

**Construction Management of the Jordan School Expansion Project (JSEP)  
and the Schools for a Knowledge Economy Project (SKEP)**

**Site Visit Report Form**

**FTR # QR 418**

**A. BASIC DATA**

*(Trigon staff shall complete this field trip report within 48 hours after returning from the field and ensure that it is sent properly distributed within 72 hours after leaving the construction site)*

**Program (JSEP or SKEP):** SKEP **PHASE:** III **PACKAGE:** 2  
**School Name:** Hay Al Iskan Basic Mixed School  
**Supervisory Engineer (SE) Name:** Medanat  
**Construction Contractor (CC) Name:** Dijlah Contracting Co.  
**Date and Time of Field Trip:** June 21,2021  
**Date of Report:** June 24,2021  
**Weather During Visit:** Sunny, 32 Degrees  
**Prepared By:** Mohammad Sami Ali-Ahmad **CMTO/Trigon**  
**Submitted By:** Osama Obeid **CMTO/Trigon**

**Purpose of Visit**

**General Site Inspection (Quality)** First Hand-over Inspection  
 Corrective Action (CA) Review Report Second Hand-over Inspection  
 Health, Safety & Environment (HSE) OTHER (list below)  
 Site Meeting  
 Substantial Completion Inspection

**Personnel on Trip**

No.	Name	Title	Agency
1	Mohammad Sami Ali-Ahmad	Intern Civil Engineer	CMTO/Trigon
2	Hanan Al Karmi	Reports & Data Manager	CMTO/Trigon
3			

**Personnel at Site** *(if a site meeting or a final inspection, use attachment to list other participants)*

No.	Name	Title	Agency
1	Sawsan Al Yousef	Resident Engineer	Medanat
2	Ammar Gharaibeh	Site Engineer	Medanat
3	Ali Nazzal	Quantities Surveyor	Medanat
4	Sarah Al Ali	Fresh Graduate	Medanat
5	Tharwah Malkawi	Site Engineer	Dijlah Contracting Co.

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6	Amer Khweileh	Quantities Surveyor	Dijlah Contracting Co.
7	Moheeb Whaidi	HSE Engineer	Dijlah Contracting Co.
8	Omar Haddad	Safety Officer	Dijlah Contracting Co.
9	Aya Al Abed	Fresh Graduate	Dijlah Contracting Co.

## B. QUALITY, SCHEDULE AND H&S FINDINGS CHECKLIST

(For any "No" answer in this section, the Observer shall provide a narrative explanation in Section C. of this Report including corrective action requested) **NA-Not Applicable, DC-Didn't Check**

	<u>Construction Contractor</u>	<u>Supervisory Engineer</u>
<b>A. <u>Site Documentation</u></b>		
1. Drawings and Specifications on site? (Y/N)	Y	Y
2. CC Safety Plan on site? (Y/N)	Y	Y
3. CC QC Plan on site? (Y/N)	Y	Y
4. Shop Drawings up to date? (Y/N)	Y	Y
5. Request for Information/Inspection up to date? (Y/N)	Y	Y
6. Sampling and Testing Tracking Log? (Y/N)	Y	Y
7. Hard copy files neat and up to date? (Y/N)	Y	Y
8. Inspector's Daily Journal up to date? (Y/N)	Y	Y
9. Non-Conformance Report up to date? (Y/N)	Y	Y
<b>B. <u>Schedule</u></b>		
10. SE has up to date CC Schedule on site? (Y/N)		Y
11. CC has up to date SE Schedule on site? (Y/N)	Y	
<b>C. <u>Exit Observation</u></b>		
12. What time does CC start work each morning on average?	7:00 AM	
13. What time does CC stop work each day on average?	4:00 PM	
14. What is the average # of working hours each day?	8 Hours (1 Hour Break)	

## C. DESCRIPTION OF FINDINGS

(State if fact or opinion. Use attachments, maps, sketches if necessary)

### A. Site Documentation

- All SE's and CC's site documents were available, neat, organized and up to date

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### B. Health, Safety & Environment (HSE)

- Site is well secured and a proper gate has been installed to secure the construction area in addition to steel fence
- COVID-19 precautions taken at entrance
- Visitors' log at entrance
- Not all workers had full PPE gear on
- It was noticed there is a falling hazard at the 2<sup>nd</sup> part of slab work area, the work area must be protected to avoid safety incidents

### C. General Quality Observations

- At this stage, quality of concrete workmanship is good, with minimal amount of segregation observed and noticed, even though, those spots must be repaired with special approved materials
- Preparation for placing the 2<sup>nd</sup> part of final slab is ongoing, placing must be done in compliance with specifications to ensure the quality of concrete is as required
- Installation of cement block walls is ongoing

### D. Schedule

- Actual Physical Progress: **37%**
- Planned Physical Progress: **40%**
- Progress Variance: **3%**
- Contract Time Lapsed: **52%**
- Average Number of Workers at Site During the Past Week: **30 workers/day**
- Construction works are **behind** schedule
- The CC must **deploy** more manpower to avoid more progress delays and tries to catch up with the schedule as much as possible
- During the site visit, the number of workers at site was very low, the CC can work on multiple places at the site

### E. Status of Utility connections / other outstanding issue

1. Water Supply: Not connected
2. Wastewater: Not connected

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3. **Electricity:** Not connected

4. **Other Issue:**

The proposed road issue is not solved yet, the CC is waiting for official instructions to shift the R/C water tank near the boundary wall

### ATTACHMENTS – as marked below

1. **QUALITY CHECKLIST**
2. MEETINGS / INSPECTION MINUTES
3. HEALTH, SAFETY & ENVIRONMENT ATTACHMENT

## Construction Management of the Jordan School Expansion Project (JSEP) and the Schools for a Knowledge Economy Project (SKEP)

### E. PHOTOS

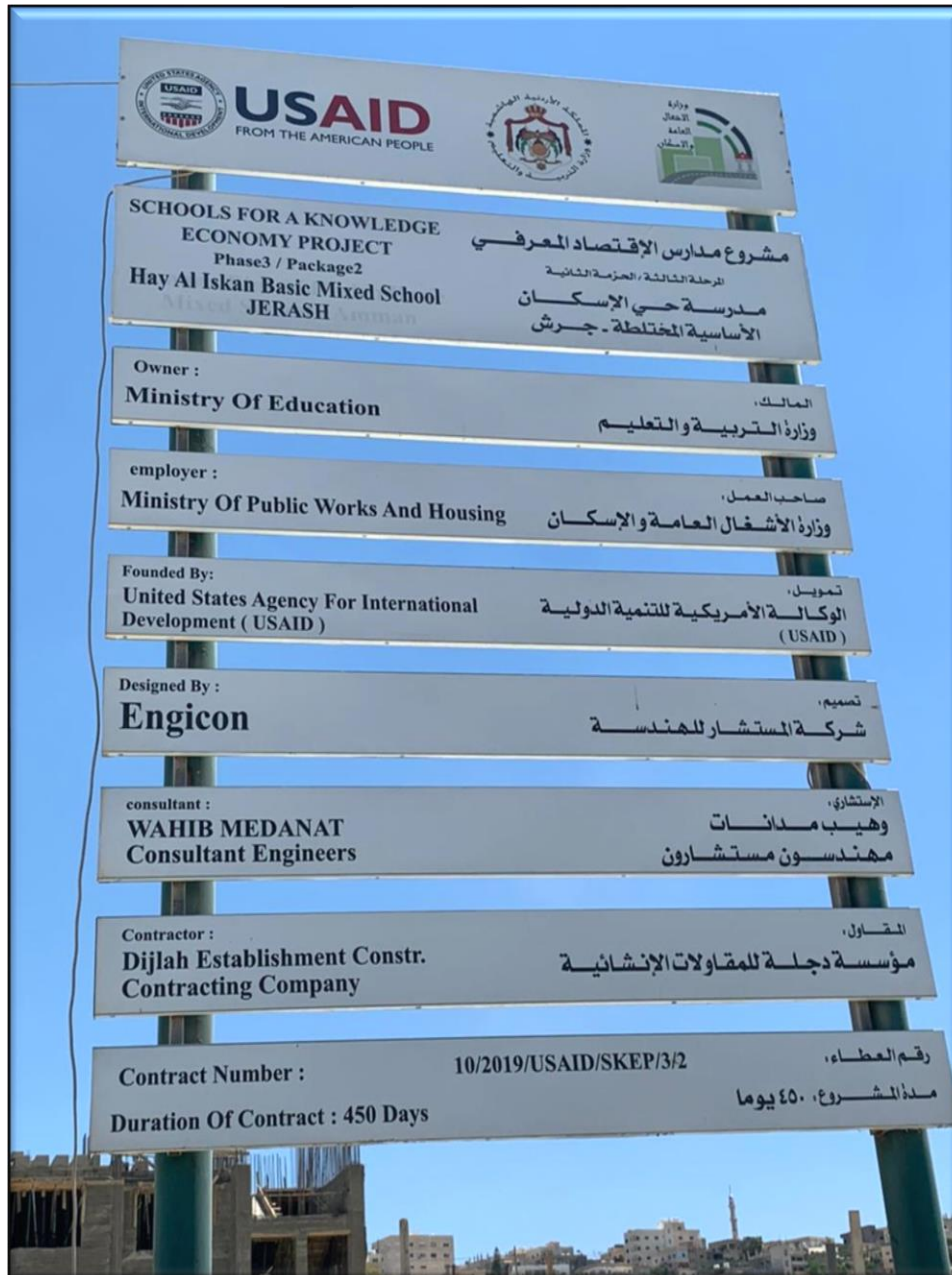


FIGURE #01:

Project ID sign on site

Photo credit:  
Mohammad Sami  
Trigon/CMTO

June 21,2021

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**FIGURE #02&03:**

*The proposed school consists of five floor building, with an internal area of 5240.0 m2 and external area of 4522.0 m2, in addition to all related site works*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*



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*FIGURE #04:*

*Cement block walls works is ongoing*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*



*FIGURE #05:*

*As a good practice,  
the CC is using a  
steel container to mix  
W/C*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*

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**FIGURE #06:**

*Placing the 1<sup>st</sup> part of final slab is completed*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*



**FIGURE #07:**

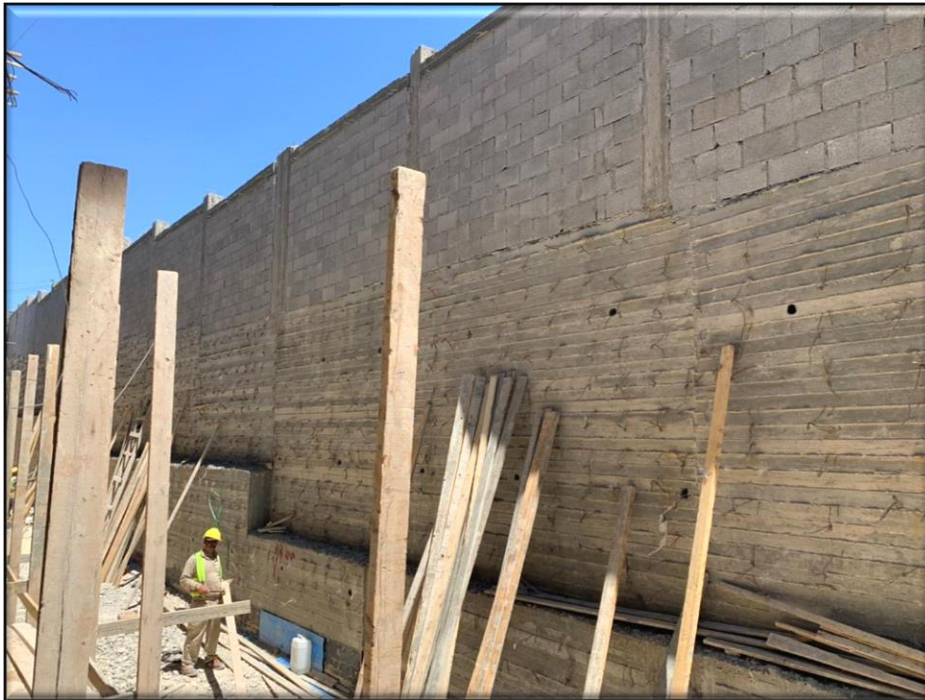
*Preparation for placing the 2<sup>nd</sup> part of final slab is ongoing*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*



## Construction Management of the Jordan School Expansion Project (JSEP) and the Schools for a Knowledge Economy Project (SKEP)

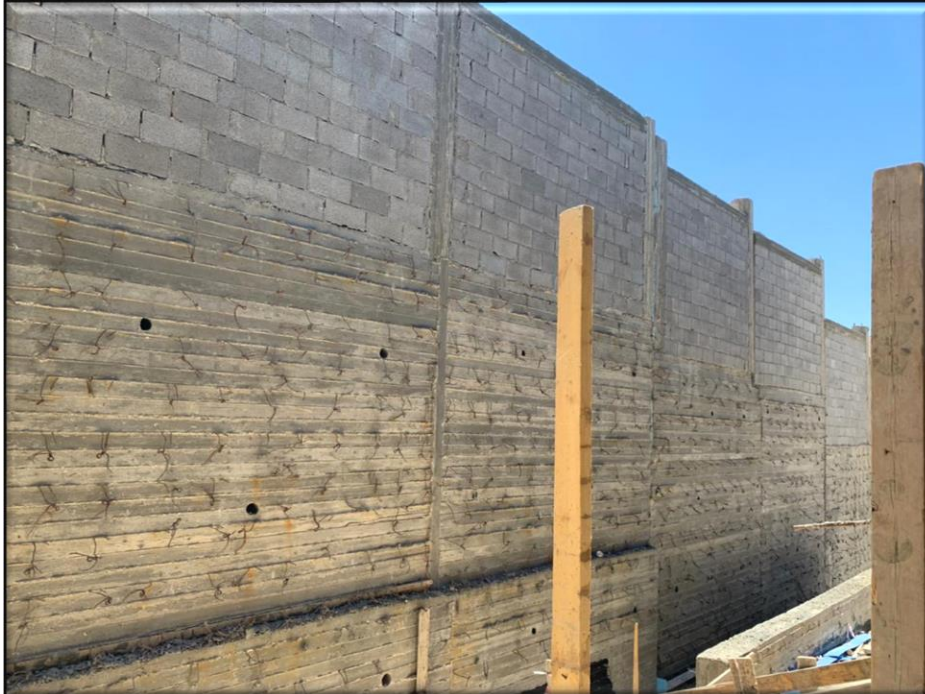


*FIGURE #08:*

*Construction works  
for boundary wall is  
completed*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*



*FIGURE #09:*

*Construction works  
for boundary wall is  
completed*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*

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*FIGURE #10:*

*The site obstacle is  
not solved yet*

*Photo credit:  
Mohammad Sami  
Trigon/CMTO*

*June 21,2021*

### Trigon Quality Field Trip Report Attachment #I

**Notes:**

Date: June 21,2021  
 School Name: Hay Al Iskan Basic Mixed School  
 Location: Jerash  
 Program / Phase / Package: SKEP/III/2  
 Prepared by: Mohammad Sami Ali-Ahmad CMTO/Trigon

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
<b>A. Excavation</b>				
<b>B. Backfilling</b>				
<b>C. SubStructural, Concrete,Foundations</b>				
1	Steel Bar			
2	Footings			
3	Ground beams			
4	Tie beams			
5	Column neck			
6	Column			
7	waterproofing(Insulation)			
8	Slab on grade			
<b>D. SuperStructural, Concrete,Masonry works</b>				
1	Columns			
2	Beams			
3	Slabs	Y	Preparation for placing concrete for the second part of the second floor slab	Placing must be done in compliance with specifications
4	Roof			
5	Hollow Concrete Block (internal)			
6	Hollow Concrete Block (external)			
7	C-Channel			
8	Clading Natural Stones			
9	Electrical conduits/ sleeves			
10	Mechanical pipes/sleeves			
<b>E. Civil Works</b>				
1	Access /Gates			
2	Steel Doors			
3	Wooden Doors			
4	Door's accessories			
5	Aluminum Windows			
6	Window screen			
7	Steel protection			
8	Granite sill for window			
9	Plastering (Internal)			
10	Plastering (External)			
11	Wall Paint			
12	Ceiling Paint			
13	Wall tiles			
14	Floor tiles (Internal)			



#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
<b>H. External Works</b>				
1	Boundary walls			
2	C-Channel Finishings			
3	Fence			
4	Epoxy paint			
5	Landscaping			
6	External Paint			
7	Football/ Basketball Playground			
8	Sand playground for KG			
9	Plants area			
10	Car Park/Asphalt			

**Disclaimer:** Trigon field trip reports include information and findings based upon those parts of the construction sites we visit. Our visits and our contract scope of work do not include Trigon to carry out first tier Quality Control/Assurance, i.e., reviewing submittals, drawings and specifications, reviewing contract compliance, or in any way carrying out close supervision of the works. Therefore our field-trip reports include cursory quality, health & safety and schedule information and its entry on our reports is intended to provide the reader only with a sense of our general observations of that part of the job site we have visited



## CMTO Quality/Workmanship FTR Attachment #2

Construction Quality is carrying out work according to the Drawings and Specifications - Yes/No. This is the duty of the Contractor and the Supervisory Engineer. Quality Assurance (QA) is a check to ensure that the Contractor and Supervisory Engineer is working according to the Drawings and Specifications and observing and reporting generally on basic ongoing and/or completed construction workmanship and work quality. This report is a QA report and as such is an observational view of Contractor and Supervisory Engineer overall Quality Control management.

Date / Time of Field Trip: June 21, 2021

School Name: Hay Al Iskan Basic Mixed School

Location: Jerash

Program/Phase/Package: SKEP/III/2

Name of Contractor : Dijlah Contracting Co.

Name of Sup. Engineer: Medanat

Prepared by: Mohammad Sami Ali-Ahmad CMTO/Trigon

### I. GRADE KEY (Quality Observations)

3 Very Good

2 Acceptable

1 Poor

### 2. General Observations : (Yes = 2 / No = 1)

#	General QC Management Observations (33% of Grade)	STATUS	GRADE
1	QC Plan Approved By Supervising Engineer	Yes	2
2	QC Plan on-Site and Used by Construction Contractor	Yes	2
3	Approved Schedule On Site	Yes	2
4	Approved Shop Drawings On Site	Yes	2
5	Approved Material Submittals On Site	Yes	2
6	Material Acceptance/Rejection Forms Used On Site	Yes	2
7	Material Acceptance/Rejection Tracking Log in Monthly Report	Yes	2
8	Hard Copy Drawings/Specifications On Site	Yes	2
9	Hard Copy Drawings Marked Up Daily to Be As-Built	Yes	2
10	Supervisory Engineer Has and Uses Specification Testing Plan	Yes	2
<b>Sub-Total</b>		<b>100%</b>	<b>20</b>

#	Activity Quality/Workmanship Observations (67% of Grade)	STATUS	GRADE
1	Excavation and Backfilling Works	Acceptable	2
2	Reinforced Concrete (forming, steel, placing, final result, curing)	Acceptable	2
3	External Wall Façade		-
4	Floor Tiles Installation		-
5	Internal Plastering		-
6	External Plastering		-
7	Doors		-
8	Windows		-
9	Internal Painting		-
10	External Painting		-
11	Mechanical and Plumbing (HVAC, Water Supply, Wastewater)		-
12	Electrical Works		-
13	Elevator		-
14	Internal Wall Tiling		-
15	Roof Waterproof Membrane		-
16	Site Works	Acceptable	2
17	Protection of Completed Works		-
18	Post Construction Cleaning		-
<b>Sub-Total</b>		<b>67%</b>	<b>6</b>
<b>Quality Indicator Grade %</b>		<b>78%</b>	

### NOTES

1	
2	
3	