

FTR # QR 410

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

Site Visit Report Form

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 SKE	P) :
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School Name: Supervisory Engineer (SE) Name: Construction Contractor (CC) Name: Date and Time of Field Trip: Date of Report: Weather During Visit: Prepared By: Submitted By: SKEP PHASE: III PACKAGE: I Um Al Dananir Basic Mixed School Wahib Medanat Consultant Engineers Derar Al Saraireh & Sons for Engineering & Contracting June 15, 2021 9:30 AM June 17, 2021 Sunny 24 ° Talid Hamdan CMTO/Trigon 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
I	Osama Obeid	Sr. Construction Manager	CMTO/Trigon
2	Diana Abu Saleh	Projects Control Engineer	CMTO/Trigon
3	Talid Hamdan	Intern Architect	CMTO/Trigon

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

No.	Name	Title	Agency
I	Mahmoud Maghnam	Resident Engineer	Medanat
2	Saddam Baqaeen	Site Engineer	Medanat
3	Abdullah Al-Zu'bi	Safety Manager	Medanat
4	Saba Amareen	Quantity Surveyor	Medanat
5	Areen Khreisat	Fresh Graduate	Medanat
6	Amro Al Saraireh	Owner of the company	DSS
7	Khaled Bazian	Package manager	DSS



8	Omar Abu Hmour	Site Engineer	DSS	
9	Anas Omran	Safety Engineer	DSS	
10	Muayyad Al Jbour	Safety Officer	DSS	

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**

			Construction Contractor	Supervisory Engineer
Α.	<u>Site Docu</u>	mentation		
			X	X
	1.	Drawings and Specifications on site? (Y/N)	Ý	Y
	2.	CC Safety Plan on site? (Y/N)	Ŷ	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)	N	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>			
		SE has up to date CC Schedule on site? (Y/N) CC has up to date CC Schedule on site? (Y/N)	Y	Y
C.	Exit Obse	ervation		
	13.	What time does CC start work each morning on average? What time does CC stop work each day on average? What is the average # of working hours each day?	7:00 A 4:00 Pt 8 Hour	M

C. DESCRIPTION OF FINDINGS

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

A. Site Documentation

- All of the documents were available and neatly stored.
- Engineer's offices were very organized and the offices' entry was tiled.

B. Health, Safety & Environment (HSE)

- Site gate is well secured.
- Proper scaffolding. However, the lower part should be rebuilt in accordance with safety standards.
- Poor housekeeping at site, a NCR has been sent regarding the matter. construction materials are exposed to external factors and leftover materials should be properly disposed of.
- Health and safety signs were used at site.



- Hygiene, visitors' log station and disinfection stations were available at site.

C. General Quality Observations

- The quality of the casted concrete is as per specification. Only a small spot of segregation has been noticed. It is recommended to treat that spot.
- The cartonal sheets are fixed using small pieces of wood. It is recommended to properly fixate the sheets.

D. Schedule

- Reinforcement, protection board installation, de-shuttering, concrete casting and backfilling works, erecting formwork, cutting and bending steel bars.
- The project is divided into two zones (A&B) with an expansion joint connecting the two zones.
- % of work completed: According to Medanat, 26.38 % of the work is completed.
- The average number of workers working daily on site in the past week is 34.

E. Status of Utility connections / other outstanding issue

- I. <u>Water Supply</u>: Not connected yet
- 2. Wastewater: Not connected yet
- 3. <u>Electricity</u>: Not connected yet
- 4. Other Issue: Neighbor wall encroachment towards the school boundary plot. Existing street encroachment towards the school land and this will affect the construction of the eastern boundary wall, guard room, R/F concrete water tank, transformer's room and parking lot). According to Municipality organizational site plan, there is an existing street. There is contradiction between the municipality site plan and project site plan must be resolved, the MoE and the MPWH will agree on the best solutions for the issues and send them to USAID for their approval.

ATTACHMENTS – as marked below

- I. QUALITY CHECKLIST
- 2. MEETINGS / INSPECTION MINUTES
- 3. HEALTH, SAFETY & EVIRONMENT ATTACHMENT



E. PHOTOS

	USADO NOT NA ADALAN POLIS
	SCHOOLS FOR KNOWLEDGE مشروع مدارس الاقتصاد المعرفي ECONOMY PROJECT
	المرحلة الثالثية / الحزمة الأولسي Phase 3 / Package 1
	مدرسية أم السفائلير الأساسية المغتلطية Um Al Dananir Basic Mixed School
	Owner :
	المالية: وزارة التربيسة والتعليم Ministry Of Education
	Employer : مساحب العمل:
	Ministry Of Public Works And Housing وزارة الاشـفال العامـة والاسكان
	تىريىل: 🔍 Financier
	الوكالة الامريكية للتنمية الدولية United States Agency For
	International Development (USAID) (USAID)
	Designer : مستبع:
	شركة المستشار للهندسية Engicon
	Consultant :
	و هيب مدانات مهندسون Wahib Medanat مستشارون
	Consultant Engineers
1	Contractor : ه المقاول :
1	
P	أسركة ضرار الصرايرة Derar Saraireh & Sons For
P	Derar Saraireh & Sons For واولاده للهندسية والتعهيدات Engineering and Contracting
P	واولاده للهندسية والتعهدات Engineering and Contracting
	واولاده للهندسية والتعهدات Engineering and Contracting واولاده للهندسية والتعهدات Contract Number : 1/2020/USAID/SKEP/3/1
	واولاده للهندسية والتعهدات Engineering and Contracting

FIGURE #01:

Project ID Sign on site.

Photo credit: Talid Hamdan, CMTO/Trigon







FIGURE #02& 03:

The project consists of five floors building, with a total approximate area of 5420 sq.m, in addition to site works. The project will contain a KG on the ground floor, a playground, an exercise area and a basketball court.

Photos credit: Talid Hamdan, CMTO/Trigon

June 15th, 2021



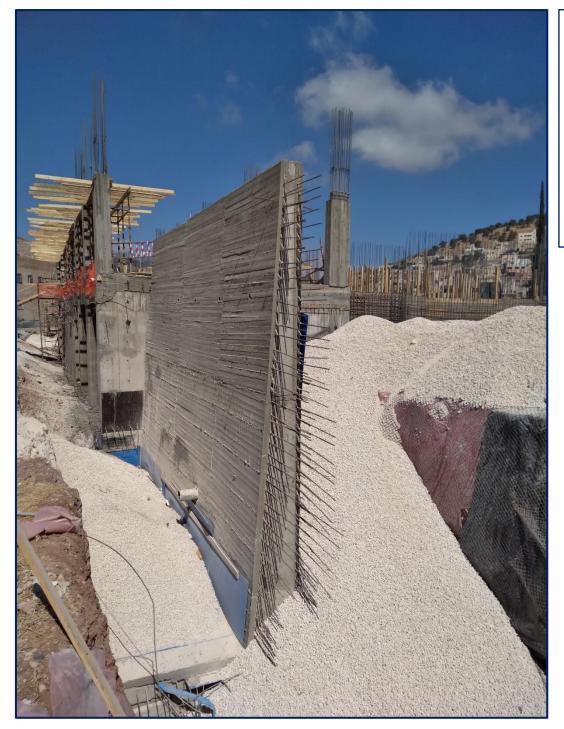


FIGURE #04:

Reinforcement works for the boundary wall are ongoing. The concrete used for the boundary wall is as per specification. Backfilling (single size) works are ongoing.

Photo credit: Talid Hamdan, CMTO/Trigon

June 15th, 2021







FIGURE #05& 06:

The cartonal sheets are fixed using small pieces of wood. It is recommended to properly fixate the Cartonal sheets.

The Trigon team with the SE's team and the CC's team inspecting the work.

Photos credit: Talid Hamdan, CMTO/Trigon







FIGURE #07& 08:

The erected formwork is done as per specification. It is perpendicular to the slab and inflexibly built without undue deflection.

Photos credit: Talid Hamdan, CMTO/Trigon



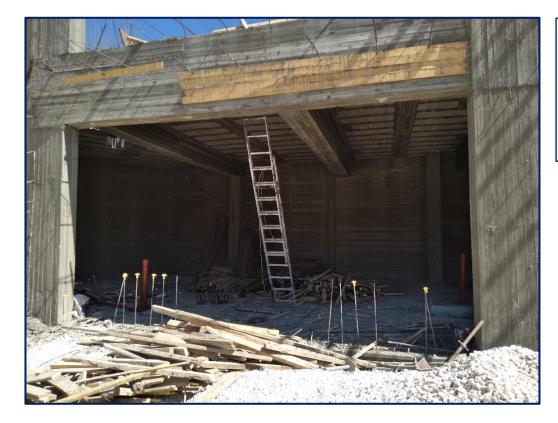


FIGURE #09:

De-shuttering works are ongoing.

Photo credit: Talid Hamdan, CMTO/Trigon

June 15th, 2021



FIGURE #10:

It is recommended to use polystyrene while working with conduits to avoid chipping in concrete that would damage the work.

Photo credit: Talid Hamdan, CMTO/Trigon







FIGURE #11& 12:

Reinforcement works for GF slab in zone A.

Backfilling works are ongoing.

Photos credit: Talid Hamdan, CMTO/Trigon





FIGURE #13:

Neighboring wall issue is still ongoing, the MoE and the MPWH will agree on the best solution for the issue and send it to USAID for their approval.

Photo credit: Talid Hamdan, CMTO/Trigon

June 15th, 2021



FIGURE #14:

The lower part of Scaffolding must be rebuilt in accordance with safety standards.

Photo credit: Talid Hamdan, CMTO/Trigon





FIGURE #15:

Concrete quality is done as per specification.

Photo credit: Talid Hamdan, CMTO/Trigon

June 15th, 2021



FIGURE #16:

Only a small spot of segregation was noticed during the site tour. It is recommended to treat the segregation before further works.

Photo credit: Talid Hamdan, CMTO/Trigon







FIGURE #17& 18:

Poor housekeeping at site, a NCR has been sent regarding the matter. construction materials are exposed to external factors and leftover materials should be properly disposed of.

Photos credit: Talid Hamdan, CMTO/Trigon



F. Training

Titled: How can Site Engineers use Construction Schedule on Site?

Presented by: Trigon/CMTO Team: Eng. Osama Obeid and Eng. Diana Abu Saleh

Brief Summary:

The presentation included three parts:

Part 1: Explained how the construction schedule is produced by a Planning Engineer; this part explained how implementing a schedule at site is a contractual requirement, its importance and the benefits gained from it. Defining the schedule and how to produce a schedule using the critical path method.

Part 2: Explained how to manage site activities using a practical schedule by the site team; this part included how to derive a practical schedule from the Master schedule, home office support (engineering and procurement department), how to update the practical schedule by site engineers, how to assess the work progress by site team, regular meetings between Supervision and Contractor site teams, elements that impact the construction schedule and the need for a corrective action plan.

Part 3: included some scheduling tips, a discussion and questions.

Attendees

No.	Name	Title	Agency
I	Osama Obeid	Sr. Construction Manager	CMTO/Trigon
2	Diana Abu Saleh	Projects Control Engineer	CMTO/Trigon
3	Talid Hamdan	Architect	CMTO/Trigon
4	Suhair Amareen	Project Director	Medanat
5	Natheer Amareen	Project Manager	Medanat
6	Hassan Shaqbua	Quality Control Manager	Medanat
7	Mahmoud Maghnam	Resident Engineer	Medanat
8	Saddam Baqaeen	Site Engineer	Medanat
9	Qais Malak	Site Engineer	Medanat
10	Taher Rabie	Site Engineer	Medanat
П	Abdullah Al-Zu'bi	Safety Manager	Medanat
12	Saba Amareen	Quantity Surveyor	Medanat
13	Areen Khreisat	Fresh Graduate	Medanat
14	Khaled Jahaleen	Fresh Graduate	Medanat



15	Maram Abuawwad	Fresh Graduate	Medanat
16	Amro Al Saraireh	Owner of the company	DSS
17	Khaled Bazian	Package manager	DSS
18	Omar Abu Hmour	Site Engineer	DSS
19	Anas Shdarfat	Site Engineer	DSS
20	Rami Al Haj	Site Engineer	DSS
21	Yousef Abu Znaimh	Planning Engineer	DSS
22	Anas Omran	Safety Engineer	DSS
23	Muayyad Al Jbour	Safety Officer	DSS
24	Dema Dababseh	Fresh Graduate	DSS
25	Abdallah Al Dabbas	Fresh Graduate	DSS













FIGURE #19,20,21& 22:

Group photo.

The presenters.

Photos credit: Areen Khreisat, Medanat



Trigon Quality Field Trip Report Attachment #I

N	otes
	olea

Notes:							
	Date: 6/15/2021						
	School Name: Um Al Dananir Basic Mixed School						
	Location: Balga						
		ackage SKEP III Pck 1					
		ared by: Talid Hamdan CM	TOTrigon				
	Ртера		TO/Thgoh				
	- - - - - - - - - -	Observ-					
#	Task / Activity	ations	Findings	Recommendations / Corrective Actions			
		(Y/N)					
A. Excavation							
A. Excavation							
B. Backfilling		Y	Backfilling works are ongoing				
			Backhing works are ongoing				
C. SubStructural.	Concrete,Foundations						
1 Steel Bar							
2 Footings							
3 Ground bea	ms						
4 Tie beams							
5 Column nec	:k						
6 Column							
7 Cartonal she		Y	The cartonal sheets are fixed using small pieces of wood	It is recommended to properly fixate the sheets			
8 waterproofin	ng(Insulation)						
9 Slab on grad							
D. SuperStructura	al, Concrete,Masonry works						
1 Columns		Y	Only a small spot of segregation has been noticed	It is recommended to treat that spot			
2 Beams				It is recommended to treat that spot			
2 Beams 3 Slabs		Y Y	Only a small spot of segregation has been noticed Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof	note Plack (interacl)			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond	crete Block (internal)			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond	crete Block (internal) crete Block (external)			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel	crete Block (external)			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat	crete Block (external) ural Stones			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co	crete Block (external) ural Stones pnuits/ sleeves			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat	crete Block (external) ural Stones pnuits/ sleeves			It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works	crete Block (external) ural Stones pnuits/ sleeves ipes/sleeves		Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works	crete Block (external) ural Stones onuits/ sleeves ipes/sleeves tes	Y		It is recommended to treat that spot			
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2 Beams 3 Slabs 4 Roof 5 Hollow Conc 6 Hollow Conc 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce	crete Block (external) ural Stones nuits/ sleeves ipes/sleeves tes ors ssories	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Conc 6 Hollow Conc 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum W	crete Block (external) ural Stones nuits/ sleeves ipes/sleeves tes ors ssories Vindows	Y	Erecting formwork as per specification	It is recommended to treat that spot			
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2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scru 7 Steel protec	crete Block (external) ural Stones nuits/ sleeves ipes/sleeves tes ors ssories Vindows een ction	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scrift 7 Steel protec 8 Granite sill f	crete Block (external) ural Stones inuits/ sleeves ipes/sleeves tes ors ssories Vindows een ttion or window	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gal 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scru 7 Steel protect 8 Granite sill f 9 Plastering (I	crete Block (external) ural Stones inuits/ sleeves ipes/sleeves tes ors ssories Vindows een tion or window internal)	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Conc 6 Hollow Conc 7 C-Channel 8 Clading Nat 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scru 7 Steel protec 8 Granite sill f 9 Plastering (I 10 Plastering (I	crete Block (external) ural Stones inuits/ sleeves ipes/sleeves tes ors ssories Vindows een tion or window internal)	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nati 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scrr 7 Steel protec 8 Granite sill f 9 Plastering (f 10 Plastering (f 11 Wall Paint	crete Block (external) ural Stones onuits/ sleeves ipes/sleeves tes ors ssories Vindows een etion for window internal) External)	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nati 9 Electrical co 10 Mechnical p E. Civil Works 1 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum W 6 Window scrutrer 7 Steel protect 8 Granite sill f 9 Plastering (I 10 Plastering (I 11 Wall Paint 12 Ceiling Pain	crete Block (external) ural Stones onuits/ sleeves ipes/sleeves tes ors ssories Vindows een etion for window internal) External)	Y	Erecting formwork as per specification	It is recommended to treat that spot			
2 Beams 3 Slabs 4 Roof 5 Hollow Cond 6 Hollow Cond 7 C-Channel 8 Clading Nati 9 Electrical co 10 Mechnical p E. Civil Works 1 Access /Gat 2 Steel Doors 3 Wooden Do 4 Door's acce 5 Aluminum V 6 Window scrr 7 Steel protec 8 Granite sill f 9 Plastering (f 10 Plastering (f 11 Wall Paint	crete Block (external) ural Stones inuits/ sleeves ipes/sleeves tes ors ssories Vindows een tion or window Internal) External) t	Y	Erecting formwork as per specification	It is recommended to treat that spot			



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



#	Task / Activity	Observ- ations (Y/N)	Findings	Recommendations / Corrective Actions
	Fence			
4	Epoxy paint Landscaping			
5	Landscaping			
6	External Paint			
7	Football/ Basketball Playground			
8	Football/ Basketball Playground 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:		
	School Name:	Um Al Dananir Basic Mixed School	
	Location:		
	Program/Phase/Package:	SKEP/III/I	
	Name of Contractor :	Derar Al Saraireh & Sons for	
		Engineering & Contracting	
	Name of Sup Engineer	Wahib Medanat Consultant	
	Name of Sup. Engineer:	Engineers	
	Prepared by:	Talid Hamdan CMTO/Trigon	
	DE KEY (Quality Observations) Very Good\	-	
	Acceptable	-	
	Poor	-	
ene	ral Observations : (Yes = 2 / No = 1)		
ŧ	General QC Management Observations (33% of Grade)	STATUS	GRADE
	QC Plan Approved By Supervising Engineer	Yes	2
2	QC Plan on-Site and Used by Construction Contractor	Yes	2
;	Approved Schedule On Site	Yes	2
ł	Approved Shop Drawings On Site	Yes	2
;	Approved Material Submittals On Site	Yes	2
;	Material Acceptance/Rejection Forms Used On Site	Yes	2
, ,		Yes	
	Material Acceptance/Rejection Tracking Log in Monthly Report	<u>++</u>	2
}	Hard Copy Drawings/Specifications On Site	Yes	2
)	Hard Copy Drawings Marked Up Daily to Be As-Built	Yes	2
0	Supervisory Engineer Has and Uses Specification Testing Plan	Yes	
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade)		
ŧ	Sub-Total	100%	20 GRADE
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works	100% STATUS Very Good	20 GRADE 3
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade)	100% STATUS	2 20 GRADE 3 2
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing)	100% STATUS Very Good	20 GRADE 3
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation	100% STATUS Very Good	20 GRADE 3
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering	100% STATUS Very Good	20 GRADE 3
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 7	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 7 7	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 5 7 3 9	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 5 7 7 8 9 0	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting	100% STATUS Very Good	20 GRADE 3
¢	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater)	100% STATUS Very Good	20 GRADE 3
# 2 3 4 5 5 7 3 0 1 2	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works	100% STATUS Very Good	20 GRADE 3
≠ 2 3 4 5 5 7 3 0 1 2 3 1 2 3	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator	100% STATUS Very Good	20 GRADE 3
# 2 3 4	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 5 7 3 3 0 0 1 1 2 2 3 3 4 4 5	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane	100% STATUS Very Good	20 GRADE 3
# 2 3 4 5 6	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting External Painting External Painting External Painting External Aplumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane Site Works	100% STATUS Very Good	20 GRADE 3
# 2 3 4 5 6	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane	100% STATUS Very Good	20 GRADE 3
# 2 3 4 5 6	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting External Painting External Painting External Painting External Aplumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane Site Works	100% STATUS Very Good	20 GRADE 3
¢ 2 3 4 5 5 7 7 3 9 0 0 1 1 2 2 3 3 4 5 5 6 6 7	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Painting External Painting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane Site Works Protection of Completed Works Post Construction Cleaning	I00% STATUS Very Good Acceptable	20 GRADE 3 2 - - - - - - - - - - - - - - - - - -
¢ 2 3 4 5 5 7 7 3 9 0 0 1 1 2 2 3 3 4 5 5 6 6 7	Sub-Total Activity Quality/Workmanship Observations (67% of Grade) Excavation and Backfilling Works Reinforced Concrete (forming, steel, placing, final result, curing) External Wall Façade Floor Tiles Installation Internal Plastering External Plastering Doors Windows Internal Planting External Painting Mechanical and Plumbing (HVAC, Water Supply, Wastewater) Electrical Works Elevator Internal Wall Tiling Roof Waterproof Membrane Site Works Protection of Completed Works Post Construction Cleaning Sub-Total Quality Indicator Grade %	I00% STATUS Very Good Acceptable	20 GRADE 3 2 - - - - - - - - - - - - - - - - - -