

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

Site Visit Report Form

FTR # QR386

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: Thahr Al Sarow 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	Alaa Eleimat	SE	Medanat
4	Mohammad Mbaideen	H&S Manager	Medanat
5	Gaith Otoom	Fresh Graduate	Medanat
6	Mohannad Abu Irshid	General Manager	Dijlah
7	Amer Yousef	PM	Dijlah
8	Moheeb Whaidi	H&S Manager	Dijlah

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

9	Abdelmalk Hussein	SE	Dijlah
10	Moyad Abu Irshid	Q.S	Dijlah
11	Ahmad Abdelhadi	H&S officer	Dijlah

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

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
The updated schedule under review		
C. <u>Exit Observation</u>		
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, visitor record at entrance
 - All workers had a full PPE gear on,

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

C. General Quality Observations

- The Ground Floor Slab is completed
- The First Floor Slab is completed
- The Second Floor Slab till infill strip is completed (first part), second part of the slab will be casted by end of May 2021
- 80 % of Cement block walls for the ground floor is completed
- 50% of boundary walls are completed
- Stone cladding is ongoing
- Roughness and segregation in concrete
- Poor workmanship on cement block work was noticed in the ground floor
- Mixing cement with water on the floor directly without using container

D. Schedule

- 33% of works is completed and the planned is 47%
- Ave worker/day: 19 worker/day
- The CC must increase the manpower to avoid 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:

ATTACHMENTS – as marked below

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

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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*

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FIGURE #02&03:

The proposed project consists of four floors and roof building, in addition to another related site works. The project has an internal area of 4615 m² and external area 2827.0 m². Walls for ground floor is completed

*Photo credit:
Osama Obeid
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May 23, 2021*

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FIGURE #04&05:

*The CC prepared and installed Stone cladding (50*50 cm) & (25*25 cm) as a sample for SE comments/ approval.*

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



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FIGURE #06& 07:

55% of the skeleton works is completed. Preparation works for placing concrete for the of the second floor slab (2nd part)

*Photo credit:
Osama Obeid
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FIGURE #08 & 09:

*Preparation works for
building cement block
walls in the first floor*

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



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and the Schools for a Knowledge Economy Project (SKEP)**



FIGURE #10 :

Site meeting after site tour (CMTO/Trigon, Medanat & Dijlah) to discuss the findings, work progress and updated schedule

*Photo credit:
Mohamad Mbaideen
H&S Manager/Medanat
May 23, 2021*

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and the Schools for a Knowledge Economy Project (SKEP)**



FIGURE #11 & 12;:

*Poor workmanship on
cement block work was
noticed in the ground
floor*

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

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and the Schools for a Knowledge Economy Project (SKEP)**



FIGURE #13

Mixing cement with water on the floor directly without using container

*Photo credit:
Osama Obeid
CMT0/Trigon
May 23, 2021*



FIGURE #13

Roughness and segregation in concrete

*Photo credit:
Osama Obeid
CMT0/Trigon
May 23, 2021*

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FIGURE #14

*Damaged of Cartonal
Sheets must be
replaced*

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

Trigon Quality Field Trip Report Attachment #I

Notes:

Date: 23-May-21
 School Name: Thahr Al Sarow Basic School
 Location: Jerash
 Program / Phase / Package: SKEP/III/2
 Prepared by: Osama Obeid 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	Roughnes and segregation in concrete	Must be repaired with special materials
4	Roof			
5	Hollow Concrete Block (internal)	Y	Poor workmanship	Must be removed and build new cement blocks
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)			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
15	External Floor tiles (Interlock /Stone)			
16	Cabinet			
17	Facades, Roof parapet			
18	Lab Furniture			
19	Ceiling and roof system			
20	Acoustic Ceiling			
21				
22	Facades, Roof parapet			
23	PVC			
24	Carpenting			
25	Expansion joint			
26	Roof insulation (waterproofing membrane)			
27	Flashing 10 cm			
28	Cold Fluid applied for boundary walls and septic tank			
F. Electrical Works				
1	Wiring - conduits			
2	Electrical sockets			
3	Lighting fixtures			
4	Electrical Distribution Board			
5	Fire Alarm System			
6	Public Address			
7	Air Conditioning Units			
8	CCTV			
9	Manhole			
10	Electrical Earthing			
11	Wall Fan			
12	Elevator			
13	Electrical Room			
G. Mechanical Works				
1	Rest Rooms, Toilets, WC			
2	Wash basin			
3	Wall tiles			
4	Floor tiles			
5	Water Mixer			
6	Water Cooler			
7	Water Tank			
8	Boiler			
9	Heat Radiator			
10	Pump			
11	HVAC System			
12	AC unit/ Split Units(Wall mounted)			
13	Pump			
14	Drainage			
15	Submersible pump sets.			
16	Manholes, Clean-outs			
17	Fire Extinguisher			
18	Fire hose cabinet			
19	Ventilation, AC Duct			
20	Emergency shower			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
21	Septic Tank			
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			

The CC must increase 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

