

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

**Site Visit Report Form**

**FTR # QR387**

**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 III Package I  
**School Name:** Hai Al Iskan Basic School for Boys  
**Supervisory Engineer (SE) :** Medanat Consultant Engineers  
**Construction Contractor (CC):** Dijlah Contracting  
**Date and Time of Field Trip:** May 23,2021  
**Date of Report:** May 26,2021  
**Weather During Visit** Sunny 24°  
**Prepared By:** Osama Obeid **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	Osama Obeid	Sr. Construction Manager	CMTO/Trigon
2			

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

No.	Name	Title	Agency
1	Natheer Amareen	PM	Medanat
2	Sawsan Al Yousef	RE	Medanat
3	Ammar Gharaibeh	SE	Medanat
4	Mohammad Mbaideen	H&S Manager	Medanat
5	Mohannad Abu Irshid	General Manager	Dijlah
6	Amer Yousef	PM	Dijlah
7	Moheeb Whaidi	H&S Manager	Dijlah
8	Tharwa Melkawi	SE	Dijlah

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9	Amer Khwailah	QS	Dijlah
10	Samir Abourah	Foreman	Dijlah
11	Ayah ALAbed	Fresh Graduate	Dijlah

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### 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. Schedule**

10. SE has up to date CC Schedule on site? (Y/N)	Y	
11. CC has up to date CC Schedule on site? (Y/N)		Y

Note: The updated schedule under review

#### **C. Exit Observation**

12. What time does CC start work each morning on average?	8:00 AM
13. What time does CC stop work each day on average?	5:00 PM
14. What is the average # of working hours each day?	8 Hrs

### C. DESCRIPTION OF FINDINGS

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

#### **A. Site Documentation**

- All documentations are available onsite and neatly saved

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

- Site security: There is a gate for construction site
- There is hand gel and visitor record at entrance
- All workers had a full PPE gear on

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### C. General Quality Observations

- The Basement Floor Slab is completed
- The Ground Floor Slab is completed
- The First Floor Slab is completed
- Preparation works for placing concrete for the columns of the second floor.
- 20 % of Cement block walls for the ground floor is completed
- Roughness and segregation in concrete was noticed
- Cracks was noticed in the slab of the first floor
- Poor workmanship in cement block walls was noticed on the retaining walls
- Mixing cement with water on the floor directly without using container
- Damaged Cartonal Sheets for the foundation of the retaining walls

### D. Schedule

- 32 % of works is completed and the planned is 47%
- Ave worker/day: 19 worker/day
- The CC must increase the manpower to avoid more delays

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

1. Water Supply: Not connected
2. Wastewater: Not connected
3. Electricity: Not connected
4. Other Issue:

### Obstacle:

Future road issue is not resolved yet. But the CC got the instruction to shift the reinforced water tank from the boundary wall. The CC is waiting for official instructions

## 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:  
Osama Obeid  
CMTO/Trigon  
May 23,, 2021*



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



**FIGURE #02 &03:**

*The School consists of four floors and roof with total surface area of 5400 sq.m, in addition to other site works of total surface 4520 sq.m.*

*The basement, ground and first floor slabs are completed*

*Photo credit: Osama Obeid  
CMTO/Trigon  
May 23, 2021*



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



**FIGURE #04&05:**

*The School consists of four floors and roof with total surface area of 5400 sq.m, in addition to other site works of total surface 4520 sq.m. The basement, ground and first floor slabs are completed*

*Photo credit: Osama Obeid CMTO/Trigon  
May 23, 2021*



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



**FIGURE #06&07:**

*Preparation works for placing concrete for the columns of the second floor*

*Photo credit: Osama Obeid CMTO/Trigon  
May 23, 2021*





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



*FIGURE #08:*

*Preparation works for placing concrete for the stairwell*

*Photo credit: Osama Obeid CMTO/Trigon  
May 23, 2021*



*FIGURE #09:*

*There is no edge protection (unsafe for workers, site staff and visitors)*

*Photo credit: Osama Obeid CMTO/Trigon  
May 23, 2021*



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



**FIGURE #9 & 10:**  
*Cracks was noticed on the slab of the first floor*

*Photo credit:  
Osama Obeid  
CMTO/Trigon  
May 23, 2021*

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



*FIGURE #11 & 12:  
Roughness and segregation in concrete was noticed on walls*

*Photo credit:  
Osama Obeid  
CMTO/Trigon  
May 23, 2021*





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



**FIGURE #10 & 11:**

*Poor workmanship was noticed in the cement block walls of the retaining walls*

*Damaged Cartonal Sheets must be replaced*

*Photo credit:  
Osama Obeid  
CMTO/Trigon  
May 23, 2021*



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



**FIGURE #12 & 13:**  
*The CC start building  
the cement block walls  
in the ground floor*

*Photo credit:  
Osama Obeid  
CMTO/Trigon  
May 23, 2021*

**Construction Management of the Jordan School Expansion Project (JSEP)  
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*FIGURE #14*

*Mixing the cement with water on the floor without using a container will not keep the water/cement ratio as per specs and will make the area wet under floor tiles*

*Photo credit:  
Osama Obeid  
CMTO/Trigon  
May 23, 2021*



### Trigon Quality Field Trip Report Attachment #I

**Notes:**

Date: May 23,2021  
 School Name: Hai Al Iskan Basic Mixed School  
 Location: Jerash  
 Program / Phase / Package: SKEP/III/P2  
 Prepared by: Osama Obeid 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)	Y	Damaged Cartonal Sheets	The defetcs must be replaced
8	Slab on grade			
<b>D. SuperStructural, Concrete,Masonry works</b>				
1	Columns			
2	Beams			
3	Slabs	Y	Cracks	Must be repaired/treated with special materials
4	Roof			
5	Hollow Concrete Block (internal)	Y	Poor workmanship was noticed in the cement block walls of the retaining	The defetcs must be replaced
6	Hollow Concrete Block (external)			
7	C-Channel			
8	Clading Natural Stones			
9	Electrical conuits/ 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)			
15	External Floor tiles (Interlock /Stone)			



#	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			

Shortage of manpower

**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: 5/23/2021 11:30

School Name: Hai Al Iskan Basic School for Boys

Location: Jerash

Program/Phase/Package: SKEP/III/P2

Name of Contractor : Dijlah Contracting

Name of Sup. Engineer: Medanat Consultant

Prepared by: Osama Obeid

### 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)	Poor	1
3	External Wall Façade		-
4	Floor Tiles Installation		-
5	Internal Plastering		-
6	External Plastering		-
7	Doors and Windows		-
8	Mechanical and Plumbing (HVAC, Water Supply, Wastewater)		-
9	Electrical Works and Elevators		-
10	Internal Wall Tiling		-
11	Roof Waterproof Membrane		-
12	Internal and External Painting		-
13	Site Works		-
14	Protection of Completed Works		-
<b>Sub-Total</b>		<b>50%</b>	<b>3</b>
<b>Quality Indicator Grade %</b>		<b>67%</b>	

### NOTES

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