

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

Site Visit Report Form

FTR # QR 394

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: Jumana Bint Abi Taleb Basic Mixed School
Supervisory Engineer (SE) Name: Medanat Consultants
Construction Contractor (CC) Name: Dijlah Contracting Co.
Date and Time of Field Trip: May 27,2021
Date of Report: May 27,2021
Weather During Visit: Clear, 30 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	Osama Obeid	Sr. Construction Manager	Trigon/CMTO
2	Mohammad Sami Ali-Ahmad	Intern Civil Engineer	Trigon/CMTO
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 Consultants
2	Yousef Omar	Site Engineer	Medanat Consultants
3	Ali Nazzal	Quantities Surveyor	Medanat Consultants
4	Mohammad Mbaideen	Safety Officer	Medanat Consultants
5	Amer Yousef	Project Manager	Dijlah Contracting Co.

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6	Sahar Suleiman	Site Engineer	Dijlah Contracting Co.
7	Mohammad Al Absi	Safety Officer	Dijlah Contracting Co.
8	Nidal Aslan	Foreman	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>
A. <u>Site Documentation</u>		
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. <u>Schedule</u>		
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	
C. <u>Exit Observation</u>		
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 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
- All workers had **full** PPEs gear on
- **All** COVID-19 precautions were taken at entrance, such as, Thermometer, Hygiene hand gel and Face Masks, thanks to CC and SE for providing such precautions to prevent spreading the Virus
- Visitors book at **entrance**

C. General Quality Observations

- Casting the first-floor slab is **completed**, the CC must give more **attention** to curing works
- Installing cement block walls for ground floor is **ongoing**
- Construction works for boundary walls adjacent to Mabarrat Um Al Hsein boundary walls has been **completed**
- Concrete segregation and roughness were noticed, but **minimal in comparison** with the area of the proposed school
- Construction steel bars were **uncovered** during the site visit, **CMTO** recommends that the steel bars must be covered to avoid being **damaged** by rust
- The CC is **not** using a Steel Container to mix concrete, **CMTO** recommends that the CC must mix the concrete in a Steel Container to **maintain** the W/C as required in contract specifications

D. Schedule

- Percentage of works completed: according to SE's Site Engineer, physical progress has reached **27%**, while the planned progress is 47 %, which means that there is **20%** progress variance
- Percentage of contract time lapsed: **47%**
- Average No. of workers at site during the past week: **20 workers/day**
- The 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

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**:

ATTACHMENTS – as marked below

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

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E. PHOTOS



FIGURE #01:
Project ID sign on site

Photo credit:
Mohammad Sami
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FIGURE #02&03:

The proposed school consists of five-floor building in addition to all related site works

*Photo credit:
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FIGURE #04&05:
*Preparation works for
placing concrete for
the Columns of first
floor
Multipurpose building
under construction*



*Photo credit:
Osama Obeid
Trigon/CMTO*

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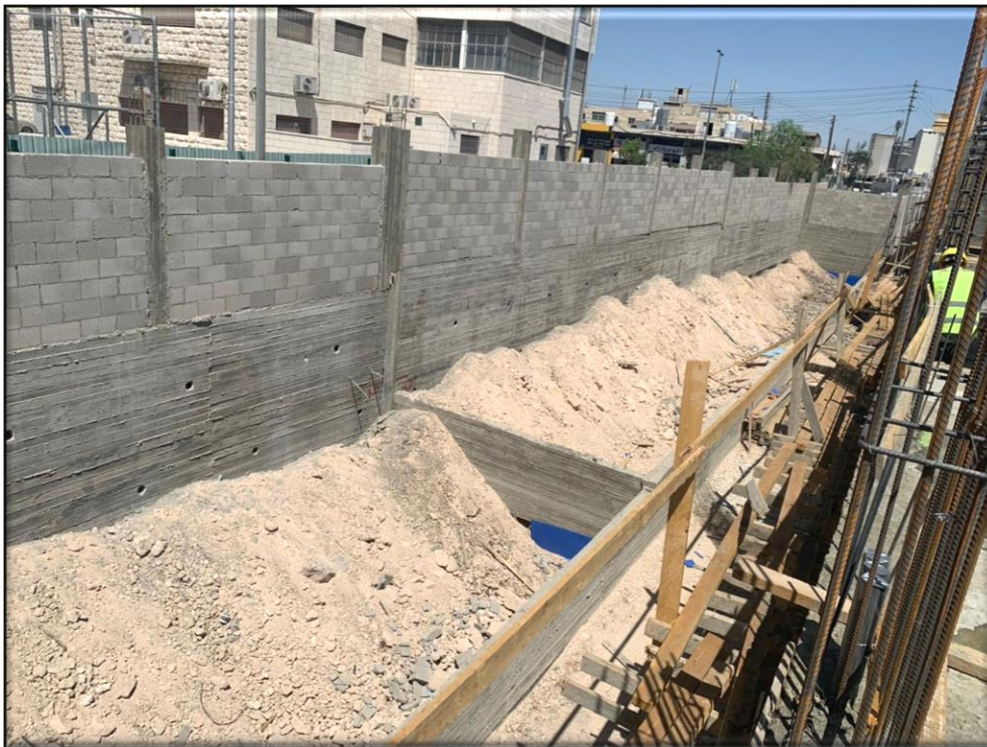


FIGURE #06&07:

Construction works for boundary wall has been completed adjacent to Mabrrat UM Hussein boundary Walls

*Photo credit:
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FIGURE #08&09:

*Installing cement
block walls for ground
floor is ongoing*

*Photo credit:
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*FIGURE #10 & 11:
Roughness and
segregation were
noticed, but minimal*

*Photo credit:
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FIGURE #12:

Roughness and segregation were noticed, but minimal

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FIGURE #13:

Casting the 1st floor slab has been completed

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FIGURE #14:

The CC must use a Steel Container to mix concrete in order to maintain W/C ratio is required in specifications

*Photo credit:
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FIGURE #15:

Uncovered steel bars, must be covered to avoid being damaged by rust

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FIGURE #16:

*COVID-19
precautions at
entrance*

*Photo credit:
Mohammad Sami
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FIGURE #17:

*SE, CC and CMTO
during site tour*

*Photo credit:
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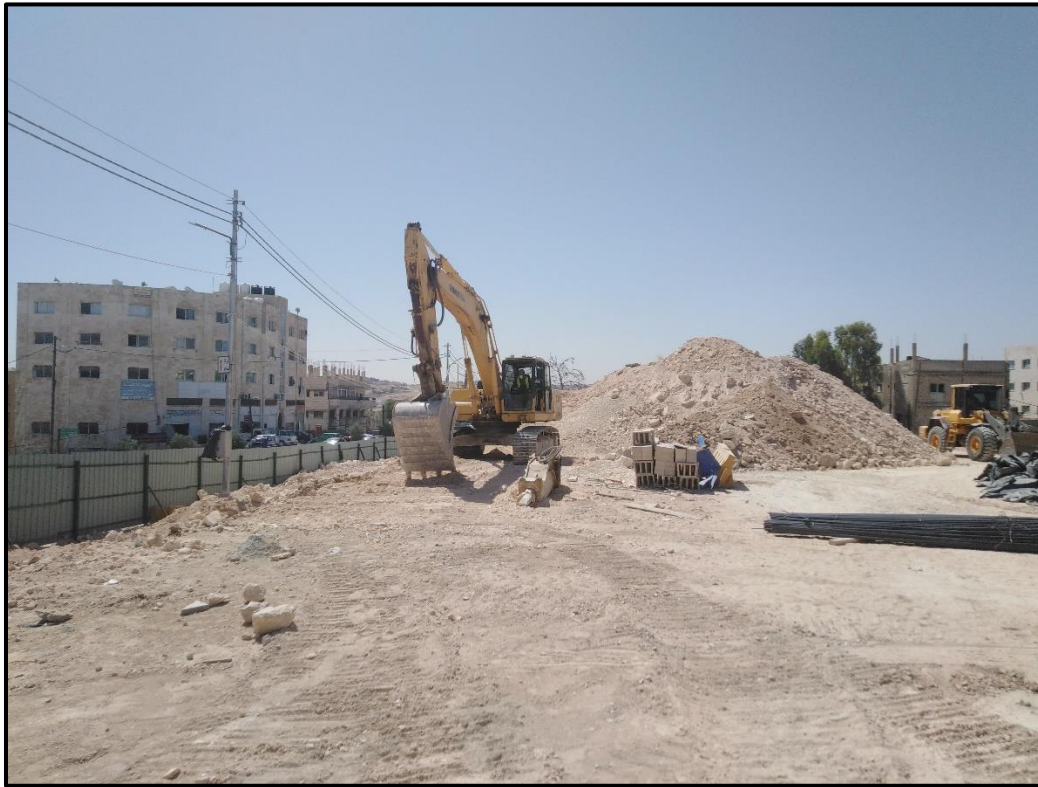


FIGURE #18:
*Excavation works for
the Boundary Walla*

Photo credit:
*Osama Obeid
Trigon/CMTO*

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Trigon Quality Field Trip Report Attachment #I

Notes:

Date: May 27,2021
 School Name: Jumana Bint Abi Taleb Basic Mixed School
 Location: Marka
 Program / Phase / Package: SKEP/III/2
 Prepared by: Mohammad Sami Ali-Ahmad CMTO/Trigon

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
A. Excavation				
B. Backfilling				
C. SubStructural, Concrete,Foundations				
1	Steel Bar			
2	Footings			
3	Ground beams			
4	Tie beams			
5	Column neck			
6	Column			
7	waterproofing(Insulation)			
8	Slab on grade			
D. SuperStructural, Concrete,Masonry works				
1	Columns			
2	Beams			
3	Slabs	Y	Casting is completed	Curing must be done in compliance with specifications
4	Roof	Y	Roughness and segregation was noticed	Must be repaired with special materials
5	Hollow Concrete Block (internal)	Y	Installing block walls is ongoing	must be done in compliacne with specifications
6	Hollow Concrete Block (external)			
7	C-Channel			
8	Clading Natural Stones			
9	Electrical conuits/ sleeves			
10	Mechanical pipes/sleeves			
E. Civil Works				
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
H. External Works				
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: May 27,2021

School Name: Jumana Bint Abi Taleb Basic Mixed School

Location: Marka

Program/Phase/Package: SKEP/III/2

Name of Contractor : Dijlah Contracting Co.

Name of Sup. Engineer: Medanat Consultants

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
Sub-Total		100%	20

#	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		-
17	Protection of Completed Works		-
18	Post Construction Cleaning		-
Sub-Total		67%	4
Quality Indicator Grade %		78%	

NOTES

1	
2	
3	