



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

Site Visit Report Form

FTR # 260 QR

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): Medanat
Construction Contractor (CC): Dijlah Establishment Cons. Con. Co.
Date and Time of Field Trip: January 6, 2021
Date of Report: January 9, 2021
Weather During Visit: Clear 19°
Report Submitted By: Abedalaziz Abu wandi

PURPOSE OF VISIT

General Site Inspection (Quality)
 Corrective Action (CA) Review Report Second
 Health & Safety (H&S)
 Site Meeting
 Substantial Completion Inspection

Handover (First Inspection)
 Final Inspection
OTHER (Overcome Obstacles)

PERSONNEL ON TRIP

No.	Name	Title	Agency
1	Abedalaziz Abu wandi	Civil Engineer	Trigon
2	Odai Tawalbeh	H&S Engineer	Trigon

PERSONNEL AT SITE *(if a site meeting or a final inspection, use attachment to list other participants)*

No.	Name	Title	Agency
1	Natheer Amarin	PM	Medanat Consultants
2	Islam Obeidat	Site Engineer	Medanat Consultants
3	Mohannad Abu Rshaid	Owner	Dijlah Establishment
4	Amer Youssef	PM	Dijlah Establishment
5	Tharwat Malkwai	Site Engineer	Dijlah Establishment
6	Amer Khweileh	Q.S	Dijlah Establishment
7	Mohammed Mobaideen	H&S Engineer	Medanat Consultants
7	Muhib Al Wahidi	Safety Engineer	Dijlah Establishment
8	Sarah Al Ali	Fresh Grad.	Medanat Consultants
9	Ayah Al Abed	Fresh Grad.	Dijlah Establishment



**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)		N
11. CC has up to date CC Schedule on site? (Y/N)	N	
C. <u>EXIT OBSERVATIONS</u>		
12. What time does CC start work each morning on average?	7 am	
13. What time does CC stop work each day on average?	4 am	
14. What is the average # of hours worked each day?	8 hrs	

C. DESCRIPTION OF FINDINGS

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

A. SITE DOCUMENTATION

Documents are Up-to-date and neatly saved

B. HEALTH & SAFETY

1. Northern side of excavation and retaining wall execution needs to be closed before the forecasted rainy weather
2. Stones on the sides of the excavation must be removed

C. GENERAL QUALITY OBSERVATIONS

1. Concrete Segregation were noticed
2. Construction Contractor applied Bitumen insulation before treating the Concrete Segregations

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

D. SCHEDULE

1. According to Medanat, physical progress has reached 6% while the planned progress is at 11%.
2. The average number of labors working daily on site in the past week is Twenty-eight.
3. Contractor should deploy more skilled and unskilled labors to close the progress variance.
4. Shoring execution has been done.
5. Bitumen Insulation for Blinding and Retaining wall.
6. Shuttering Framework and Reinforcement Steel Bars laying for foundations and Retaining wall.
7. Framework De-shuttering for parts of the Retaining wall.

E. STATUS OF UTILITY CONNECTIONS / OTHER OUSTANDING ISSUE

1. **Water Supply:** Not Connected

2. **Wastewater:** Not Connected

3. **Electricity:** Not Connected

4. **Other Issue:**
 - i. Mechanical Works remarks Meeting to be held to discuss with the DE many remarks the SE and the CC have, it is recommended to have the Mechanical department of the MPWH involved in this meeting as they can provide their wide experience, solve many matters on site and will save exchanging correspondences time.
 - ii. CC and SE are reporting issues with the “outdated” vendor list, and requesting immediate update and discussion with the MPWH & DE to reach an agreement on Electrical & Mechanical vendor lists before this issue become a drawback to the project. Due to the economic situation affected by the COVID-19 Pandemic, many Electrical and Mechanical manufacturers has either merged with other companies under new names, or changed their country of production. So the need of updating the vendor list is recommended.
 - iii. Extension of Time requests shall be studied and answered by the SE in order to update the Progress Schedule.

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

ATTACHMENTS – as marked below

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

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

E. PHOTOS



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



The new School will be a 5-storey building with 5500 sq.m built up area.

It will consist of 23 classrooms, 2 KGS and will service 878 Students, starting from KG 2 to 10th grade.

*Photo Credit:
Abedalaziz Abu wandi
January 6th, 2021*

Figure 1: Overview of the Construction Site



Figure 2: Overview of the Construction Site

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



Retaining wall execution is ongoing, 60% of the Construction work is done.

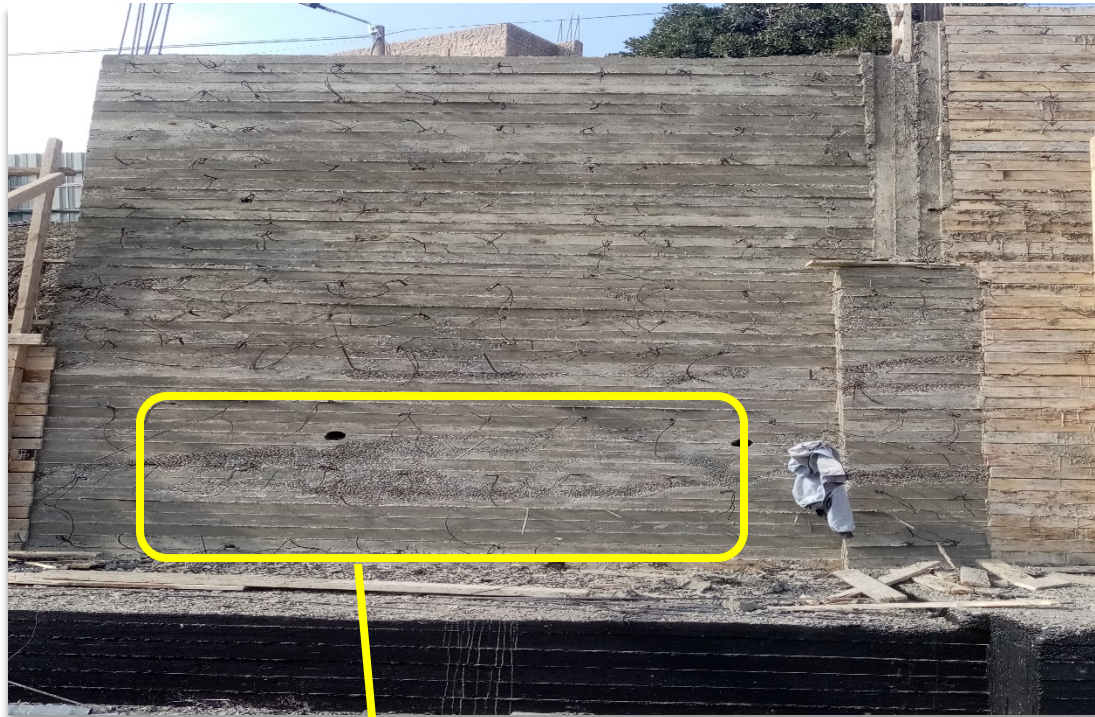
*Photo Credit:
Abedalaziz Abu wandi
January 6th, 2021*

Figure 3: Construction Contractor De-Shuttering Retaining Wall Framework



Figure 4: Construction Contractor Fixing Framework and Steel Bars for Retaining wall

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



Concrete Segregation appeared after the Framework de-shuttering

*Photo Credit:
Abedalaziz Abu wandi
January 6th, 2021*

Figure 5: Retaining Wall

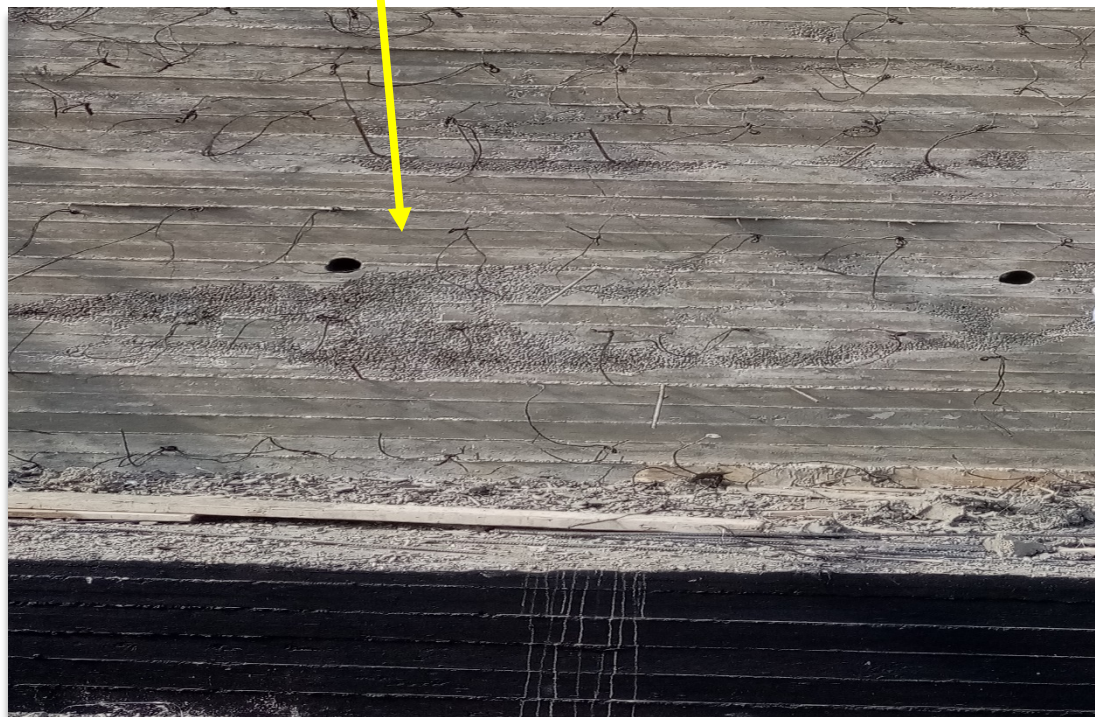


Figure 6: Retaining Wall Concrete Segregation

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



Concrete Segregation should be treated before applying Bitumen insulation.

The Concrete Segregation material is only effective when its applied directly to concrete, the Bitumen layer will be prevent the treatment material from mixing properly with the old Concrete

*Photo Credit:
Abedalaziz Abu wandi
January 6th, 2021*

Figure 7: Bitumen Insulation



Hazardous debris from excavation leftovers must be removed before allowing worker to preform works around it.

*Photo Credit:
Abedalaziz Abu wandi
January 6th, 2021*

Figure 8: Excavation Leftovers

Trigon Quality Field Trip Report Attachment
Notes:

Date: Wednesday, January 6, 2021

School Name: Hay Al Iskan Basic Mixed School

Location: Jerash

Program / Phase / Package: SKEP III Package 2

Prepared by: Abedalaziz Abu wandi

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
A. Excavation				
B. Backfilling				
		Y	Debris and Excavation Leftovers	Must be removed before backfilling
C. Sub Structural, Concrete, Foundations				
1	Footings	Y	Concrete Segregation	Must be repaired with approved material and inspected
2	Ground beams			
3	Tie beams			
4	Column neck			
5	Column			
6	waterproofing(Insulation)			
7	Slab on grade			
D. Super Structural, Concrete, Masonry works				
1	Columns			
2	Beams			
3	Slabs			
4	Roof			
5	Hollow Concrete Block (internal)			
6	Hollow Concrete Block (external)			
7	C-Channel			
8	Cladding Natural Stones			
9	Electrical conduits/ sleeves			
10	Mechanical pipes/sleeves			
E. Civil Works				
1	Access /Gates			
2	Steel Doors			
3	Wooden Doors			
4	Aluminum Windows			
5	Plastering (Internal)			
6	Plastering (External)			
7	Wall Paint			
8	Ceiling Paint			
9	Wall tiles			
10	Floor tiles (Internal)			
11	External Floor tiles (Interlock /Stone)			
12	Cabinetry			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
13	Lab Furniture			
14	Ceiling and roof system			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
15	Facades, Roof parapet			
16	PVC			
17	Carpet			
18	Expansion joint			
19	Roof insulation (waterproofing membrane)			
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			
G. Mechanical Works				
1	Rest Rooms, Toilets, WC			
2	Wall tiles			
3	Floor tiles			
4	Water Mixer			
5	Water Cooler			
6	Boiler,HVAC,Pumps			
7	Drainage			
8	Manholes, Clean-outs			
9	Fire Extinguisher			
10	Ventilation, AC Duct			
11	Emergency shower			
12	Septic Tank			
H. External Works				
1	Boundary walls	Y	Concrete Segregation	Must be repaired with approved material and inspected
2	C-Channel Finishing			
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			

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
---	-----------------	-----------------------	----------	--------------------------------------

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