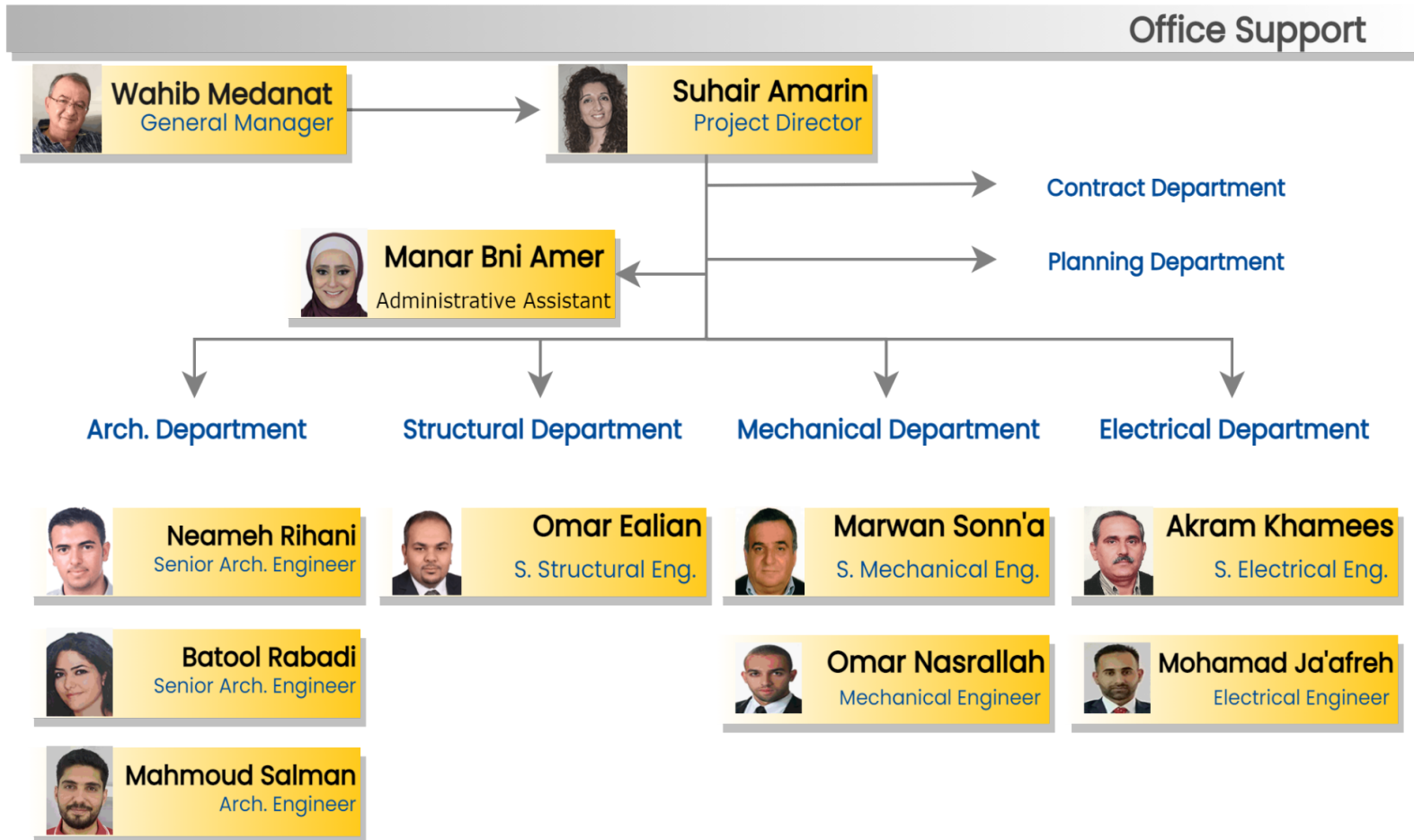
❑ Location Link:

[Khadija Bint Khwailed Basic Mixed - Balqa](#)

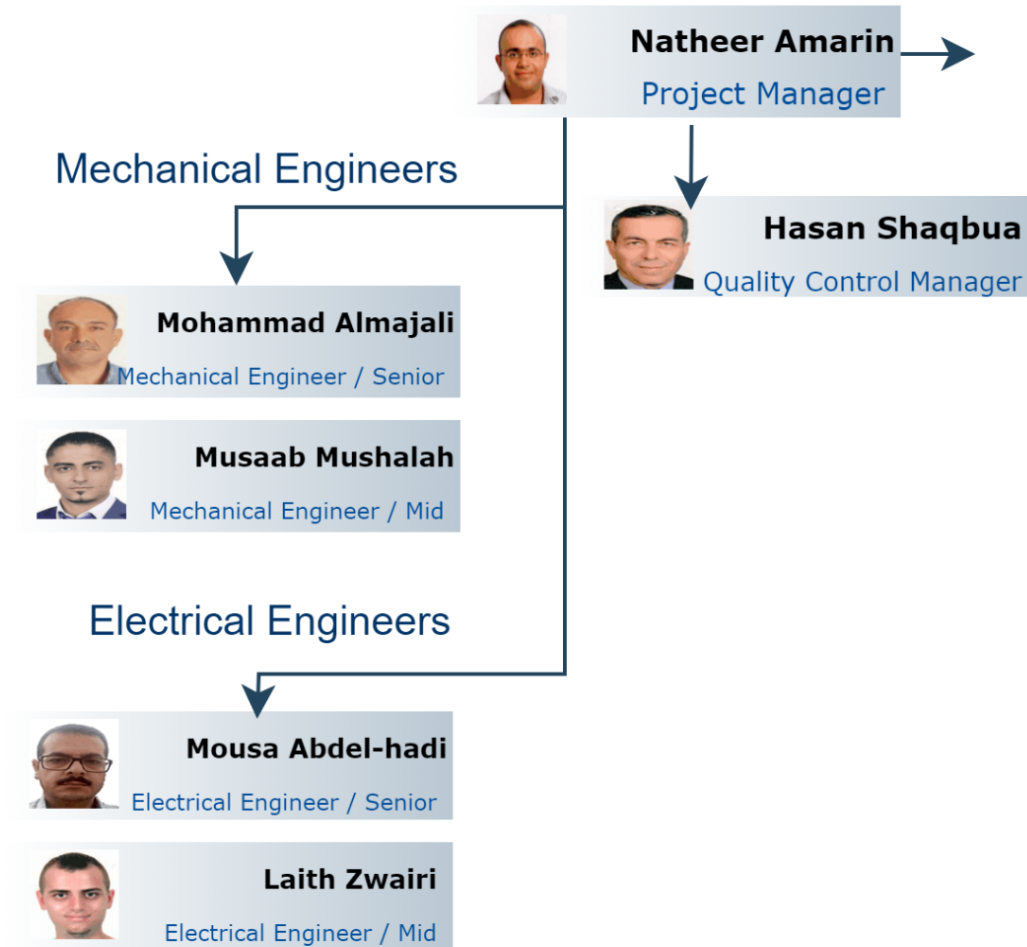
❑ More Information Link

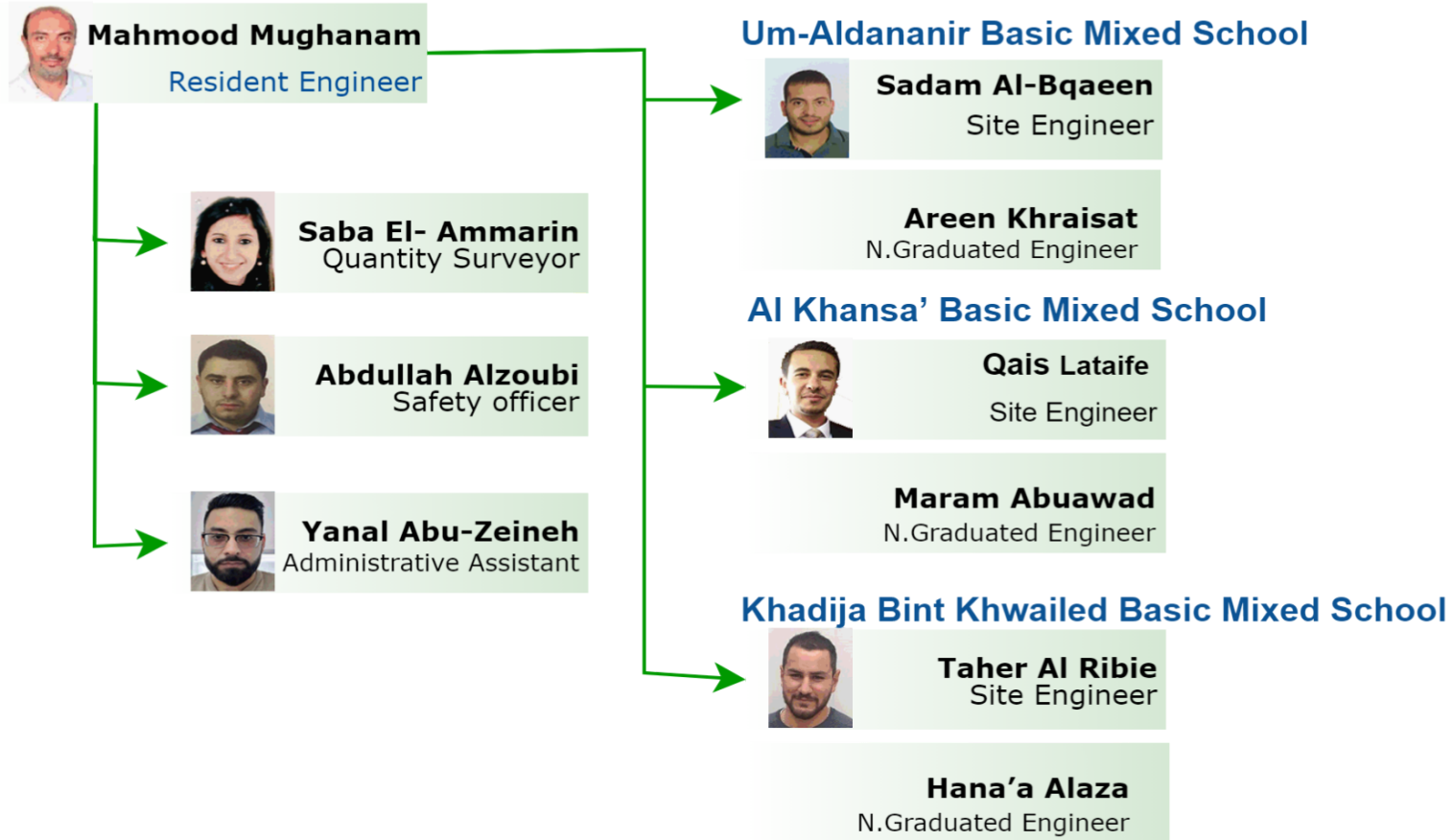
<https://www.medanat.site/s3p1s3-01>

## 2 | Consultant Organization Project Staff



Package 1,2





website Link: <https://www.medanat.site/skepiii-staff>



### 3 | Summary of Activities

#### 3.1 Um–Aldananir Basic Mixed School

- Summary of Activities Link:
- <https://docs.google.com/spreadsheets/d/e/2PACX-1vTzgdTB6vhO4H4jnCLdb7WnW-B5YHYRREFQqk3RedyM5IIS1ZkXB4v4EpXziNdt2psalGW-nBY72zkJ/pubhtml?gid=0&single=true>

#### 3.2 Al Khansa' Basic Mixed School

- Summary of Activities Link:
- <https://docs.google.com/spreadsheets/d/e/2PACX-1vTzgdTB6vhO4H4jnCLdb7WnW-B5YHYRREFQqk3RedyM5IIS1ZkXB4v4EpXziNdt2psalGW-nBY72zkJ/pubhtml?gid=834925315&single=true>

#### 3.3 Khadija Bint Khwailed Basic Mixed School

- Summary of Activities Link:
- <https://docs.google.com/spreadsheets/d/e/2PACX-1vTzgdTB6vhO4H4jnCLdb7WnW-B5YHYRREFQqk3RedyM5IIS1ZkXB4v4EpXziNdt2psalGW-nBY72zkJ/pubhtml?gid=234544642&single=true>

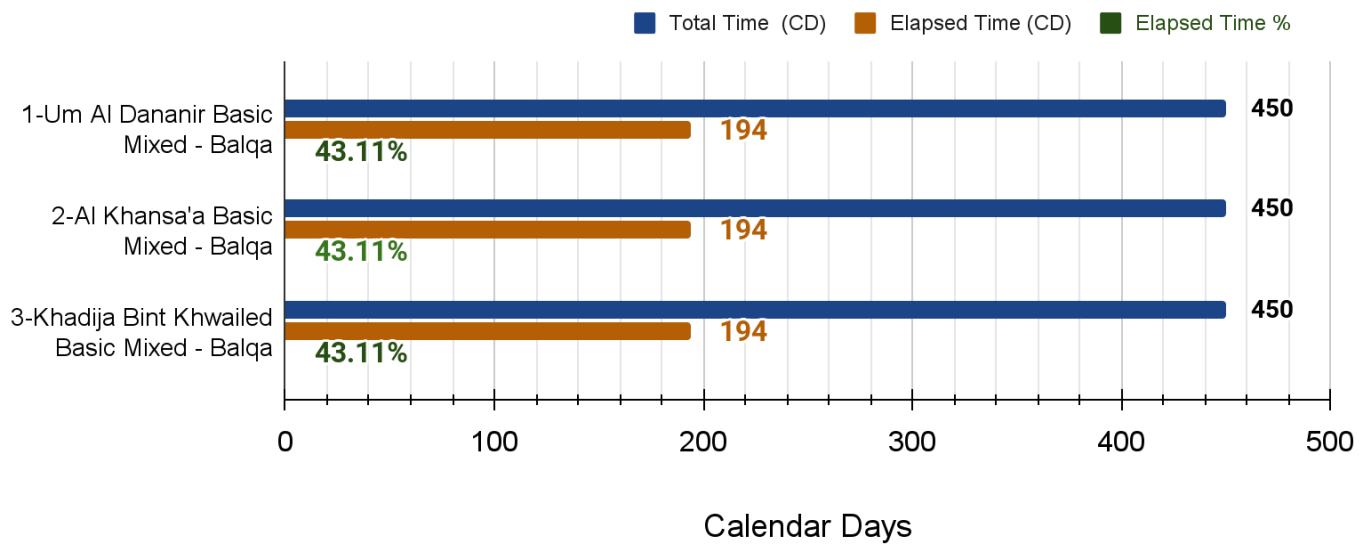
#### 3.4 Mobilization Tracking Log

- <https://docs.google.com/spreadsheets/d/11Lk1LbM92h-E7qxQ4uTn24IKTUz5qCuVnR2qASetugQ/edit?usp=sharing>

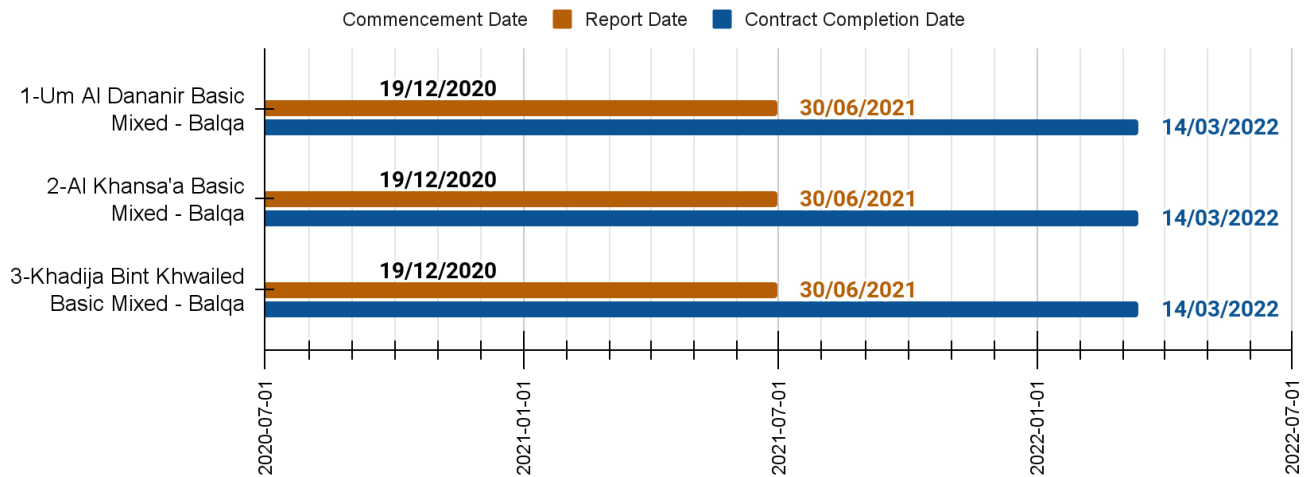
## 4 | Project Time and Duration

PGK 1 Report Date	2021-06-30				
Site Name	Contract Duration (CD)	Time Extension (CD)	Total Time (CD)	Elapsed Time (CD)	Elapsed Time %
1-Um Al Dananir Basic Mixed - Balqa	450	0	450	194	43.11%
2-Al Khansa'a Basic Mixed - Balqa	450	0	450	194	43.11%
3-Khadija Bint Khwailed Basic Mixed - Balqa	450	0	450	194	43.11%

SKEP III PKG 1 Time Chart



Site Name	Commencement Date	Report Date	Contract Completion Date
1-Um Al Dananir Basic Mixed - Balqa	2020-12-19	2021-06-30	2022-03-14
2-Al Khansa'a Basic Mixed - Balqa	2020-12-19	2021-06-30	2022-03-14
3-Khadija Bint Khwailed Basic Mixed - Balqa	2020-12-19	2021-06-30	2022-03-14



## 5 | Project Contract & V.O's

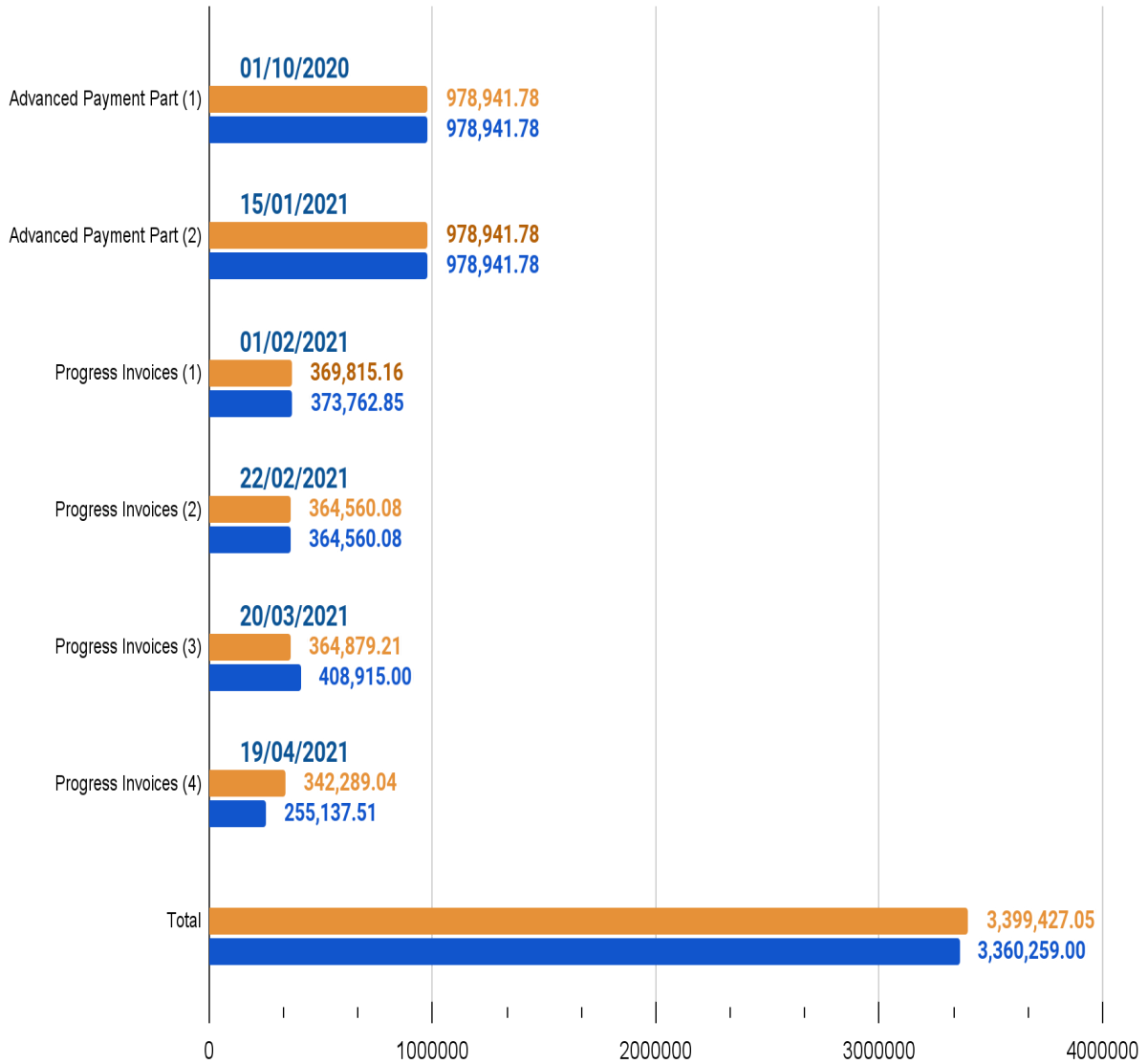
Package 1 Contract & V.O's							
School Name	Contract Value JD		Provisional Sums JD		V.O.		Total Contract Value JD
	Original	After 6 % Deduction	Geotechnical Tests	Conveying System			
Khadija Bint Khwailed Basic Mixed School	3,001,919.70	2,821,804.52	11,000.00	25,000.00		29,605.00	2,887,409.52
Um Al Dananir Basic Mixed School	3,260,798.90	3,065,150.97	11,000.00	25,000.00		0	3,101,150.97
Al Khansa' Basic Mixed School-Al Balqa	3,758,331.10	3,532,831.23	11,000.00	25,000.00		0	3,568,831.23
General Requirement JD	171,948.00	161,631.12					161,631.12
<b>Total</b>	<b>10,021,049.70</b>	<b>9,419,786.72</b>	<b>108,000.00</b>			<b>0</b>	<b>9,719,022.84</b>
Provisional sum (Utilities)							100,000.00
<b>Total Amount</b>							<b>9,819,022.84</b>

## 6 | Cash Flow

Package 1 Cash Flow			
Payment	Date of Payment	Actual Amount (JD)	Scheduled (JD)
Advanced Payment Part (1)	01/10/2020	978,941.78	978,941.78
Advanced Payment Part (2)	15/01/2021	978,941.78	978,941.78
Progress Invoices (1)	01/02/2021	369,815.16	373,762.85
Progress Invoices (2)	22/02/2021	364,560.08	364,560.08
Progress Invoices (3)	20/03/2021	364,879.21	408,915.00
Progress Invoices (4)	19/04/2021	301,589.72	255,137.51
Progress Invoices (5)	07/06/2021	359,059.30	344,442.14
<b>Total</b>		<b>3,717,787.03</b>	<b>3,704,701.14</b>

## Package 1- Cash Flow

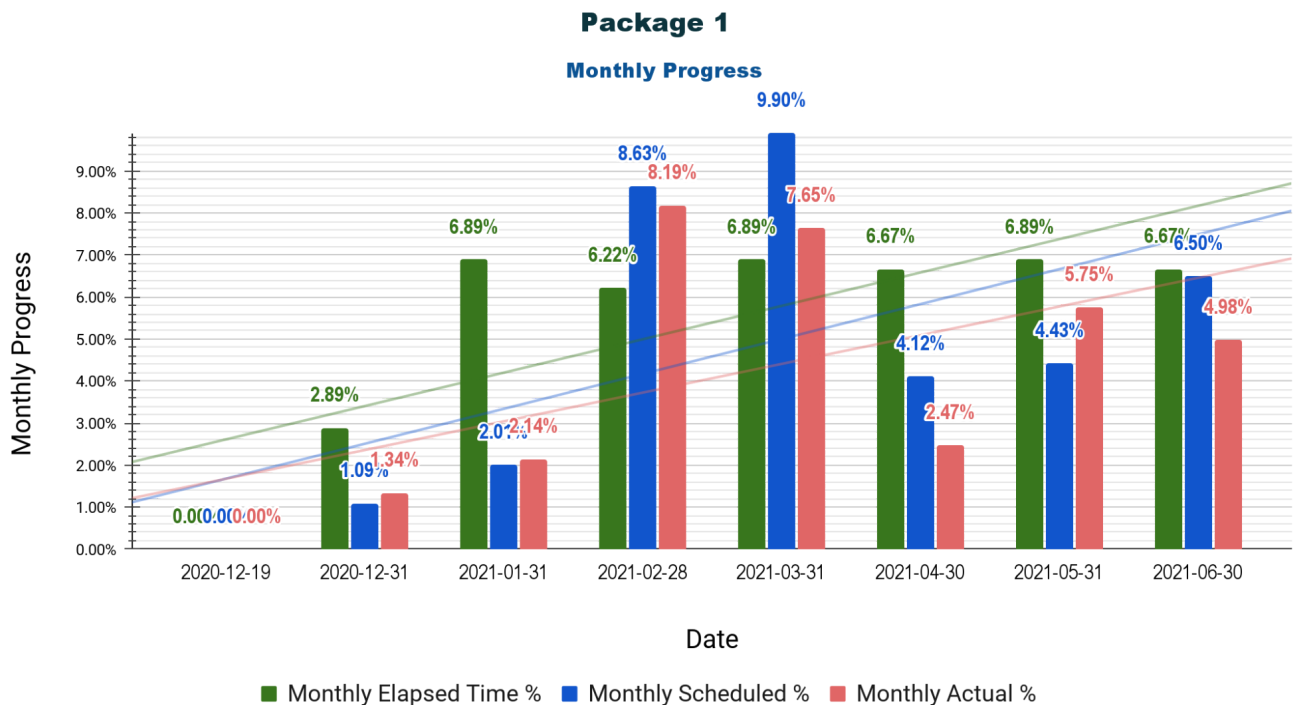
Date of Payment ■ Actual Amount (JD) ■ Scheduled (JD)



## 7 | Progress

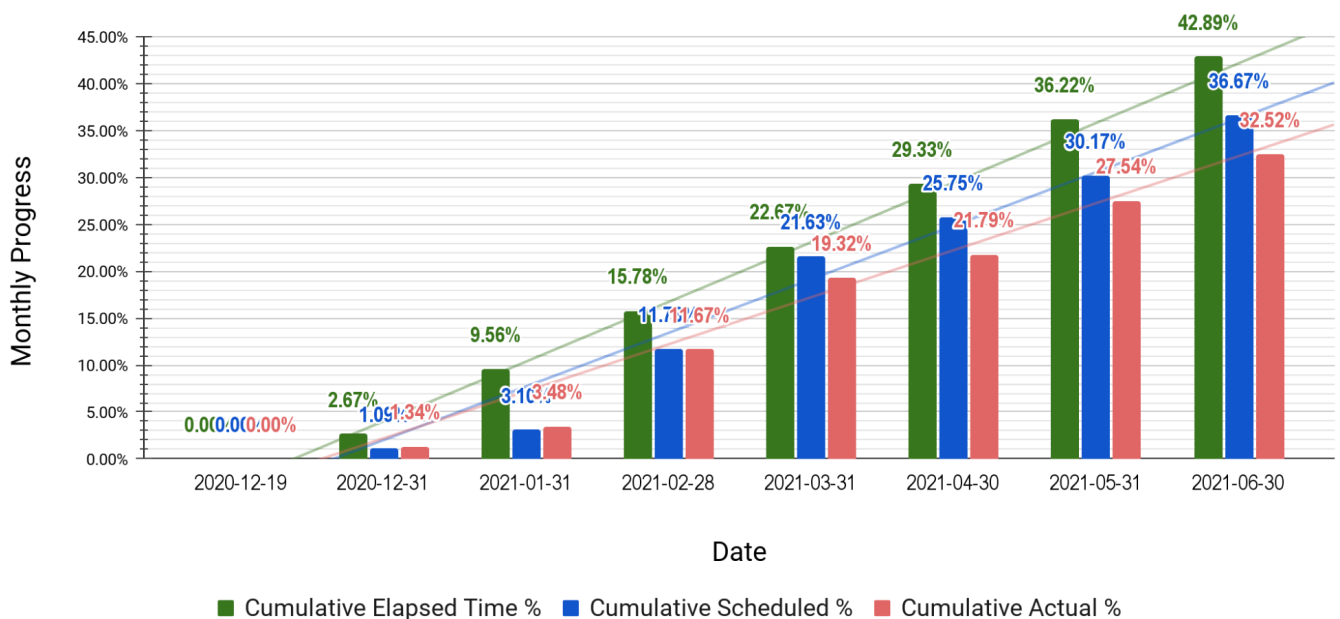
### 7.1 Average Progress

Package 1 Monthly Progress			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.89%	1.09%	1.34%
2021-01-31	6.89%	2.01%	2.14%
2021-02-28	6.22%	8.63%	8.19%
2021-03-31	6.89%	9.90%	7.65%
2021-04-30	6.67%	4.12%	2.47%
2021-05-31	6.89%	4.43%	5.75%
<b>2021-06-30</b>	6.67%	6.50%	4.98%



Package 1 Cumulative Progress			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.67%	1.09%	1.34%
2021-01-31	9.56%	3.10%	3.48%
2021-02-28	15.78%	11.73%	11.67%
2021-03-31	22.67%	21.63%	19.32%
2021-04-30	29.33%	25.75%	21.79%
2021-05-31	36.22%	30.17%	27.54%
2021-06-30	42.89%	36.67%	32.52%

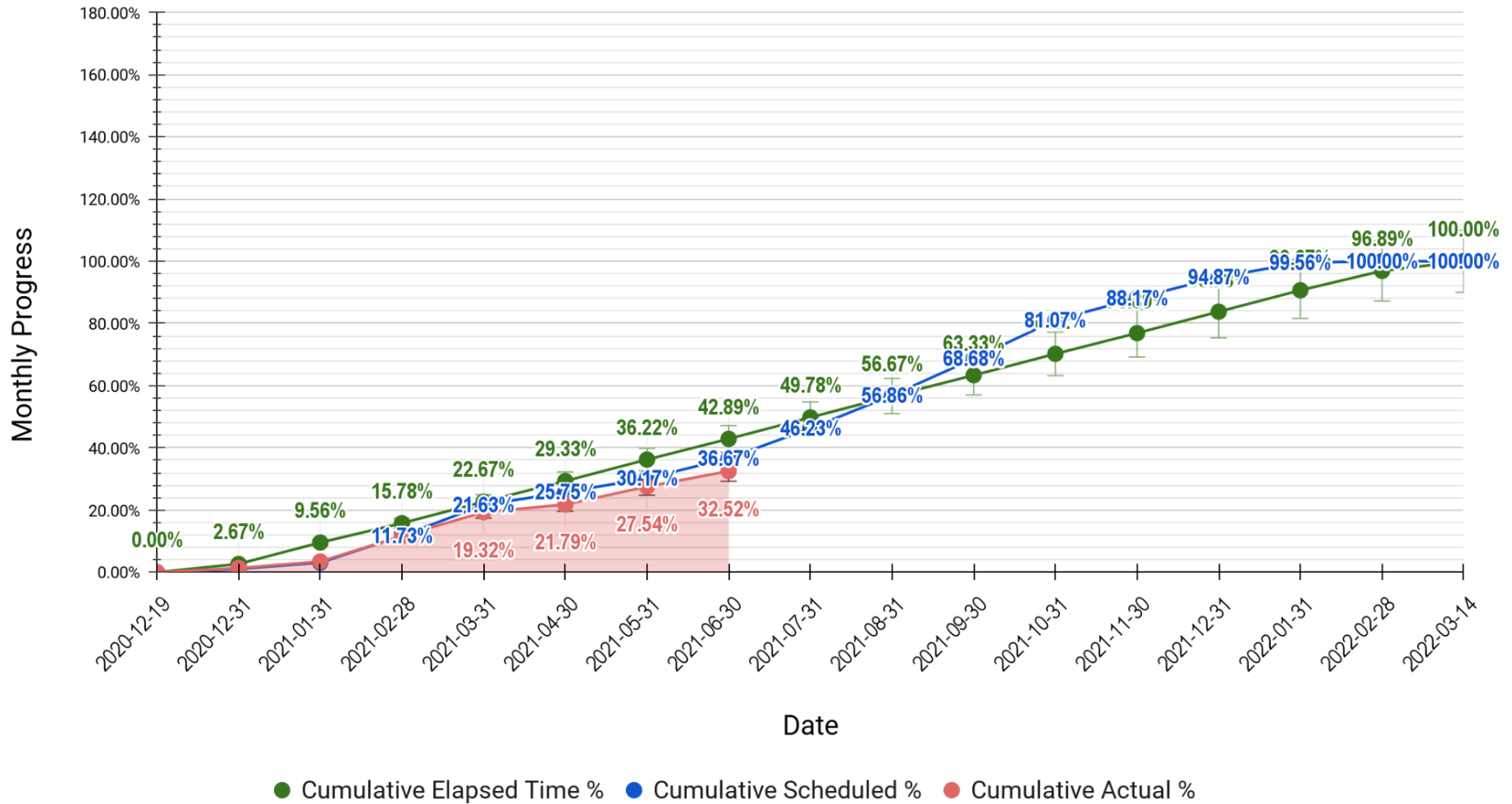
**Package 1**  
**Cumulative Progress**





### Package 1 Average For Three Sites

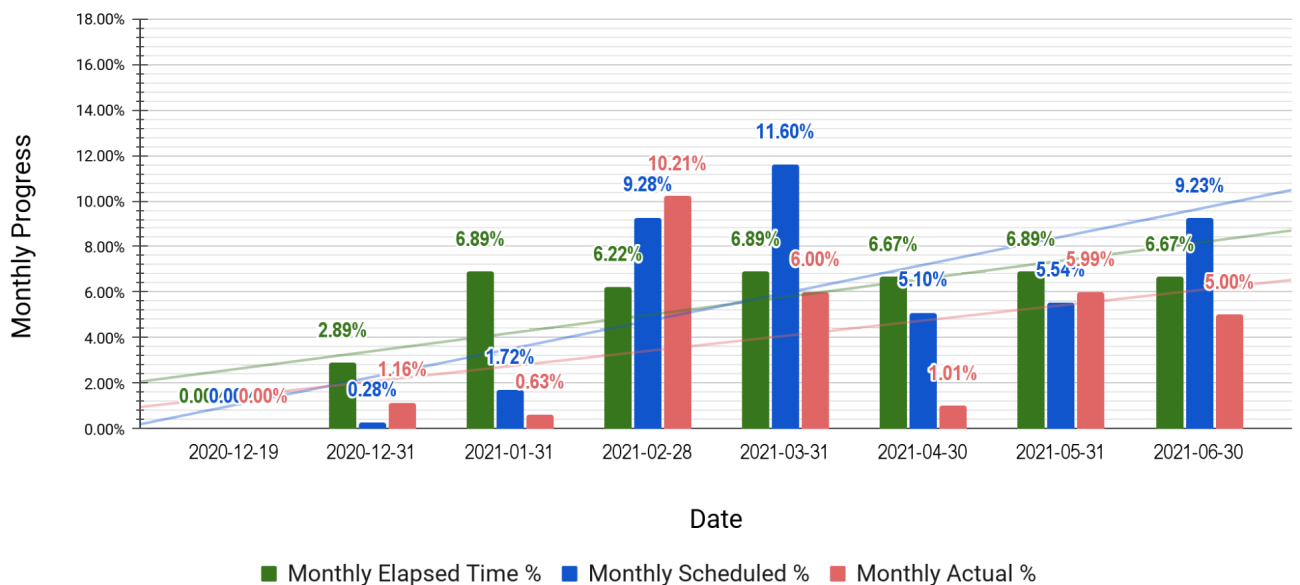
#### Cumulative Progress



## 7.2 Um Al Dananir Basic Mixed School – Balqa

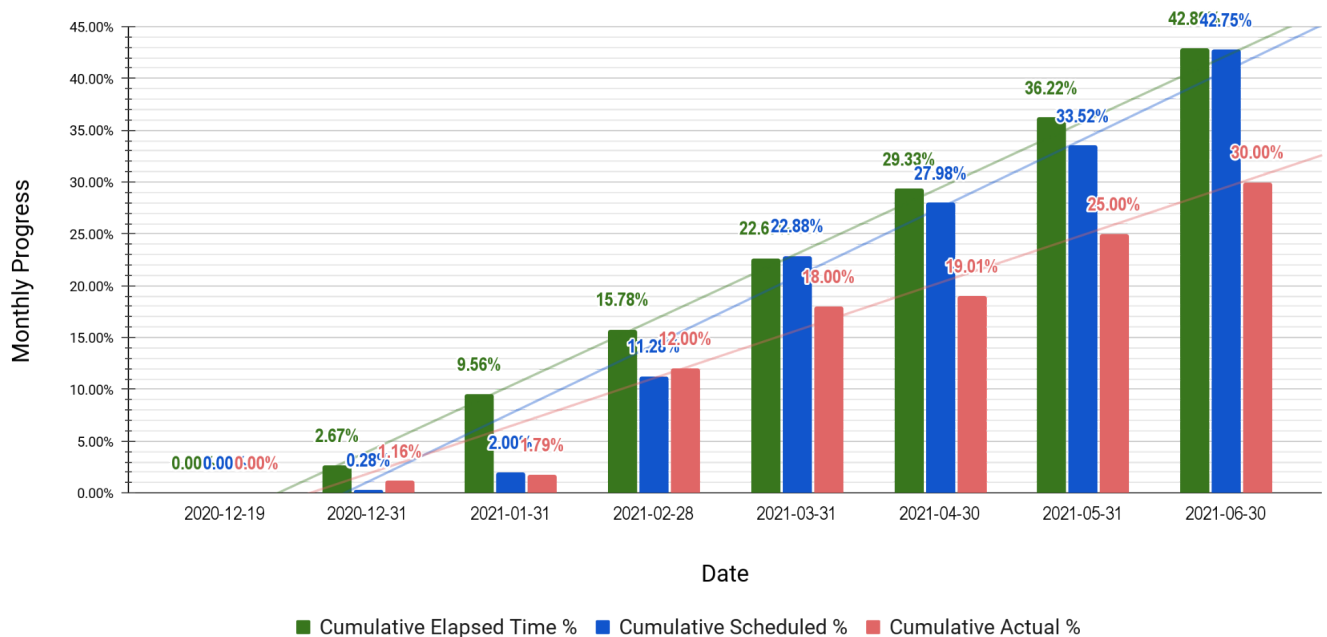
Package 1 Um Al Dananir Basic Mixed - Balqa			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.89%	0.28%	1.16%
2021-01-31	6.89%	1.72%	0.63%
2021-02-28	6.22%	9.28%	10.21%
2021-03-31	6.89%	11.60%	6.00%
2021-04-30	6.67%	5.10%	1.01%
2021-05-31	6.89%	5.54%	5.99%
2021-06-30	6.67%	9.23%	5.00%

Package 1 Um Al Dananir Basic Mixed - Balqa  
 Monthly Progress



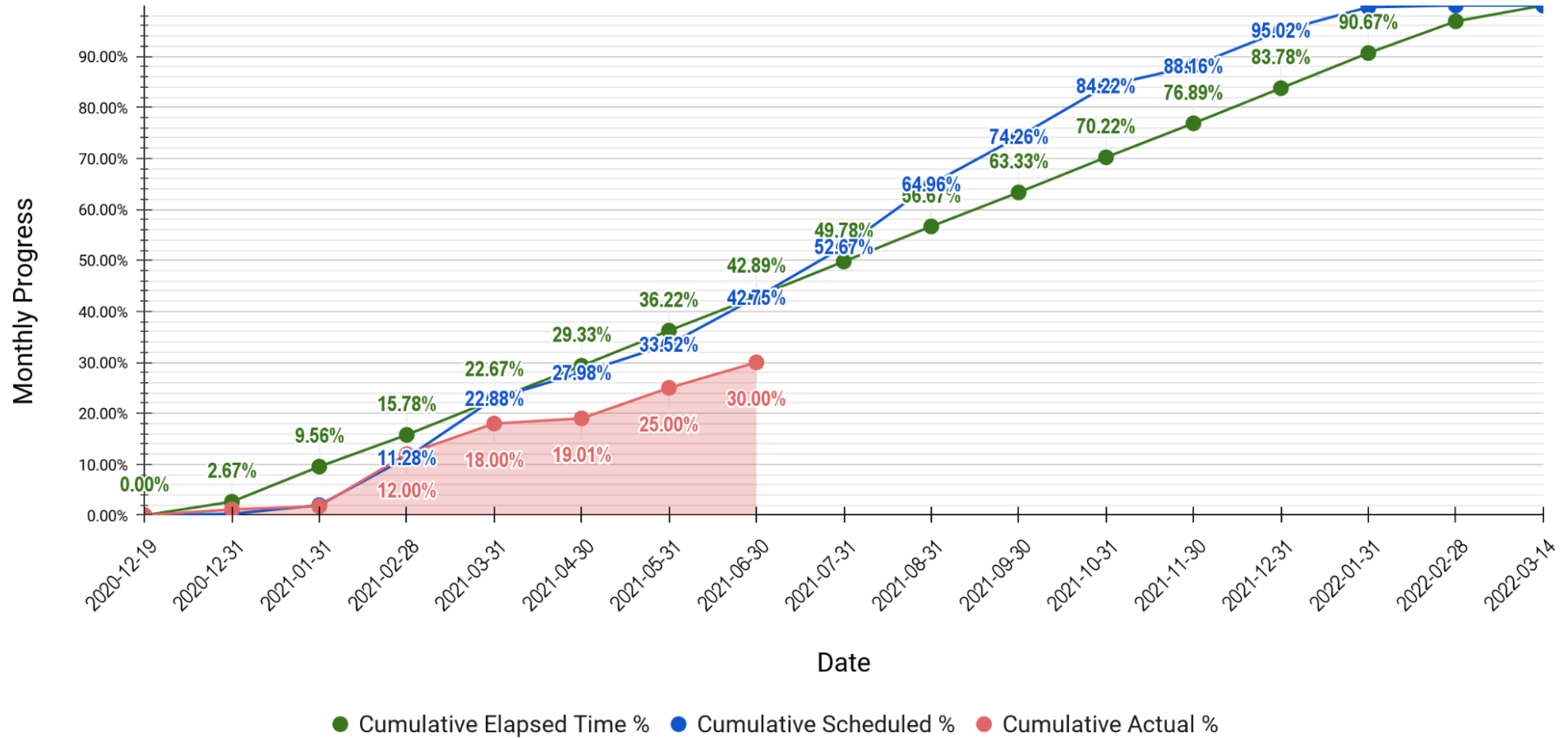
Package 1 Um Al Dananir Basic Mixed - Balqa			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.67%	0.28%	1.16%
2021-01-31	9.56%	2.00%	1.79%
2021-02-28	15.78%	11.28%	12.00%
2021-03-31	22.67%	22.88%	18.00%
2021-04-30	29.33%	27.98%	19.01%
2021-05-31	36.22%	33.52%	25.00%
2021-06-30	42.89%	42.75%	30.00%

**Package 1 Um Al Dananir Basic Mixed - Balqa**  
**Cumulative Progress**



**Package 1 Um Al Dananir Basic Mixed - Balqa**

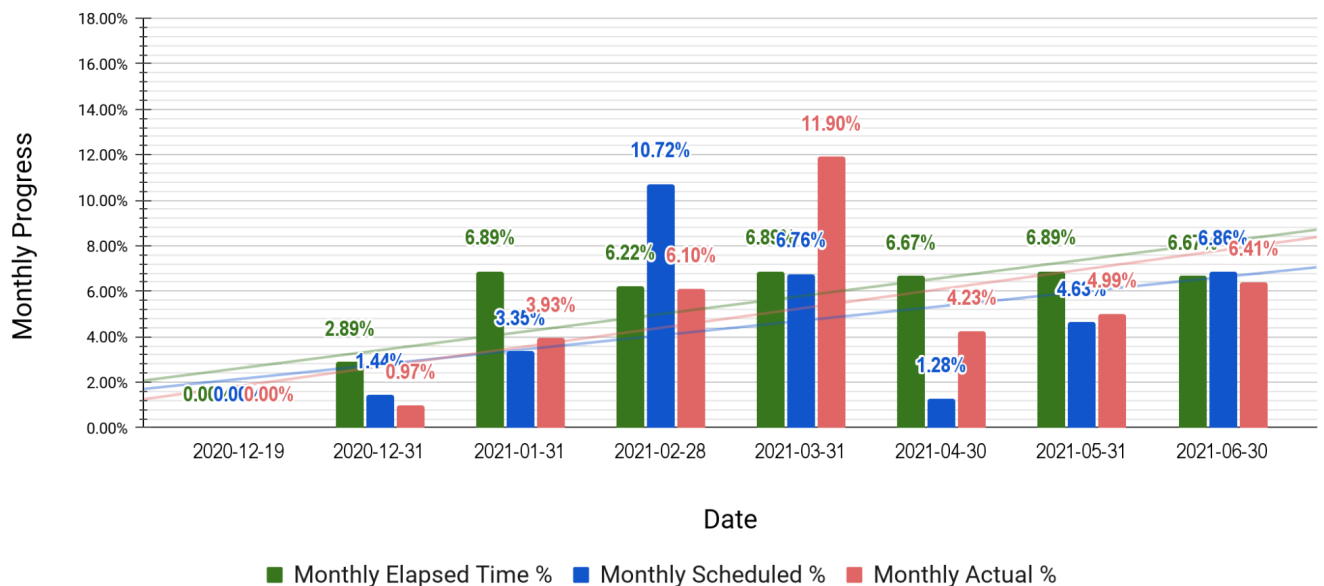
**Cumulative Progress**



### 7.3 Al Khansa'a Basic Mixed School – Balqa

Package 1 Al Khansa'a Basic Mixed - Balqa			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.89%	1.44%	0.97%
2021-01-31	6.89%	3.35%	3.93%
2021-02-28	6.22%	10.72%	6.10%
2021-03-31	6.89%	6.76%	11.90%
2021-04-30	6.67%	1.28%	4.23%
2021-05-31	6.89%	4.63%	4.99%
2021-06-30	6.67%	6.86%	6.41%

**Package 1 Al Khansa'a Basic Mixed - Balqa**  
**Monthly Progress**



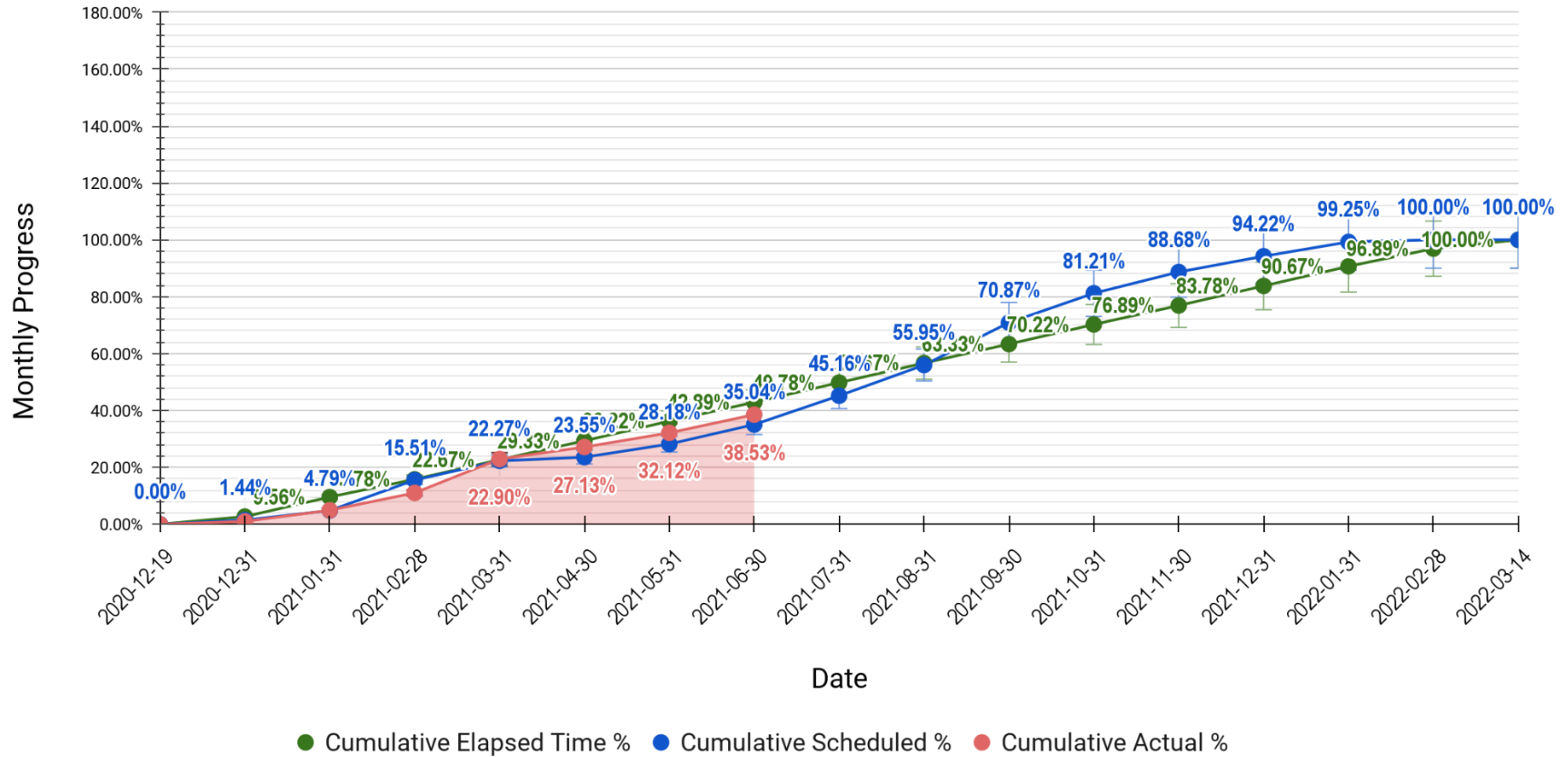
Package 1 Al Khansa'a Basic Mixed - Balqa			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.67%	1.44%	0.97%
2021-01-31	9.56%	4.79%	4.90%
2021-02-28	15.78%	15.51%	11.00%
2021-03-31	22.67%	22.27%	22.90%
2021-04-30	29.33%	23.55%	27.13%
2021-05-31	36.22%	28.18%	32.12%

**Package 1 Al Khansa'a Basic Mixed - Balqa**  
**Cumulative Progress**



### Package 1 Al Khansa'a Basic Mixed - Balqa

#### Cumulative Progress

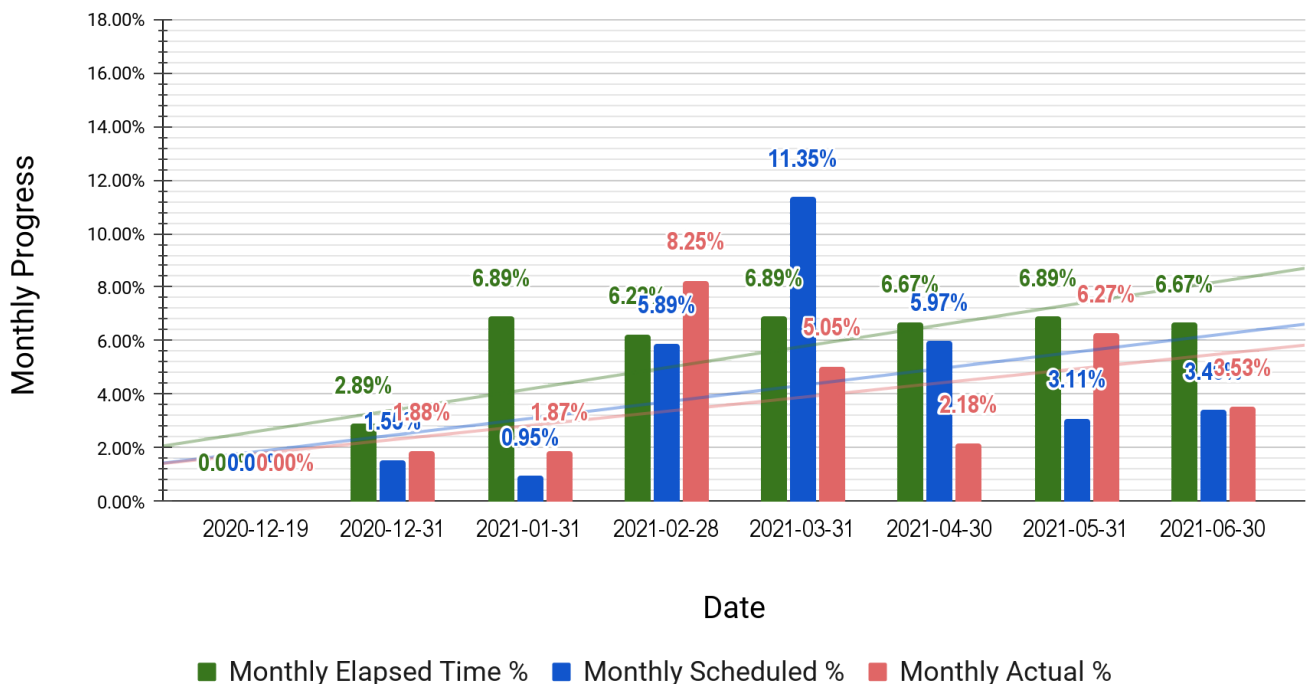


## 7.4 Khadija Bint Khwailed Basic Mixed School- Balqa

Package 1 Khadija Bint Khwailed Basic Mixed - Balqa			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.89%	1.55%	1.88%
2021-01-31	6.89%	0.95%	1.87%
2021-02-28	6.22%	5.89%	8.25%
2021-03-31	6.89%	11.35%	5.05%
2021-04-30	6.67%	5.97%	2.18%
2021-05-31	6.89%	3.11%	6.27%
2021-06-30	6.67%	3.40%	3.53%

### Package 1 Khadija Bint Khwailed Basic Mixed - Balqa

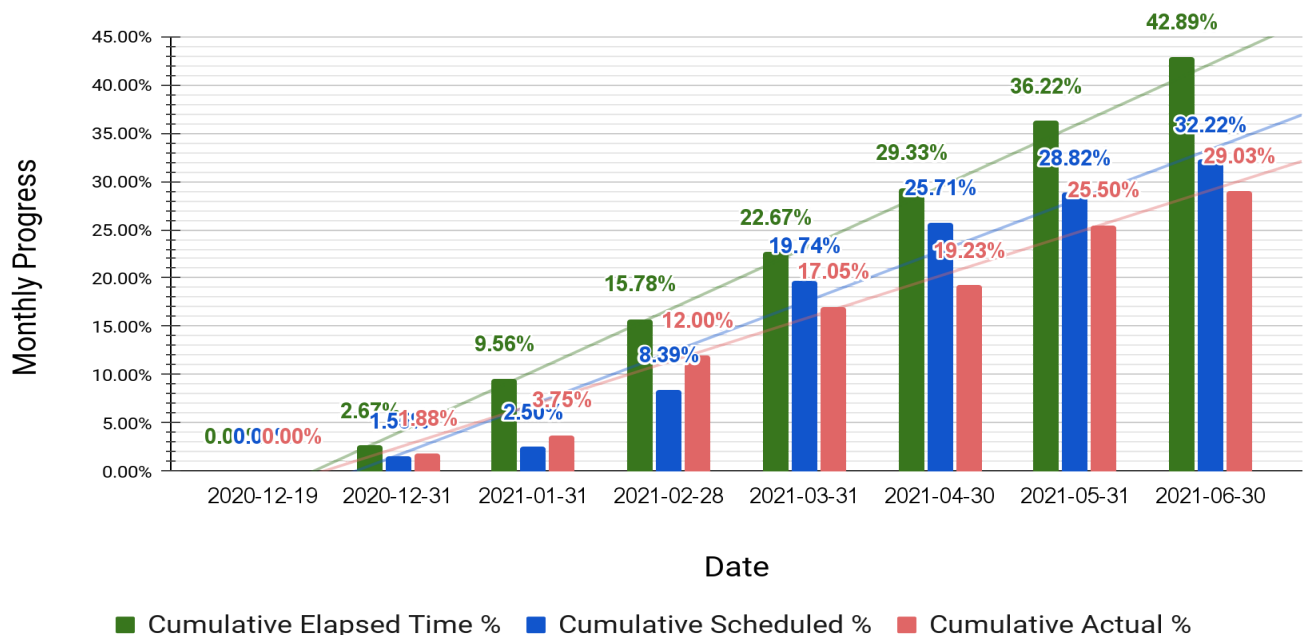
#### Monthly Progress



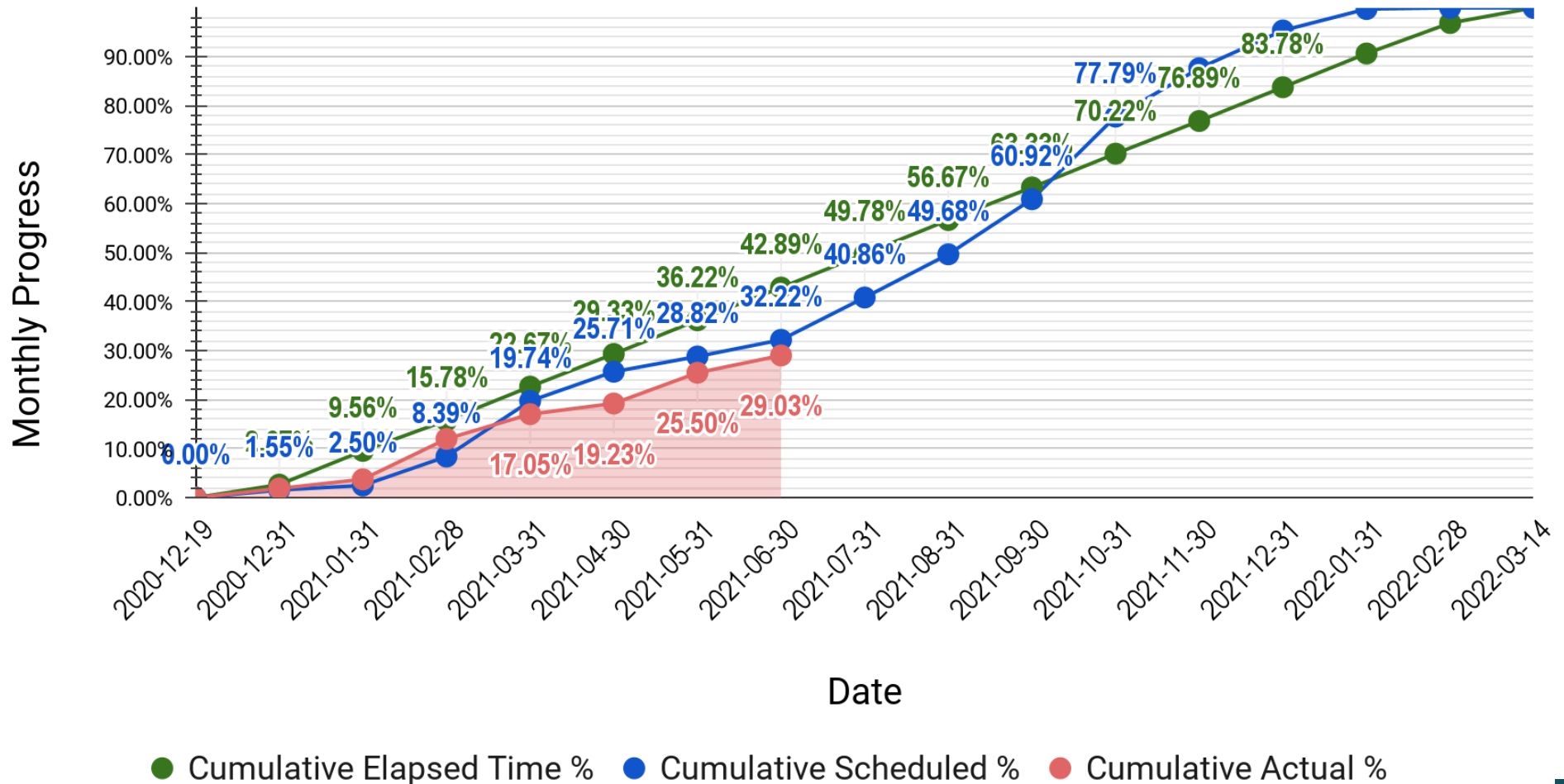


Package 1 Khadija Bint Khwailed Basic Mixed – Balqa			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-12-19	0.00%	0.00%	0.00%
2020-12-31	2.67%	1.55%	1.88%
2021-01-31	9.56%	2.50%	3.75%
2021-02-28	15.78%	8.39%	12.00%
2021-03-31	22.67%	19.74%	17.05%
2021-04-30	29.33%	25.71%	19.23%
2021-05-31	36.22%	28.82%	25.50%
2021-06-30	42.89%	32.22%	29.03%

**Package 1 Khadija Bint Khwailed Basic Mixed - Balqa**  
**Cumulative Progress**



## Package 1 Khadija Bint Khwailed Basic Mixed - Balqa Cumulative Progress



## 7.5 Engineer comments on work progress

### A. Average for the three schools:

The cumulative progress -as average- for the three schools at the end of this month:

Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2021-06-30	42.89%	36.67%	32.52%

The difference Between Scheduled and Actual is **-4.15%**

### B. Um Al Dananir Basic Mixed - Balqa :

The cumulative progress -as average- for this site at the end of this month:

Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2021-06-30	42.89%	42.75%	30.00%

The difference Between Scheduled and Actual is **-12.75%**

### C. Al Khansa'a Basic Mixed - Balqa:

The cumulative progress -as average- for this site at the end of this month:

Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2021-06-30	42.89%	35.04%	38.53%

The difference Between Scheduled and Actual is **3.49%**

**D. Khadija Bint Khwailed Basic Mixed - Balqa:**

The cumulative progress -as average- for this site at the end of this month:

Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2021-06-30	42.89%	32.22%	29.03%

The difference Between Scheduled and Actual is **-3.19%**

In accordance with the above, the contractor will be drawn to override the delay at the end of this month, to approach the cumulative progress scheduled at the end of next month.

## 8 | Submitted Materials

### 8.1 Summary of Submitted Materials

#### PKG 1 Summary of Submitted Materials

Summary of Submitted Materials	Total No. of Materials to be Submitted	Total No. of Submitted Materials	Submitted Materials (%)	Non Submitted Materials (%)
Structural	20	17	85%	15%
Architectural	49	22	45%	55%
Electrical	27	25	93%	7%
Mechanical	53	42	79%	21%

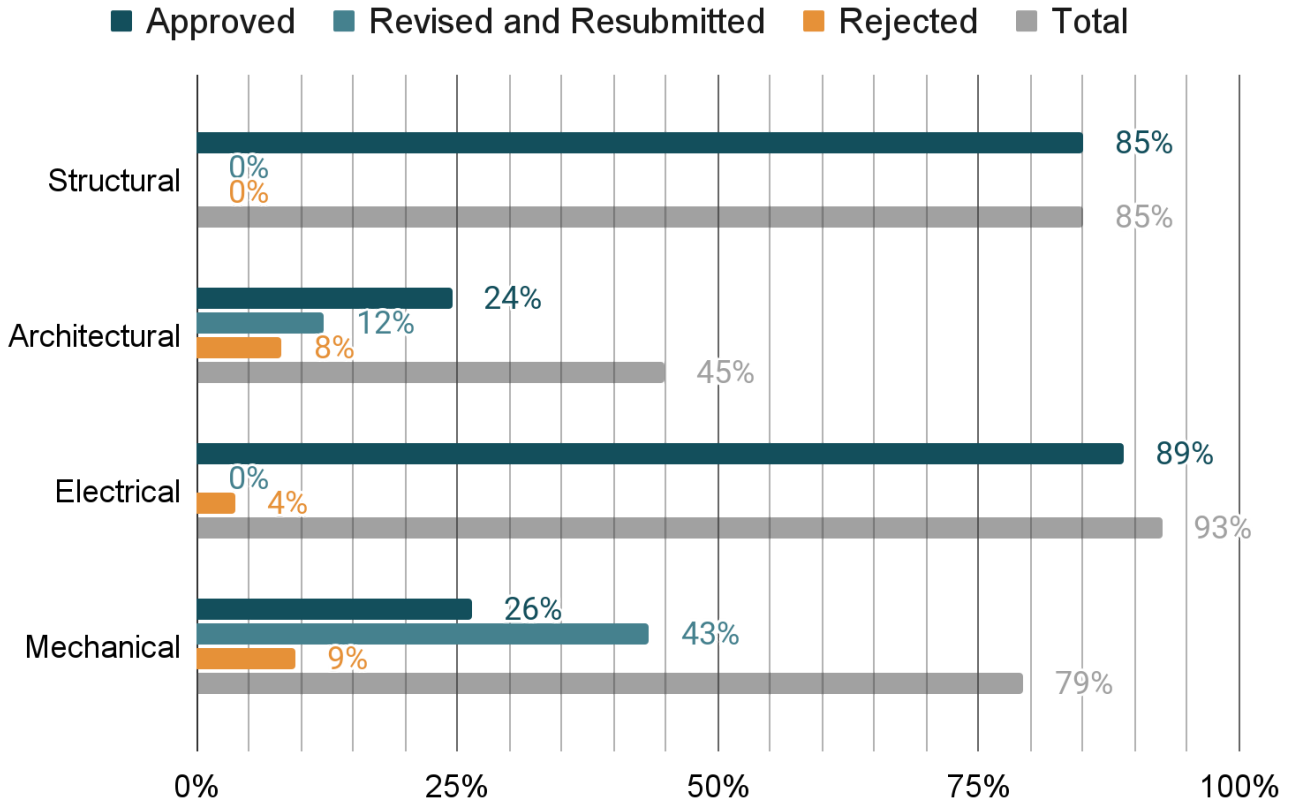
#### PKG 1 Summary of Submitted Materials (No.)

Item	Approved	Revised and Resubmitted	Rejected	Total
Structural	17	0	0	17
Architectural	12	6	4	22
Electrical	24	0	1	25
Mechanical	14	23	5	42

#### PKG 1 Summary of Submitted Materials (%)

Item	Approved	Revised and Resubmitted	Rejected	Total
Structural	85%	0%	0%	85%
Architectural	24%	12%	8%	45%
Electrical	89%	0%	4%	93%
Mechanical	26%	43%	9%	79%

### PKG 1 Summary of Submitted Materials



### 8.2 Shop Drawings & Submittal Tracking LOG

- <https://docs.google.com/spreadsheets/d/1bzxpwiNVNxOARqs29mTSy-HT0THKUv9wXfVV8RCKQkl/edit?usp=sharing>

### 8.3 Materials Submittal Vendor List

- <https://docs.google.com/spreadsheets/d/1BzuzY1cSKShBkd1Lt5RIBGZb9vym-tq87OoT9CBnXqk/edit?usp=sharing>

## 9 | Correspondence Tracking Logs

- [https://docs.google.com/spreadsheets/d/1zE5-6nHbafP\\_ZDQWh8LdkaTOY3Hu6QzGJlPwpCuKzfk/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1zE5-6nHbafP_ZDQWh8LdkaTOY3Hu6QzGJlPwpCuKzfk/edit?usp=sharing)

## 10 | Non-conformance Report Tracking Log

### 10.1 HSE

- <https://docs.google.com/spreadsheets/d/10Aa3npBxOb-wOd-4210a6wev5wQBPXrInFpBS8NbZc8/edit?usp=sharing>

### 10.2 QCs

#### Um-Al Dananir Basic Mixed School-Balqa

- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_95e502375b0049988cfc31a89a65f725.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_95e502375b0049988cfc31a89a65f725.pdf)
- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_eb63ac7cc3904b9abd3c177770be25ee.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_eb63ac7cc3904b9abd3c177770be25ee.pdf)
- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_a5bed82f2f65425e92d6cac982097584.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_a5bed82f2f65425e92d6cac982097584.pdf)
- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_dc9271608d274e468da310d5c82df3c3.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_dc9271608d274e468da310d5c82df3c3.pdf)
- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_79a022b4b8d648998eb1e90d68417a61.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_79a022b4b8d648998eb1e90d68417a61.pdf)
- [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_4488d9e64b524451a802b3c94ed30776.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_4488d9e64b524451a802b3c94ed30776.pdf)

- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_843c08844e4843e1a17fab223b3bb5f2.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_843c08844e4843e1a17fab223b3bb5f2.pdf)

## **Al Khansa' Basic Mixed School- Balqa**

- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_3df1cb9167a44ead828afb50d1e03462.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_3df1cb9167a44ead828afb50d1e03462.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_55d0ccfa1fb5431f983b66e1c868a836.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_55d0ccfa1fb5431f983b66e1c868a836.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_6a2a055bf5e547fbbdf2f5f7d1abf90.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_6a2a055bf5e547fbbdf2f5f7d1abf90.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_fba1393c9a84eca80d5201cd99ca750.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_fba1393c9a84eca80d5201cd99ca750.pdf)

## **Khadija Bint Khwailed Basic Mixed School- Al Shouna Al Janoubia**

- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_d1ad165f5a7e4200b9795f06ff305021.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_d1ad165f5a7e4200b9795f06ff305021.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_29d09e4a42a84e64af0cc5c39cd84ec1.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_29d09e4a42a84e64af0cc5c39cd84ec1.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_74a56ac0b7f646e48fce9594565434b4.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_74a56ac0b7f646e48fce9594565434b4.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178\\_7e5d9234db994914b5191928b2091cdc.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/c80178_7e5d9234db994914b5191928b2091cdc.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_d4bbbc0d96634780a1ffe22a300a2912.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_d4bbbc0d96634780a1ffe22a300a2912.pdf)



- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_3b8345e57b01415f87a5aa6683169f19.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_3b8345e57b01415f87a5aa6683169f19.pdf)
- ❑ [https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180\\_0e049bc7a8964766a20da3e296250fdc.pdf](https://b9686515-2954-4919-832c-2c36b1d1850f.filesusr.com/ugd/bed180_0e049bc7a8964766a20da3e296250fdc.pdf)

### 10.3 NCRs

- ❑ <https://docs.google.com/spreadsheets/d/e/2PA-CX-1vSnOu-cjpMgCuNli-kgJGVM0U9qKnc3ahiGgSdQj9c01v9UmbwwjKul-WbxeeY1ScCmcVnJJyN58Ggo/pubhtml?gid=0&single=true>
- ❑ <https://docs.google.com/spreadsheets/d/e/2PA-CX-1vSnOu-cjpMgCuNli-kgJGVM0U9qKnc3ahiGgSdQj9c01v9UmbwwjKul-WbxeeY1ScCmcVnJJyN58Ggo/pubhtml?gid=485613624&single=true>
- ❑ <https://docs.google.com/spreadsheets/d/e/2PA-CX-1vSnOu-cjpMgCuNli-kgJGVM0U9qKnc3ahiGgSdQj9c01v9UmbwwjKul-WbxeeY1ScCmcVnJJyN58Ggo/pubhtml?gid=381015841&single=true>

## 11 | Request For Information Tracking Logs

### 11.1 RFIs-Designer

- ❑ [https://docs.google.com/spreadsheets/d/1iV43JzFoUsZ\\_Oq8n7pZwMbknq8e5GFKrhekNhvnWEJE/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1iV43JzFoUsZ_Oq8n7pZwMbknq8e5GFKrhekNhvnWEJE/edit?usp=sharing)

### 11.2 RFIs-Contractor

- ❑ <https://docs.google.com/spreadsheets/d/16pkRtBpngVrE7rtW9YWs9BkJ6aA88SuOhCBo87tYA4A/edit?usp=sharing>

## 12 | Site problems and Solutions

### 12.1 Um-Aldananir Basic Mixed School- Balqa

- 1- Eastern existing street is encroaching into our project land and this will affect the construction of the following:
  - The eastern boundary wall
  - The harvesting rain water tank.
  - Transformer location
- 2- Residential building on plot 416 is at our plot boundary.

**Solution:**

- Letters were sent to MPWH in this regard.
- MPWH addressed both MOE and MOL.
- MPWH addressed the Ministry of Local Administration on 09/05/2021 saying that the construction works will be executed as per design, and that they must close the street for this purpose.
- MPWH addressed the Water Authority to remove or relocate the existing sewerage outside the school plot.

Everything is awaiting the Employer's instructions.

## 13 | Meetings and Site Visits

### 13.1 Coordination & Progress Meetings

Coordination & Progress Meetings				
No.	Date	Location	Parties	Agenda
1	29/06/2021	Jumana Bint Abi Taleb Basic Mixed School- Amman	<ul style="list-style-type: none"> <li>● MPWH</li> <li>● USAID</li> <li>● Trigon</li> <li>● Wahib Medanat</li> <li>● Derar Saraireh Eng &amp; Contr.</li> </ul>	<p><b>Monthly Progress Meeting:</b></p> <p><b>1- For Each Package:</b></p> <ul style="list-style-type: none"> <li>● Site staff training</li> <li>● Health &amp; Safety</li> <li>● Package Time &amp; Duration</li> <li>● Contract &amp; VOs</li> <li>● Cash Flow</li> <li>● Submitted Materials</li> <li>● Package, Monthly &amp; Cumulative Progress</li> </ul> <p><b>2- For Each Site:</b></p> <ul style="list-style-type: none"> <li>● Site Elements</li> <li>● Time &amp; Duration</li> <li>● Monthly &amp; Cumulative Progress</li> <li>● Site Obstacles</li> <li>● Quality Control Non Conformance</li> <li>● Pictures showing work progress</li> </ul>

## June Monthly Progress Meeting, June 29, 2021– Jumana Bint Abi Taleb Basic Mixed School- Amman

(Refer to 13.1 Coordination & Progress Meetings Table)

### Minutes of Meeting

#### Subject: Monthly Progress Meeting – SKEP III

**Location:** Jumana Bint Abi Taleb Basic Mixed School- Marka  
**Date:** June 29, 2021  
**Time:** 11:00 AM

**Present:**

1. Eng. Ola Nababteh, Engineer at IFP, MPWH
2. Eng. Abeer Abu Taha at IFP, MPWH
3. Eng. Tarek Rashdan, PMS, USAID
4. Eng. Osama Obaid, SCM, CMTO
5. Eng. Wahib Medanat, General Manager, Medanat
6. Eng. Suhair Amarin, Project Director, Medanat
7. Eng. Natheer Amarin, Project Manager, Medanat
8. Eng. Hassan Shaqboua, Quality Manager, Medanat
9. Eng. Mahmoud Maghnam, Resident Engineer – PKI, Medanat
10. Eng. Khaled Bazian, Project Manager, Dirar Al Saraireh
11. Eng. Yousef Abu Znaimeh, Planning Engineer Dirar Al Saraireh



WAHIB  
MEDANAT  
consultant engineers  
مهندسون استشاريون

The Purpose of the Meeting is to follow up the Progress of the Project and to discuss different issues.

At the beginning, Suhair welcome the attendees and gave an Introduction about the purpose of the meeting.

### Package I

#### 1. Training

Wahib gave a brief about training sessions conducted at the last month for the staff working in the project from both Engineer & contractor including fresh graduates, and talked about the subject of the sessions conducted and future training plans.

#### 2. Health, Safety and Environment

Wahib stated that the Contractor abides with the Contract requirements regarding health, safety and environment and the protective measures for COVID-19 are implemented in all of the project sites.

#### 3. Time & Duration

- 3.1 Wahib gave a brief about the Contract Duration, Commencement Date, completion date, and that no time extensions approved up to date so that the completion date is on 14/03/2022.
- 3.2 Wahib stated that the elapsed time up to date is 193 C.D, which represents 42.89% of the project duration.

## Minutes of Meeting

### Subject: Monthly Progress Meeting – SKEP III



#### 4. Contract Value & V.O's

- 4.1 Wahib gave a brief about contract value and variation orders and that one VO approved up to date.

#### 5. Cash Flow

- 5.1 Wahib presented the cash flow and interim invoices up to date.
- 5.2 Wahib commented on the 3 months ahead forecasted payments given by contractor, and he requested the contractor to give the net value of the expected payment by deducting the advanced payment recovery and the retention.

#### 6. Status of Submittals

- 6.1 Wahib gave a brief about the submitted materials and percentage of submitted, approved, and rejected material submittals compared by the total number of submittals to be submitted.
- 6.2 Wahib said that the submittals will be tracked with the work schedule and that the Engineers in the last training workshop have been trained to track the items in details to predict any effect of delay in submittals on the work schedule.
- 6.3 Suhair said that this tracking is under processing and evaluation and as it is ready, it will be sent to the parties, this will be useful to have such tracking procedure to help all parties.

#### 7. Monthly & Cumulative Progress

- 7.1 Wahib presented the CPM diagram showing a comparison between the accumulative actual progress (32.58%) for the whole package which shows a delay compared with the planned percentage (36.67%).
- Um Al Dananir School: actual monthly progress is 5.00%, the planned percentage is 9.23%. Actual accumulative progress is 30%, the planned percentage 42.75%.
  - Al Khansa' School: actual monthly progress is 6.41%, the planned percentage is 6.86%. Actual accumulative progress is 38.53%, the planned percentage 35.04%.
  - Khadija School: actual monthly progress is 3.53%, the planned percentage is 3.40%. Actual accumulative

## Minutes of Meeting

### Subject: Monthly Progress Meeting – SKEP III



progress is 29.03%, the planned percentage 32.22%.

7.2 Wahib said that the contractor must justify the delay occurred for the 3rd Month at Um Al Danair site, as the delay is 12.75%.

7.3 Khalid said that the delay is due to the unsolved obstacles which prevent the contractor from working in external works.

7.4 Mahmoud said that the delay is not only in external works, there is a clear delay in the main building.

#### 8. Site Obstacles

8.1 The plot limits Um Al Danair School where the current street and an encroaching neighbor's wall inside the school plot.

8.2 Eng Ola said that a letter will be issued very soon for the neighbor encroachment by instructions to proceed the works.

8.3 Eng Ola said that for the street encroachment, they contacted MOE, and they will provide MPWH by the new organizing plan from Municipality, and just MPWH receive the new plan it will be sent for redesign.

8.4 Khalid said that the obstacles should be solved to allow DSS to continue their works without any interruptions.

8.5 Natheer said that the expected effect of the change on the site plan will be shifting the guard room and transformer and parking area.

#### 9. Quality Control

9.1 Hasan presented photos from the sites as a sample of the work quality and repair process.

9.2 Osama asked about the defected column at Khadija site and Mahmoud said that the column has been checked by surveyor and it is in position, and the defect corrected using approved repair materials.

9.3 Osama commented on a photo of one column at Um Al Danair site, and Khalid said that the defect is in the connection through the slab, due to improper shuttering, and will not affect the continuity of the column.





June Monthly  
Progress  
meeting-  
Jumana Bint  
Abi Taleb  
Basic Mixed  
School-  
Amman

Eng.  
Mahmoud/Medanat  
RE gave a brief  
overview of Um Al  
Dananir obstacles



Eng. Wahib  
made a  
presentation  
on:

- Site staff training
- Health & Safety
- Package Time & Duration
- Contract & VOs
- Cash Flow
- Submitted Materials
- (Scheduled and actual) progress percentages

## 13.2 Site Visits

Site Visits				
No.	Date	Location	Parties	Agenda
1	14/06/2021	Um Al Dananir Basic Mixed School- Al Balqa	<ul style="list-style-type: none"> <li>• MPWH, Eng. Eman Al-Hyari, Eng. Basema Shehan, Eng. Ola Nababteh</li> <li>• USAID, Eng. Tareq Rashdan</li> <li>• Trigon, Eng. Maysoon Al-Hyari, Eng. Abdulaziz Abu Windi</li> <li>• Wahib Medanat</li> <li>• Derar Saraireh Eng &amp; Contr.</li> </ul>	<ul style="list-style-type: none"> <li>• Discussing the encroachment from the street on the school plot (eastern side).</li> <li>• Last update from the Ministry of Local Administration that a committee will meet this week and take the final decision, the design will be modified accordingly if needed.</li> <li>• Discussing the encroachment from Neighbor (Plot #416) on the school plot limits (southwestern side).</li> <li>• Pointing out some recommendations by Medanat representatives (in letter # 368-1/1/1769 dated in 7/6/2021) regarding land #416 encroachments, visitors observed the current situation and site conditions to agree on one of the options given by Medanat.</li> <li>• Visitors observed an area at the western side that will be wasted between the existing and new school (belongs to MOE), a study will be sent to MPWH to take advantage of this area.</li> <li>• The visitors also checked the quality of the executed works.</li> </ul> <p>A site meeting was held immediately after the site visit, the purpose of the meeting was to discuss the following site obstacles:</p> <ul style="list-style-type: none"> <li>• Existing street encroaching on the easter side of the site.</li> </ul>

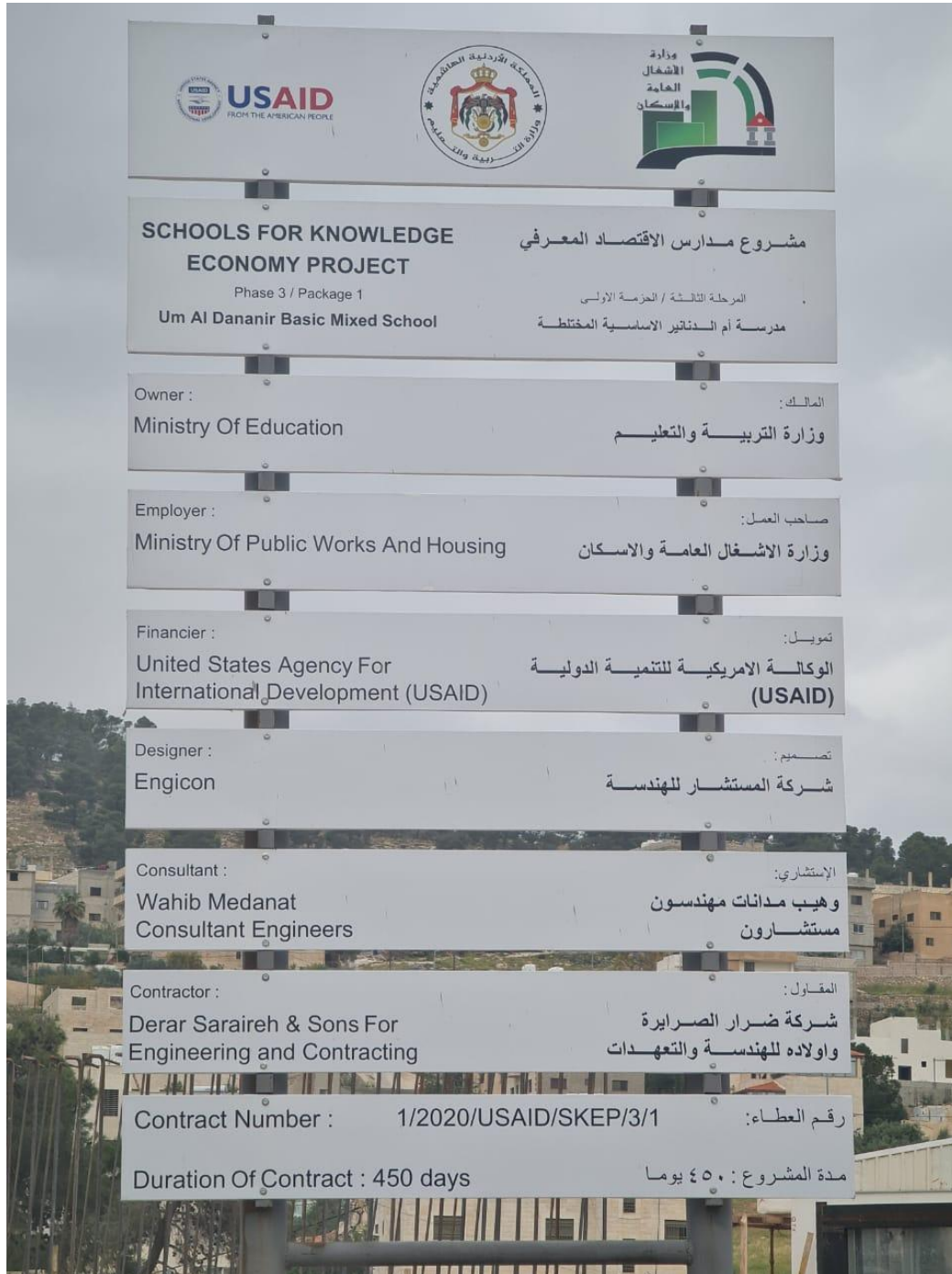


				<ul style="list-style-type: none"> <li>An encroaching neighbor's building on the south-west side.</li> </ul>
2	15/06/2021	<p>Um Al Dananir                      Basic Mixed                      School- Al                      Balqa</p> <p>Trigon                      Workshop</p>	<ul style="list-style-type: none"> <li>Trigon, Eng. Osama Obaid, Eng. Diana Abu Saleh, Eng. Talid Hamdan</li> <li>Wahib Medanat</li> <li>Derar Saraireh Eng &amp; Contr.</li> </ul>	<ul style="list-style-type: none"> <li>Checking Quality and work progress.</li> <li>The visitors asked if there are any obstacles or pending issues that might affect the progress.</li> <li>The visitors commented that the quality of work is very good.</li> <li>The visitors checked the availability of the project documentation, forms and logs at the Site Engineer office, and found it complete in both the consultant's and contractor's office.</li> <li>The visitor checked the health, safety, and environment status in the site.</li> <li>Workshop Titled: How can Site Engineers use Construction Schedule on Site? Presented by Trigon/CMTO Team: Eng. Osama Obeid and Eng. Diana Abu Saleh</li> <li>Brief Summary: the presentation included three parts:                             <ul style="list-style-type: none"> <li>Part 1: Explained how the construction schedule is produced by the Planning Engineer; this part included implementing schedule as a contractual requirement,</li> </ul> </li> </ul>

				<p>importance and the benefits gained from the schedule, defining the schedule and how it is produced by using the critical path method.</p> <ul style="list-style-type: none"> <li>- Part 2: Explained how to manage site activities using a practical schedule by the site team; this part included how to derive a practical schedule from the Master schedule, home office support (engineering and procurement department), how to update the practical schedule by site engineers, how to assess the work progress by site team, regular meetings between Supervision and Contractor site teams, elements impacting the construction schedule and the need for a corrective action plan.</li> <li>- Part 3: included some scheduling tips, discussions and questions.</li> </ul>
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Site Visit, June 14, 2021– Um Al Dananir Basic Mixed School – Al Balqa

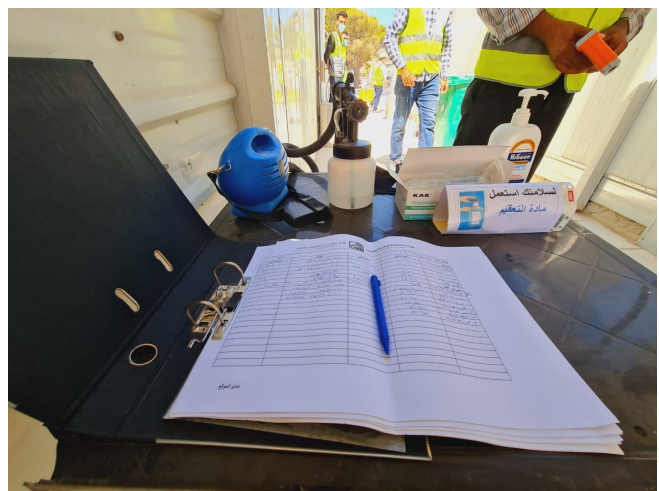
(Refer to 13.2 Site Visits Table)



Project ID  
Sign on  
Site



Temperature check, sterilization and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol





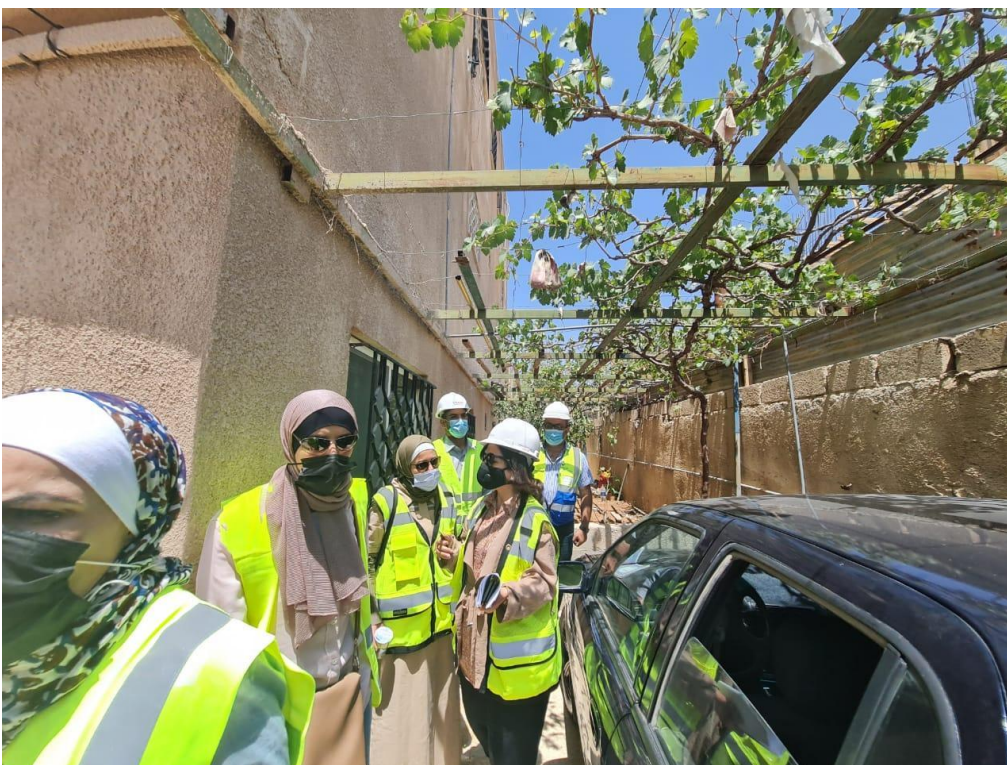


Discussing the encroachment from the street on the school plot (eastern side)





Discussing the encroachment from Neighbor's building (Plot #416) on the school plot limits (southwestern side) in accordance with Medanat recommendations (in letter # 368-1/1/1769 dated in 7/6/2021) regarding land #416 encroachments,







A tour inside the site was conducted





A site meeting was held immediately after the site visit, the purpose of the meeting was to discuss the following site obstacles:

- Existing street encroaching on the easter side of the site.
- An encroaching neighbor's building on the south-west side.

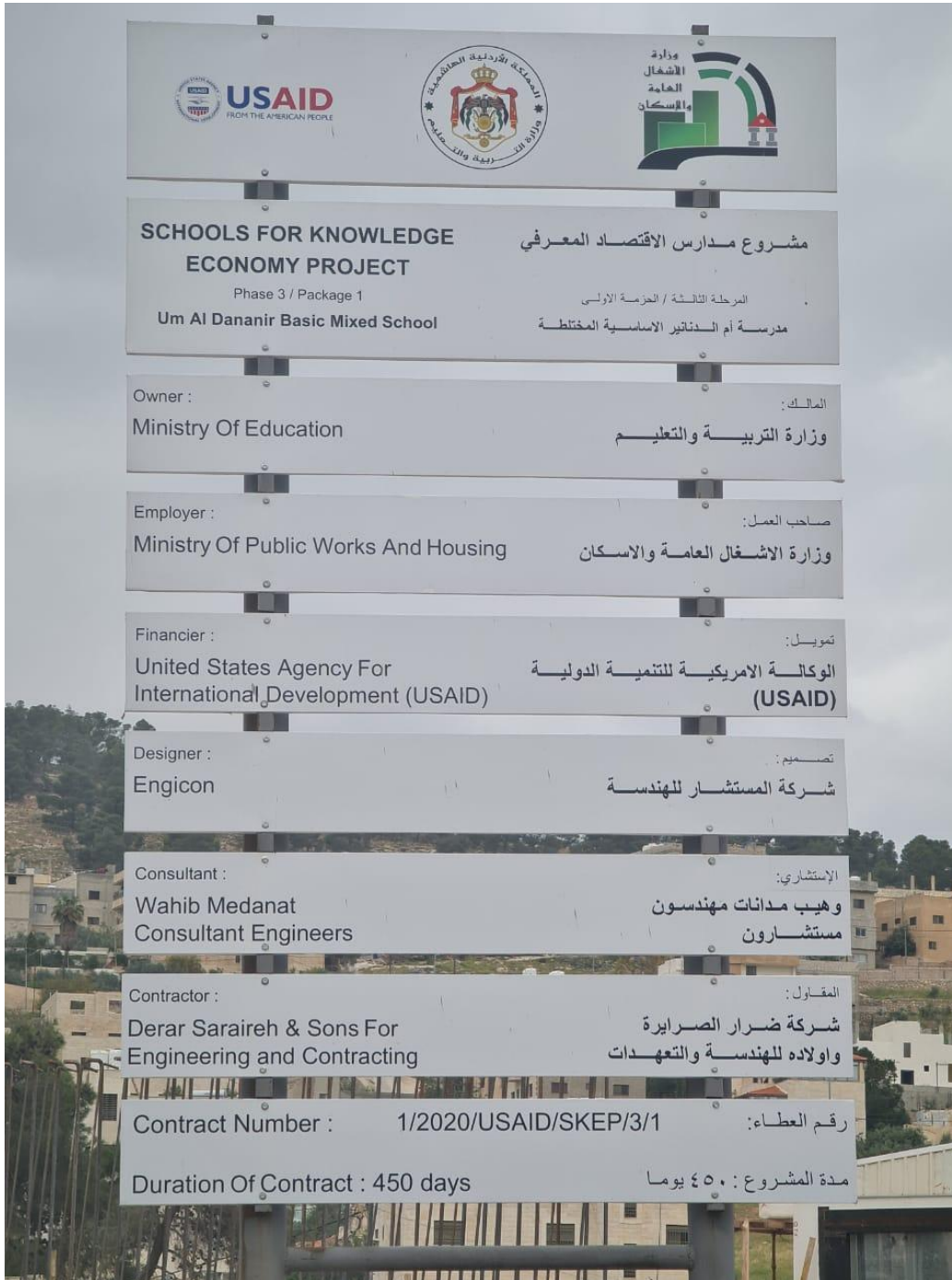




Trigon Visit, June 15, 2021– Um Al Dananir Basic Mixed School – Al Balqa

(Refer to 13.2 Site Visits Table)

Project ID  
Sign on  
Site





Temperature check, sterilization and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol





Eng. Osama stresses on the importance of using polystyrene while working with conduits to avoid chipping in concrete



Discussing the encroachment from the street on the school plot (eastern side)



Site engineer gives a brief description about the school components



Discussing the quality of concrete walls behind stone at basement level





Checking safety measures beside excavation trench and the execution of insulation at vertical element



Observing scaffolding

**Trigon Workshop, June 15, 2021– Um Al Dananir Basic Mixed School – Al Balqa (Refer to 13.2 Site Visits Table)**

No	Name	Title	Firm
1	Osama Obeid	Sr. Construction Manager	CMTO/Trigon
2	Diana Abu Saleh	Projects Control Engineer	CMTO/Trigon
3	Talid Hamdan	Intern Architect	CMTO/Trigon
4	Suhair Amareen	Project Director	Medanat
5	Natheer Amareen	Project Manager	Medanat
6	Hassan Shaqbua	Quality Control Manager	Medanat
7	Mahmoud Maghnam	Resident Engineer	Medanat
8	Saddam Baqaeen	Site Engineer	Medanat
9	Qais Malak	Site Engineer	Medanat
10	Taher Rabie	Site Engineer	Medanat
11	Abdullah Al-Zu'bi	Safety Manager	Medanat
12	Saba Amareen	Quantity Surveyor	Medanat
13	Areen Khreisat	Fresh Graduate	Medanat
14	Khaled Jahaleen	Fresh Graduate	Medanat
15	Maram Abuawwad	Fresh Graduate	Medanat
16	Amro Al Saraireh	Owner of the company	DSS
17	Khaled Bazian	Package manager	DSS
18	Omar Abu Hamour	Site Engineer	DSS
19	Anas Shdarfat	Site Engineer	DSS
20	Rami Al Haj	Site Engineer	DSS
21	Yousef Abu Znaimh	Planning Engineer	DSS
22	Anas Omran	Safety Engineer	DSS
23	Muayyad Al Jbour	Safety Officer	DSS
24	Dema Dababseh	Fresh Graduate	DSS
25	Abdallah Al Dabbas	Fresh Graduate	DSS



**Presenters:**

Eng. Diana Abu  
Saleh/ CMTO



Eng. Osama Obaid/  
CMTO





Participants





### 13.3 Regular Monthly Site Visits (Home Office Support)

Regular Monthly Sits Visits (Home Office Support)				
1	08/06/2021	Khadija Bint Khwailed Basic Mixed School- Al Shouna Al Janoubia	<ul style="list-style-type: none"> <li>• Engineer Rep.</li> </ul>	<ul style="list-style-type: none"> <li>• Casting for the second floor slab was going on during the visit. The visitors observed the process of the casting and gave remarks to the site staff.</li> <li>• One column was defected during casting. Repair was conducted by chipping and using approved material.</li> <li>• Block work in the school has not started yet.</li> <li>• The boundary wall which shall be adjacent to the neighbor should start since the Contractor received the approval before a long time. Leaving the excavated area sun exposed might cause defects in the soil stability.</li> <li>• The columns at zones B and C should start.</li> <li>• Design for the formwork system should be submitted by Contractor for roof slab-zone C.</li> <li>• The Contractor was informed that once the first stone layer is checked and approved, stone building can continue up to the level of window sills to avoid delay during the checking of the workshop drawings.</li> <li>• Discussion with the Contractor as follows:</li> </ul>

				<ul style="list-style-type: none"><li>- Submittals were discussed.</li><li>- The Contractor expressed his satisfaction with the Engineers' quick response regarding block workshop drawings, which accelerated works.</li><li>- Work progress as per Contractor's work schedule</li></ul>
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2	08/06/2021	Al Khansa' Basic Mixed School- Al Balqa	<ul style="list-style-type: none"> <li>• Engineer Reps.</li> </ul>	<ul style="list-style-type: none"> <li>• Visual inspection has been conducted at the delivered building stone. The chiseling for the number of observed stones is not accepted. The texture should be applied to the whole stone up to edges.</li> <li>• Open ribs blocks should be closed to avoid filling those blocks with concrete during roof casting.</li> <li>• The contractor was informed that once the first stone layer is checked and approved, stone building can continue up to the level of window sills to avoid delay during the checking of the workshop drawings.</li> <li>• Discussions with the Contractor were conducted regarding the contradiction between mechanical shaft and main beam at roof. The Contractor was requested to submit a proposal to cancel the contradiction. One proposal might be tilting the beam.</li> <li>• The consultant stressed on the issue of curing. More preparations and care should be implemented.</li> <li>• It was observed at more than one location that casted columns and block walls are not in line together. Deviations reaching a few centimeters in some cases were observed. The Contractor was requested to take care</li> </ul>
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				<p>and avoid more defects specially plastering work.</p> <ul style="list-style-type: none"> <li>• One location of "Fire Hose Reel Cabinet " was checked and remarks were given to the Contractor regarding the finishing of the double wall.</li> <li>• It was observed that the Contractor provided a special container for mixing of mortar used for block work building.</li> </ul>
3	15/06/2021	Um Al Dananir Basic Mixed School- Balqa	<ul style="list-style-type: none"> <li>• Engineer Rep.</li> </ul>	<ul style="list-style-type: none"> <li>• The office support team checked construction works and project physical progress.</li> <li>• The quality of executed works have been checked on site for the following works:                             <ul style="list-style-type: none"> <li>- Concrete walls behind stone</li> <li>- Vertical elements (columns &amp; shear walls of Basement Floor and zone B ground floor)</li> <li>- Backfilling works</li> <li>- Excavation of west boundary wall</li> </ul> </li> <li>• Ongoing activities were also checked as following:                             <ul style="list-style-type: none"> <li>- Reinforcement works for the ground floor slab zone A</li> </ul> </li> </ul>

				<ul style="list-style-type: none"><li>- Casting works for last vertical elements of ground floor zone A</li><li>- De-shuttering of basement slab Zone B</li><li>• Other remarks:<ul style="list-style-type: none"><li>- Teething has been observed at the elevations in more than one location.</li><li>- Columns, beams at the edge and walls are not exactly in line together, differences were observed.</li><li>- The differences are within the space allocated for stone and backing concrete.</li><li>- Chipping might be needed in some locations.</li><li>- Office support attended the workshop held by Trigon</li></ul></li></ul>
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**Home Office Support, June 08, 2021– Khadija Bint Khwailed Basic Mixed School- Al Shouna Al Janoubia**

(Refer to 13.3 Site Visits Table)



**SKEP III Home Office Support Site Visit Report**

**WAHIB  
MEDANAT**  
consultant engineers

Consultant	Wahib Medanat Consultant Engineer	Rep No.	13-08062021
Contractor	Derar Saraireh & Sons for Engineering & Contracting	Tender No.	(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)
Site Name	Khadija Bint Khwailed Basic Mixed School- Shouna Janoubia	Day/ Date	Tue. 08/06/2021
Duration of Project	450 Calendar Days	Total Project Budget	9,789,417.840 JD

No.	Visitors		Remarks
1	Suhair Amarin	- Project Dir./Head of Architectural Department	
2	Omar Elayan	-Senior Civil Engineer	
3	Akram Khammes	- Head of Electrical Department	
4	Marwan Sonna'a	-Head of Mechanical Department	
5	Hasan Shaqboua	-Quality Control Manager	

Visit Notes

No.	Description
1	Casting for second floor slab was going on during the visit. The visitors observed the process of the casting and gave remarks to the site staff.
2	One column was defected during casting. Repair was conducted by chipping and using approved material.
3	Block work in the school has not started yet.



SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers

4	The boundary wall which shall be adjacent to neighbor should start since the Contractor received the approval before long time. Leaving the excavated area sun exposed might cause defects in the soil stability.
5	The columns at zones B and C should start.
6	Design for formwork system should be submitted by Contractor for roof slab-zone C.
7	The Contractor was informed that once the first stone layer is checked and approved, stone building can continue up to the level of window sills to avoid delay during the checking of the workshop drawings.
8	- Discussion with the Contractor as follows: <ul style="list-style-type: none"><li>• Submittals were discussed.</li><li>• The Contractor expressed his satisfaction with the Engineers' quick response regarding block work shop drawings, which accelerated works.</li><li>• Work progress as per Contractor's work schedule.</li></ul>



SKEP III Home Office Support Site Visit Report

**WAHIB  
 MEDANAT**  
 consultant engineers



Project ID Sign on Site





### SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Temperature check, sterilization and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol





SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



One column suffered a defect during casting. Repairs were conducted by chipping and using approved material



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Form # QP SUP 01-18, Rev.1



SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Block work  
in the  
school has  
not started  
yet







SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



A tour was conducted around the site





SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Casting for second floor slab was conducted during the visit. The visitors observed the process of the casting and gave remarks to the site staff







## SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Discussion with the contractor as mentioned in the report



Construction of columns at zones (B) and (C) is starting



Construction of boundary wall adjacent to neighbor wall should start soon since the Contractor received approval several weeks ago

9

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Form # QP SUP 01-18, Rev.1

Home Office Support, June 08, 2021– Al Khansa’ Basic Mixed School- Al Balqa

(Refer to 13.3 Site Visits Table)



SKEP III Home Office Support Site Visit Report



Consultant	Wahib Medanat Consultant Engineer	Rep No.	12-08062021
Contractor	Derar Saraireh & Sons for Engineering & Contracting	Tender No.	(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)
Site Name	Al Khansa’ Basic Mixed School- Al Balqa	Day/ Date	Tue. 08/06/2021
Duration of Project	450 Calendar Days	Total Project Budget	9,789,417.840 JD

No.	Visitors	Remarks
1	Suhair Amarin	- Project Dir./Head of Architectural Department
2	Omar Elayan	-Senior Civil Engineer
3	Akram Khammes	- Head of Electrical Department
4	Marwan Sonna’a	-Head of Mechanical Department
5	Hasan Shaqboua	-Quality Control Manager

Visit Notes

No.	Description
1	Visual inspection has been conducted at the delivered building stone. The chiselling for number of observed stones is not accepted. The texture should be applied to the whole stone up to edges.
2	Open ribs blocks should be closed to avoid filling those blocks with concrete during roof casting.
3	The contractor was informed that once the first stone layer is checked and approved, stone building can continue up to the level of window sills to avoid delay during the checking of the workshop drawings.





4	Discussions with Contractor was conducted regarding the contradiction between mechanical shaft and main beam at roof. The Contractor was requested to submit proposal to cancel the contradiction. One proposal might be tilting the beam.
5	The consultant stressed on the issue of curing. More preparations and care should be implemented.
6	It was observed at more than one location that casted columns and block walls are not in line together. Deviations reach few centimeters in some cases were observed. The Contractor was requested to take care and avoid more defects specially plastering work.
7	One location of "Fire Hose Rail Cabinet" was checked and remarks were given to Contractor regarding the finishing of the double wall.
8	It was observed that the Contractor provided special container for mixing of mortar used for block work building.



SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Project ID Sign  
on Site



### SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



←  
Sterilization and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol  
↙





## SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Visual inspection has been conducted at the delivered building stone. The chiseling for number of observed stones is not accepted. The texture should be applied to the whole stone up to edges



Open ribs blocks should be closed to avoid filling those blocks with concrete during roof casting and number of steel reinforcement bars needed more arrangement and tying

5



### SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Discussions with Contractor was conducted regarding the contradiction between mechanical shaft and main beam at roof



The consultant stressed on the issue of curing. More preparations and care should be implemented





SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



It was observed at more than one location that casted columns and block walls are not in line together. Deviations reach few centimeters in some cases were observed. The Contractor was requested to take care and avoid more defects specially in plastering work

7





## SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



A tour around the site was conducted

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Form # QP SUP 01-18, Rev.1



### SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



discussing work progress as per Contactor's work Schedule



One location of "Fire Hose Rail Cabinet" was checked and remarks were given to Contractor regarding the finishing of the double wall



9



SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



It was observed that the Contractor provided special container for mixing mortar used for block work building



Home Office Support, June 15, 2021– Um Al Dananir Basic Mixed School- Al Balqa

(Refer to 13.3 Site Visits Table)



SKEP III Home Office Support Site Visit Report

WAHIB  
 MEDANAT  
 consultant engineers

Consultant	Wahib Medanat Consultant Engineer	Rep No.	11-15062021
Contractor	Derar Saraireh & Sons for Engineering & Contracting	Tender No.	(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)
Site Name	Um Al Dananir Basic Mixed School- Al Balqa	Day/ Date	Tue. 15/06/2021
Duration of Project	450 Calendar Days	Total Project Budget	9,789,417.840 JD

No.	Visitors		Remarks
1	Suhair Amarin	- Project Dir./Head of Architectural Department	
2	Omar Elayan	- Senior Civil Engineer	
3	Akram Khammes	- Head of Electrical Department	
4	Marwan Sonna'a	- Head of Mechanical Department	
5	Hasan Shaqboua	- Quality Control Manager	

Visit Notes

No.	Description
1	The office support team has checked the up to date works and project physical progress.
2	The quality of executed works has been checked on site for the following works: <ul style="list-style-type: none"> <li>- Concrete walls behind stone</li> <li>- Vertical elements (columns &amp; shear walls of Basement Floor and zone B ground floor)</li> <li>- Backfilling works</li> <li>- Excavation of west boundary wall</li> </ul>

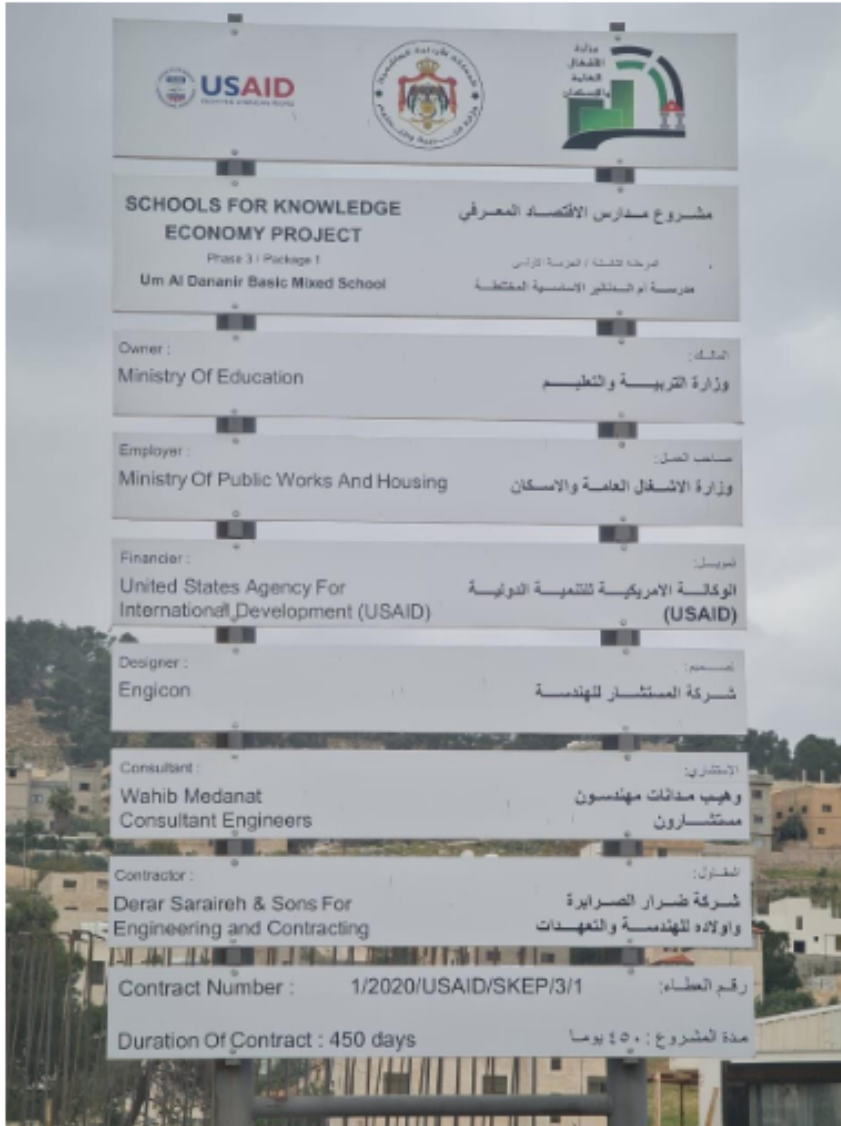


3	Ongoing activities also have been checked as the following; <ul style="list-style-type: none"><li>- Reinforcement works for the ground floor slab zone A</li><li>- Casting works for last vertical elements of ground floor zone A</li><li>- De-shuttering of basement slab Zone B</li></ul>
4	Following the boundary wall obstacles
5	Teething has been observed at the elevations in more than one location. Columns, beams at the edge and walls are not exactly in line together, differences were observed. The differences are within the space allocated for stone and backing concrete. Chipping might be needed in some locations.



SKEP III Home Office Support Site Visit Report

WAHIB  
 MEDANAT  
 consultant engineers



Project ID  
 Sign on Site





### SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Sterilization and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol





SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Checking reinforcement work for ground floor slab at zone A



Discussing the distribution of bottom steel bars for ground floor drop beams/ground floor slab at zone A

5

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Form # QP SUP 01-18, Rev.1



## SKEP III Home Office Support Site Visit Report

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MEDANAT  
consultant engineers



Casting last vertical element of ground floor (Core 2) at zone A



Inspecting casted vertical elements of Basement Floor and ground floor at zone B





SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Checking the encroaching neighbor's building on the south-west side of school plot limits



Checking concrete walls behind stone at zone A



SKEP III Home Office Support Site Visit Report

WAHIB  
MEDANAT  
consultant engineers



Checking the quality of Backfilling works at zone B



A tour inside the site was conducted

## 14 | Manpower Logs

### 14.1 Um–Aldananir Basic Mixed School– Balqa

### 14.2 Al Khansa’ Basic Mixed School– Balqa

### 14.3 Khadija Bint Khwailed Basic Mixed School– Balqa

- ❑ <https://docs.google.com/spreadsheets/d/13Om5zSqhE7debWXme7O6k8NBsGBN9aTJVzYOssj3kG4/edit?usp=sharing>

## 15 | Daily Plant and Equipment

### 15.1 Um–Aldananir Basic Mixed School– Balqa

### 15.2 Al Khansa’ Basic Mixed School– Balqa

### 15.3 Khadija Bint Khwailed Basic Mixed School– Balqa

- ❑ [https://docs.google.com/spreadsheets/d/188DrMPjIh\\_zglZNRlnmVByOe6WGmsze8HedtwtWdY44/edit?usp=sharing](https://docs.google.com/spreadsheets/d/188DrMPjIh_zglZNRlnmVByOe6WGmsze8HedtwtWdY44/edit?usp=sharing)



## 16 | Lab-test Results Tracking Log

### 16.1 Um-Aldananir Basic Mixed School- Balqa

### 16.2 Al Khansa' Basic Mixed School- Balqa

### 16.3 Khadija Bint Khwailed Basic Mixed School- Balqa

- ❑ <https://docs.google.com/spreadsheets/d/14kUOcakJIVaiTWnWax31aCBNJY1CYVGM8rgxsFORK8s/edit?usp=sharing>

## 17 | Obstacles Log (Site Obstacles)

- ❑ [https://docs.google.com/spreadsheets/d/17PvNerXgUi\\_6Sscu\\_tQPOrje27g-K0upWkoeBQvr25U/edit?usp=sharing](https://docs.google.com/spreadsheets/d/17PvNerXgUi_6Sscu_tQPOrje27g-K0upWkoeBQvr25U/edit?usp=sharing)

## 17.1 Um Al Dananir Basic Mixed School – Al Balqa

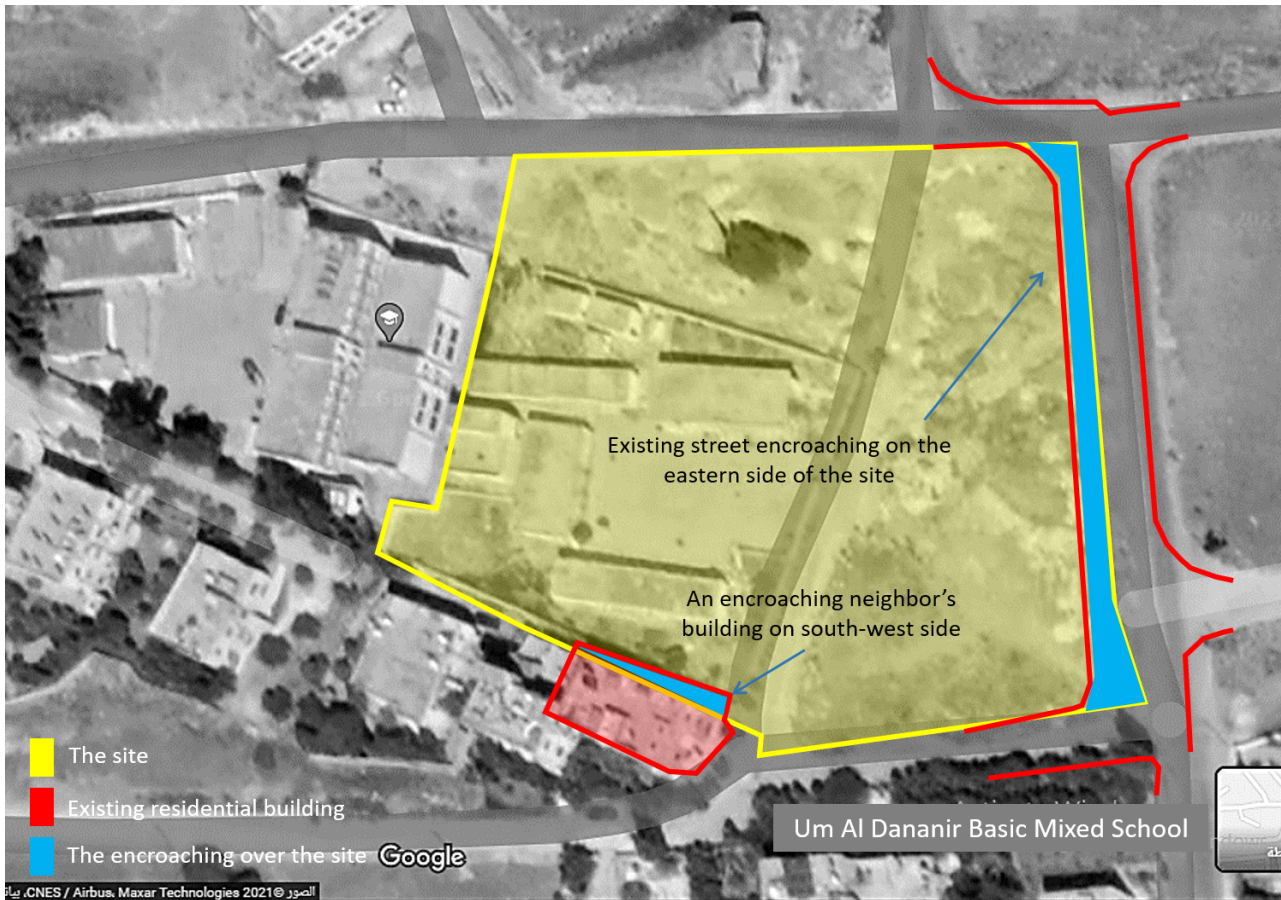


Figure 1. . Encroaching on the site boundary

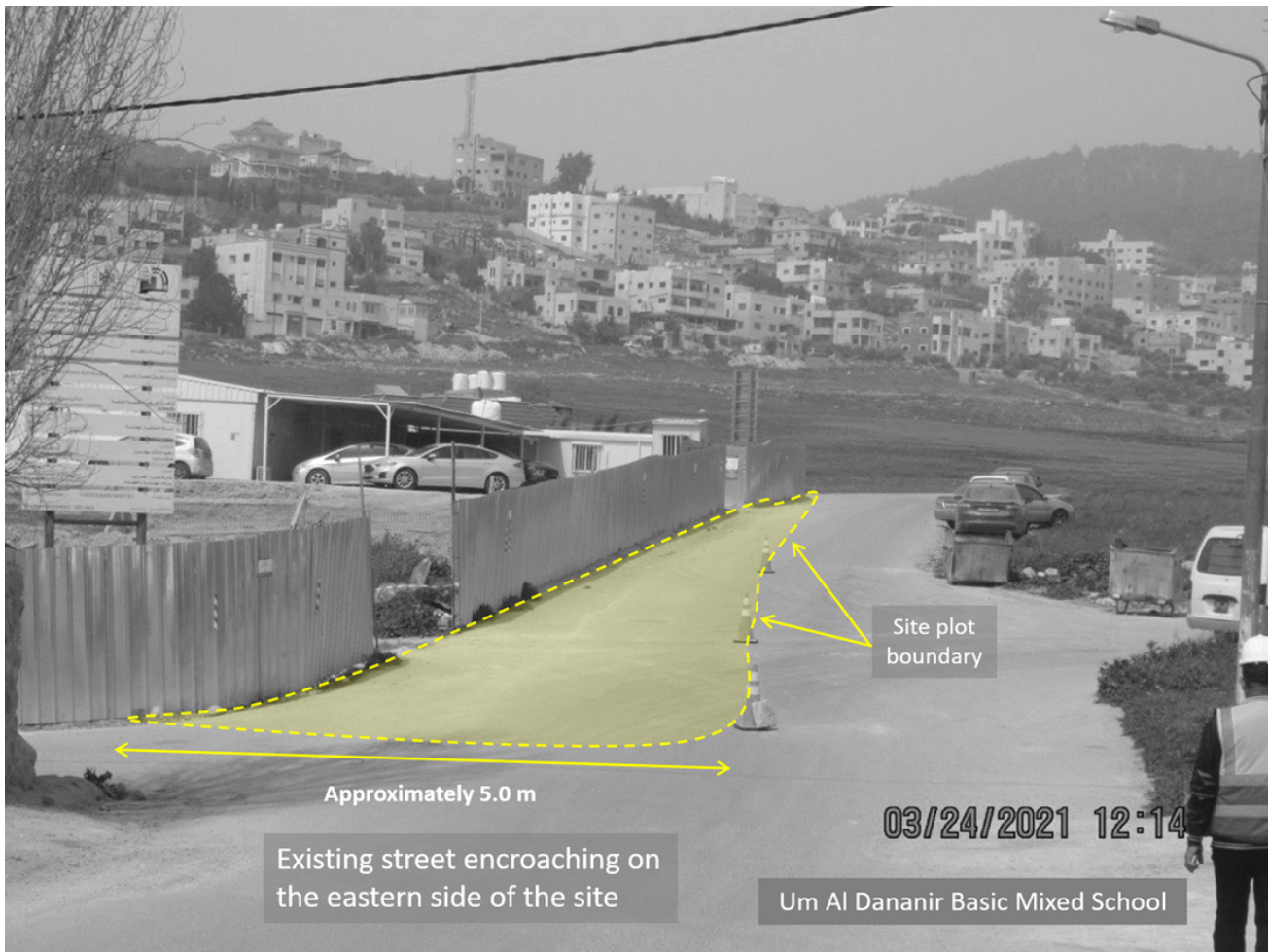


Figure 2. There is an encroachment of the existing street toward the site and this will affect the construction of the eastern boundary wall



Figure 3. There is an encroachment of the existing neighbor's building toward the site



## 17.2 Khadija Bint Khwailed Basic Mixed School- Balqa

### Obstacles Log (Site Obstacles) **SOLVED**



### Khadija Bint Khwailed Basic Mixed - Balqa

There is an encroachment of the existing neighbor's building toward the site

# SOLVED

## 18 | Selected Photos

### 18.1 Um-Aldananir Basic Mixed School- Balqa



Steel reinforcement for basement floor slab zone A

02/06/2021



Single size back filling for SOG

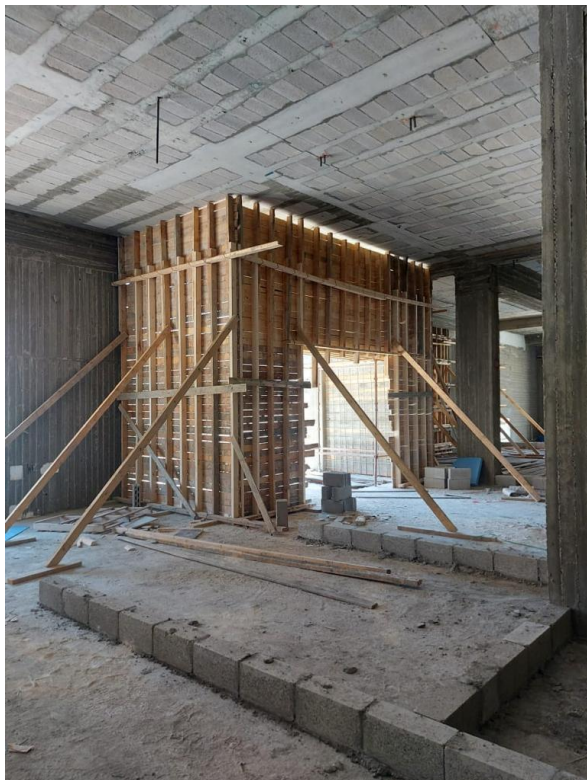
12/06/2021





Formwork and steel reinforcement for ground floor slab Zone A

20/06/2021



Starting blockwork and formwork for external wall behind the stone

30/06/2021

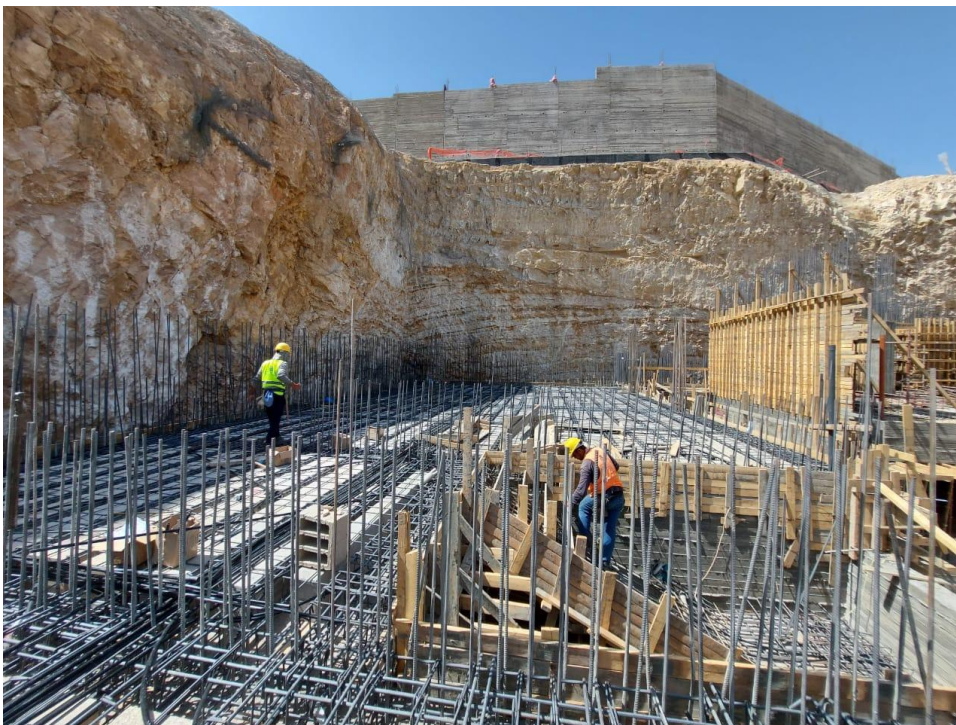


## 18.2 Al Khansa Basic Mixed School- Balqa



Concrete casting for slab for the first floor at zone B of school building

01/06/2021



Formwork and steel reinforcement for first floor slab at zone C of school building

12/06/2021





Block works  
for first floor  
at zone A of  
school  
building

20/06/2021



Formwork  
and rebar  
distribution  
for first floor  
slab zone C

30/06/2021



### 18.3 Khadija Bint Khwailed Basic Mixed School – Al-Shouna Al-Janobia



Slab  
formwork  
deshuttering

01/06/2021



Starting Block  
work in the  
ground floor  
zone A

10/06/2021



Ground floor  
block work  
zone A

20/06/2021



Ground  
floor block  
work zone  
A and  
mechanica  
l first fix

30/05/2021

## 19 | Location Links

**19.1 Um Al Dananir Basic Mixed School – Balqa**

**19.2 Al Khansa'a Basic Mixed School – Balqa**

**19.3 Khadija Bint Khwailed Basic Mixed School – Balqa**

## 20 | Website Reports Links

**20.1 Daily Reports**

**Updated daily**

**20.2 Weekly Reports**

**Updated weekly**

**20.3 Monthly Reports**

**Updated monthly**

**20.4 CMTO Inspection Reports**

**Updated weekly**

**20.5 Quality Reports**

**Updated weekly**



## 21 | Training

### 21.1 Training:

SKEPIII Site staff training sessions

We conduct one effective training session per week for both our staff and the contractor staff including fresh graduates. The training is conducted by our senior engineers from various disciplines and backgrounds. Our future plan for staff training is to host external trainers from the Ministry of Local Administration to talk about Municipalities regulations.



## 21.2 Training Sessions:

### Training Sessions June 2021

1. Training Session

1.1. Tracking Tasks in CPM 19.06.2021



2. Training Session

2.1. Administrative training 13.06.2021



3. Training Session

3.1. Introduction to Structural Design 05.06.2021



For More Details:

Training Link:

<https://www.medanat.site/training>