

## Site Visit Report Form

FTR # 382 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 III Package I  
**School Name:** Al Khansa'a Basic Mixed School  
**Supervisory Engineer (SE):** Medanat Consultant Engineers  
**Construction Contractor (CC):** Derar Al Saraireh & Sons  
**Date and Time of Field Trip:** May 19<sup>th</sup>, 2021  
**Date of Report:** May 23<sup>rd</sup>, 2021  
**Weather During Visit:** Sunny 32°  
**Prepared By:** Abedalaziz Abu wandi CMTO/Trigon  
**Submitted By:** Osama Obeid CMTO/Trigon

#### Purpose of Visit

##### General Site Inspection (Quality)

Corrective Action (CA) Review Report  
 Health, Safety & Environment (HSE)  
 Site Meeting  
 Substantial Completion Inspection

First Hand-over Inspection  
 Second Hand-over Inspection  
 OTHER (list below)

#### Personnel on Trip

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

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

No.	Name	Title	Agency
1	Mahmood Maghnam	Package Manager	Medanat
2	Qais Malkwai	Site Engineer	Medanat
3	Abdullah Al Zu'bi	H&S Engineer	Medanat
4	Marah Abu Awwad	Fresh Grad Engineer	Medanat
5	Khaled Bazian	Project Manager	Derar Saraireh & Sons
6	Rami Hajj Mohammed	Site Manager	Derar Saraireh & Sons
7	Netham Tarawneh	H&S Engineer	Derar Saraireh & Sons
8	Mohammed Abu Laila	Tech. Supervisor	Derar Saraireh & Sons

## 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 CC 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 a.m	
13. What time does CC stop work each day on average?	5 p.m	
14. What is the average # of working hours each day?	9 hrs	

## C. DESCRIPTION OF FINDINGS

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

### A. Site Documentation

1. All documentations are available onsite and neatly saved.

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

1. Site is well gated and secured,
2. All workers had a full PPE gear on,
3. Side of the cliff excavation shall be protected at all times.

### C. General Quality Observations

1. Works seemed to be carried as per specifications,
2. Quality and type of materials used by the contractor are within Construction Best Practices,

### D. Schedule

1. According to Medanat, physical progress has reached 28%, while planned progress is 26%,
2. The average number of labors working daily on site in the past week is 50.

E. Status of Utility connections / other outstanding issue

1. Water Supply: Water Tank is constructed- Not Connected
2. Wastewater: Septic Tank is constructed
3. Electricity: Not Connected
4. Other Issue:

**ATTACHMENTS – as marked below**

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

## E. PHOTOS





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



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The new School will be a 6454 sq.m 5-storey building and will consist of 24 classrooms, 4 KGs and 1 for special need. The school will service up to 928 Students, starting from KG2 to 10<sup>th</sup> grade

*Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandj , Civil Engineer, CMTO/Trigon*

Figure 1: Site Overview



Figure 2: Site Overview





Figures 3 & 4

The Construction works of the KG (Section A) is progressing ahead of other sections. Contractor is preparing placing concrete of the first floor slab and starting Block works in the GF floor.

Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandil, Civil Engineer, CMTO/Trigon

Figure 3: KG Building-Section A



Figure 4: Framework de-shuttered and preparing for Block works





Figures 5 & 6

The Construction works (Section C) is progressing well. Shear walls at ground floor are done. The contractor is compacting the fill material at the amphitheater and preparing the SOG framework. No concrete segregation or honeycombing were observed.

*Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandil, Civil Engineer, CMTO/Trigon*

Figure 5: Section C



Figure 6: Section C





Figures 7 & 8

The Construction on the Water and Septic Tanks is done. The Contractor is now preparing for the waterproofing works, and casting the water tank slab

*Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandil, Civil Engineer, CMTO/Trigon*

Figure 7: Water Tank



Figure 8: Septic Tank





Protruding Reinforcing Steel shall be guarded or cut if it is not to be used.

Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandil, Civil Engineer, CMTO/Trigon

Figure 9: Protruding Reinforcing Steel



Wire mesh shall be placed firmly to protect loose materials from falling

Photo Credit: May 19<sup>th</sup>, 2021  
Abedalaziz Abu Wandil, Civil Engineer, CMTO/Trigon

Figure 10: Falling Loose Material Protection

### Trigon Quality Field Trip Report Attachment #1

**Notes:**

Date:	Wednesday, May 19, 2021
School Name:	Al Khansa'a Basic Mixed School
Location:	Al Balqa
Program / Phase / Package	SKEP III Package I
Prepared by:	Abedalaziz Abu wandi CMTO/Trigon

#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
<b>A. Excavation</b>				
		Y	Side of Excavations to be Protected	Proper Protection Shall be Used
<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			
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)			
15	External Floor tiles (Interlock /Stone)			



#	Task / Activity	Observations (Y/N)	Findings	Recommendations / Corrective Actions
17	Facades, Roof parapet			
18	Lab Furniture			
19	Ceiling and roof system			
20	Acoustic Ceiling			
21	Facades, Roof parapet			
22	PVC			
23	Carrentina			
24	Expansion joint			
25	Roof insulation (waterproofing membrane)			
26	Flashing 10 cm			
27	Cold Fluid applied for boundary walls and septic tank			
<b>F. Electrical Works</b>				
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			
<b>G. Mechanical Works</b>				
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			
21	Septic Tank			
<b>H. External Works</b>				
1	Boundary walls			
2	C-Channel Finishings			



## 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: 19-5-2021

School Name: Al Khansa'a Basic Mixed School

Location: Al Balqa

Program/Phase/Package: SKEP III/I

Name of Contractor : Derar Saraireh & Sons

Name of Sup. Engineer: Medanat

Prepared by: Abedalaziz Abu wandi 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	Very Good	3
2	Reinforced Concrete (forming, steel, placing, final result, curing)	Very Good	3
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		-
<b>Sub-Total</b>		<b>100%</b>	<b>6</b>
<b>Quality Indicator Grade %</b>		<b>100%</b>	

### NOTES

1	
2	
3	