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Schools for Knowledge Economy Project (SKEP III)

Funded by the United States Agency for International Development

Phase III/ Package (2)

10/2019/USAID/SKEP/3/2

- Thahr Al-Sarow Basic School for Boys- Jerash
- Jumana Bint Abi Taleb Basic Mixed School- Amman
- Hay Al-Iskan Basic Mixed School- Jerash


Monthly Progress Report

No. (5)

February. 2021



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Monthly Progress Supervision Report

February 2021

List of Abbreviations

MOE	Ministry of Education
MPWH	Ministry of Public Works & Housing
USAID	United States Agency for International Development
SKEP	Schools for Knowledge Economy Project
JEA	Jordan Engineers Association

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Project Particulars

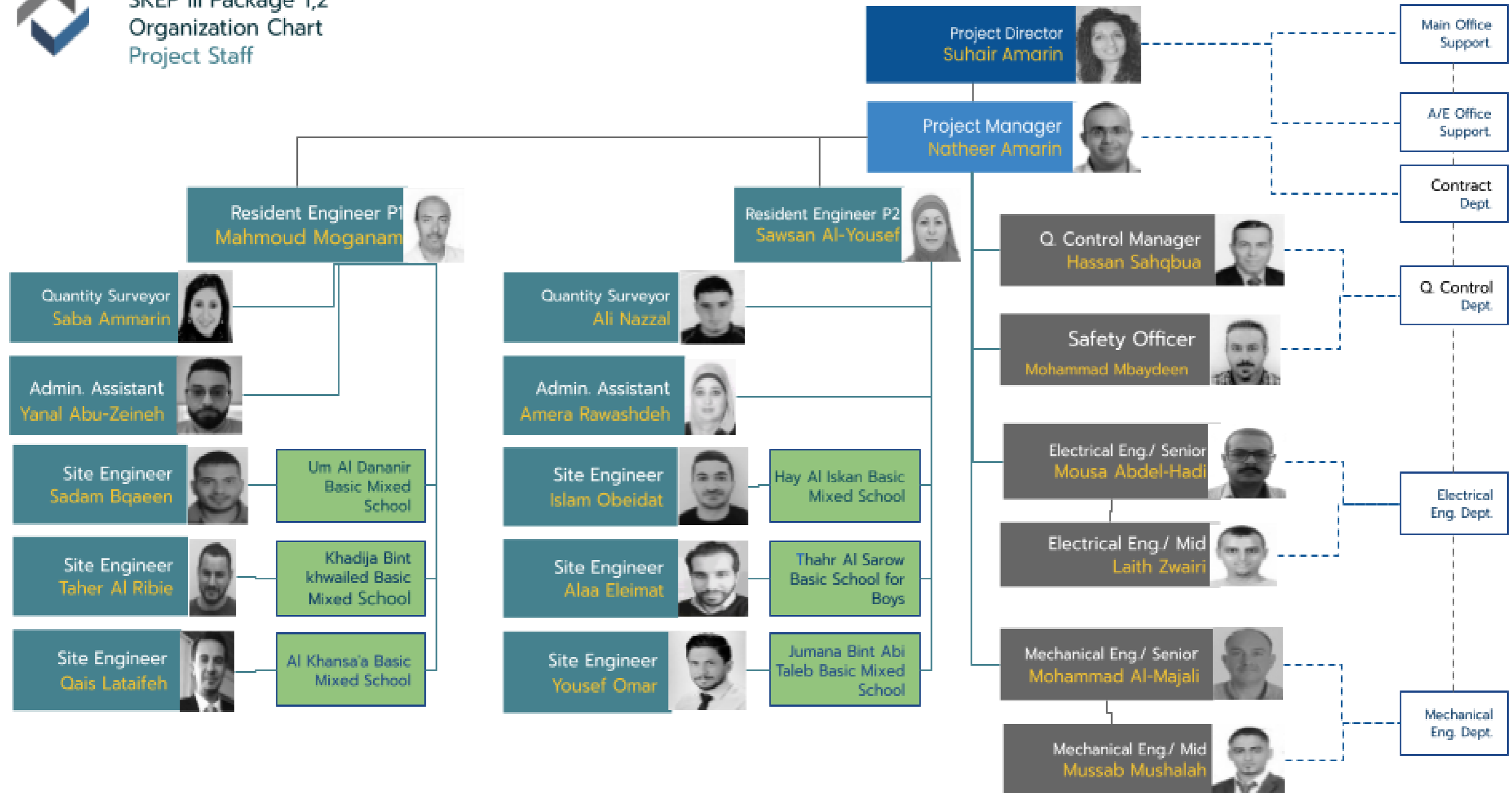
Contract Name:	School for Knowledge Economy Project (SKEP) Phase III – Package (2)
Owner:	Ministry of Education (MOE)
Employer:	Ministry of Public Works & Housing (MPWH)
Funded By:	United States Agency for International Development (USAID)
Consultant:	Wahib Medanat Consultant Engineers
Project Management:	Trigon Associates (CMTO)
Contractor:	Dijlah Establishment Constr. Contracting
Contract No.:	10/2019/USAID/SKEP/3/2
Commencement Date:	21/10/2020
Time for Substantial Completion of the Work:	Thahr Al-Sarow Basic School for Boys- Jerash: 450 Days Jumana Bint Abi-Taleb Basic Mixed School- Amman: 450 Days Hay Al Iskan Basic Mixed School – Jerash: 450 Days
Time to Complete the Work Including Punch List Items:	Within 14 Calendar days for each School from the date of taking over committee inspection
Contract Amount at Award:	8,314,983.735 JOD
Amount of Liquidated Damages:	Thahr Al Sarow Basic School for Boys- Jerash: 2000 JOD/ Day but not to exceed 15% of total amount for the School Jumana Bint Abi Taleb Basic Mixed School- Amman: 200 JOD/ Day but not to exceed 15% of total amount for the School Hay Al Iskan Basic Mixed School- Jerash: 2000 JOD/ Day but not to exceed 15% of the total amount for the School
Defects Liability Period:	(730) Calendar Days for all Civil & Electromechanical works from the date of

	Substantial Completion for each school including the maintenance of plantation works
Maintenance Guarantee for Defects Liability Period:	5% of the final Contract Sum
Percentage of Retention from Interim Payment Certificate:	10% of each payment
Limit of Retention Money:	5% of Contract Sum as amended
Period of Time for Payment to be made after Certification by the Engineer:	60 Calendar Days
Minimum Amount of Interim Payment Certificate:	JOD 300,000 (Three hundred thousand Jordanian Dinar) for all schools under the Package
Payment for Imported Materials	40% upon receipt of approved bill of lading and another 20% when stored on site to the Engineer's approval
Payment for Local Materials and Equipment	60% and restricted to cement and reinforcing steel when stored on site to the Engineer's approval.

Supervision Staff Members



SKEP III Package 1,2
Organization Chart
Project Staff



Executive Summary

The Ministry of Education represented by the Ministry of Public Works & Housing has received a grant from USAID to finance the construction of:

School for Knowledge Economy Project (SKEP) – Phase III – Package (2)

The package consists of construction of three (3) Schools at different locations, two schools in Jerash and one School in Amman.

The project consists of construction of new classrooms, computer labs, laboratories, public utilities...etc., and site works for group of schools as shown in the Tender Documents, the Schools are:

- Thahr Al-Sarow Basic School for Boys – Jerash
The project consists of five floors building, with a total approximate area of 4615 m² in addition to site works as deemed in the drawings and BOQ.
- Jumana Bint Abi Taleb Basic Mixed School – Amman
The project consists of five floors building, with total approximate are of 5460 m² in addition to site works a deemed in the drawings and BOQ.
- Hay Al-Iskan Basic School Mixed School – Jerash
The project consists of five floors building, with total approximate area of 5420 m² in addition to site works as deemed in the drawings and BOQ.

Hereunder is a table showing the main progress information about the project:

No.	Object	Information
1.	Time Elapsed	131 Days out of 450 = 29.11% Since the Commencement Date of the Contractor is on 21st October 2020 .
2.	Contract Value (JOD)	8,314,983.735 JOD
3.	Payments	10 % - First Part of Mobilization Payment = 831,498.3735 JOD
4.	Mobilization %	100 %
5.	Construction %	18.93 % (average for 3 schools)
6.	Guarantees	10 % Performance Guarantee= 831,498.3735 JOD

(Table 1. Main Progress Information)

Summary of Activities

- Thahr Al Sarow Basic School for Boys- Jerash
- Jumana Bint Abi Taleb Basic Mixed School- Amman
- Hay Al Iskan Basic Mixed School- Jerash

Thahr Al Sarow Basic School for Boys- Jerash

Item No.	Item Description	Qty	Unit
1.1a	Provide complete prefabricated temporary site offices for the Engineer	80	m2
1.1b	Provide furniture and equipment to the site offices	1	L.S
1.1c	Provide all services to site offices	5	month
1.1d	Provide steel fence of 2 m high around construction site	317	LM
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.
2.1.1a	General Excavation (Common Excavation) for building and external works	1467	m3
2.1.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	1704	m3
2.1.2a	Supply and install crushed stone single size aggregate	500	m3
2.3.1a	Aggregate base Course	220	m3
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	94.5	m3
3.2.1b	Blinding for boundary walls, sewage collection tank and site works.	31.43	m3
3.2.2	Plain concrete (grade 20), 20N/mm2 under Ground beam	7.56	m3
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	702.97	m3
3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (UPVC dia 10 cm) staggered as per drawings	358.65	m3

3.2.4a	Reinforced concrete grade 35, of 35N/mm ² for walls and columns under slab on grade	96	m ³
3.2.5a	Reinforced concrete grade 20 for slab on grade under school building, guard house and canteen.	180	m ³
3.5.1a	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	73.54	ton
3.5.1b	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for boundary walls.	46.7	ton
7.2.1a	Supply and apply three perpendicular coats cold fluid applied damp proofing for buildings: to all structural elements below slab on grade.	2000	m ²
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	660	m ²
7.4.1a	Supply and install polyethylene sheets 250 micron below slab on grade under school building, guard house and canteen.	1200	m ²

Jumana Bint Abi Taleb Basic Mixed School- Amman

Item No.	Item Description	Qty	Unit
1.1a	Provide complete prefabricated temporary site offices for the Engineer	120	m2
1.1b	Provide furniture and equipment to the site offices	1	L.S
1.1c	Provide all services to site offices	5	month
1.1d	Provide steel fence of 2 m high around construction site	514.5	LM
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.
2.1.1	Demolish and remove away a. Existing Concrete slabs b. Existing boundary wall c. Existing Fence	0.7	LS
2.2.1a	General Excavation (Common Excavation) for building and external works	25108.2	m3
2.2.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	2033.15	m3
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	161.46	m3
3.2.1b	Blinding for boundary walls, sewage collection tank and site works.	54.585	m3
3.2.2	Plain concrete (grade 20), 20N/mm2 under Ground beam	6.84	m3
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	1187.81	m3

3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (UPVC dia 10 cm) staggered as per drawings	495	m3
3.2.4a	Reinforced concrete grade 35, of 35N/mm2 for walls and columns under slab on grade	120	m3
3.2.10	Supply and apply cyclopean concrete, consist of concrete with compressive strength 20N/mm2	78	m3
3.5.1a	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	94	ton
3.5.1b	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for boundary walls.	45	ton
7.2.1a	Supply and apply three perpendicular coats cold fluid applied damp proofing for buildings: to all structural elements below slab on grade.	2500	m2
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	700	m2

Hay Al Iskan Basic Mixed School- Jerash

Item No.	Item Description	Qty	Unit
1.1a	Provide complete prefabricated temporary site offices for the Engineer	80	m2
1.1b	Provide furniture and equipment to the site offices	1	L.S
1.1c	Provide all services to site offices	5	month
1.1d	Provide steel fence of 2 m high around construction site	352	LM
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.
2.2.1a	General Excavation (Common Excavation) for building and external works	8831	m3
2.2.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	3353	m3
2.4.1a	Aggregate base Course	320	m3
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	143.6	m3
3.2.1b	Blinding for boundary walls, sewage collection tank and site works.	32.052	m3
3.2.2	Plain concrete (grade 20), 20N/mm ² under Ground beam	7.2	m3
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	710.15	m3
3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (UPVC dia 10 cm) staggered as per drawings	481.8	m3
3.2.4a	Reinforced concrete grade 35, of 35N/mm ² for walls and columns under slab on grade	220	m3

3.2.5a	Reinforced concrete grade 20 for slab on grade under school building, guard house and canteen.	41.25	m3
3.2.7	Extra over for structural fair faced concrete finish for basement walls , water tank, sewage collecting tank walls and wherever required.	290	m2
3.2.9	Supply and apply cyclopean concrete, consist of concrete with compressive strength 20N/mm2	406	m3
3.5.1a	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	79.72	ton
3.5.1b	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for boundary walls.	41	ton
3.5.1c	Supply, cut to size, fabricate, hoist and install deformed high yield steel bar reinforcement for water tank	14	ton
7.2.1a	Supply and apply three perpendicular coats cold fluid applied damp proofing for buildings: to all structural elements below slab on grade.	3500	m2
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	1000	m2
7.4.1a	Supply and install polyethylene sheets 250 micron below slab on grade under school building, guard house and canteen.	275	m2

Meetings and Site Visits Logs

Coordination and Progress Meetings

Coordination & Progress Meetings				
No.	Date	Location	Parties	Agenda
1	21/02/2021	Wahib Medanat Consultant Engineers Office	<ul style="list-style-type: none"> ▪ MPWH ▪ USAID ▪ CMTO ▪ UNOPS ▪ ESMP ▪ Mostaqbal ▪ Bitar Consultants ▪ Wahib Medanat ▪ Derar Saraireh & Contr. 	<p>Roll Out of Medanat SKEP III Website</p> <ul style="list-style-type: none"> ▪ Medanat SKEP III Website aims to: <ol style="list-style-type: none"> 1- Saving Time 2- Saves Money 3- Improves Overall Teamwork and CM Coordination 4- Helps Architects and Engineers Reduce COVID-19 Disease Transmission: 5- Increases General Accuracy of All CM/CA Work: 6- Street to help the Contractor staff and our staff. 7- Eliminate the need to keep files. 8- A way we can track Non-Conformances- what is the latest action. 9- This is also Document Controller System. 10- To provide Furniture- Use it to develop their plan- JSEP IV example.
2	24/02/2021	Wahib Medanat Consultant Engineers Office	<ul style="list-style-type: none"> ▪ MPWH ▪ TRIGON ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr. 	<p>Monthly Progress Meeting</p> <ul style="list-style-type: none"> ▪ Project Description by RE. ▪ Health, Safety and Environment ▪ Site borders and boundary walls. ▪ Progress review in general

				<ul style="list-style-type: none"> ▪ Construction Schedule and Update- Using the construction schedule, review and projection/ The Contractor. ▪ Quality Control ▪ Status of Submittals
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(Table 2. Coordination & Progress Meetings)

Site Visits

Site Visits				
No.	Date	Location	Parties	Agenda
1	09/02/2021	Hai Al Iskan Basic Mixed School- Jerash	<ul style="list-style-type: none"> ▪ Eng. Osama Obaid, Eng. Mohammad Sami- CMTO ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr. 	<ul style="list-style-type: none"> ▪ Safety paths and scaffolding. ▪ Backfilling behind the retaining and boundary walls. ▪ The regulatory street and redesign for a part of the external works
2	09/02/2021	Thahr Al Sarow Basic School for Boys- Jerash	<ul style="list-style-type: none"> ▪ Eng. Osama Obaid, Eng. Mohammad Sami- CMTO ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr. 	<ul style="list-style-type: none"> ▪ Steel reinforcement of the ground beams (no intermediate steel bars), executed as per design drawings. ▪ Backfilling behind boundary walls. ▪ Plot limit (site obstacles).

3	22/02/2021	Hai Al Iskan Basic Mixed School- Jerash	<ul style="list-style-type: none"> ▪ MPWH-Eng. Basema Shehan, Eng. Olananabteh, Eng. Dua'a Othman ▪ USAID-Eng. Tareq Rashdan ▪ CMTO- Michael McGovern, Eng. Osama Obaid ▪ Wahib Medanat- Eng. Wahib Medanat, Arch. Suhair Amarin, Eng. Natheer Amarin ▪ Dijlah Est. Const. Contr. 	<ul style="list-style-type: none"> ▪ The agreed upon points during the said visit are: <ol style="list-style-type: none"> 1- The designer (Engicon) surveyor shall follow up with Jerash Greater Municipality in order to obtain the coordination's and profile of the subject street. 2- At the present time, the designer will send a modified site plan that includes the new location of the water tank, so the Contractor can proceed with the work along with the other concrete works and without any delay. 3- The boundary wall at this land side will be executed once the designer provides the modified drawings according to the location of the new street.
	22/02/2021	Thahr Al Sarow Basic School for Boys- Jerash	<ul style="list-style-type: none"> ▪ MPWH-Eng. Basema Shehan, Eng. Olananabteh, Eng. Dua'a Othman ▪ USAID-Eng. Tareq Rashdan ▪ CMTO- Michael McGovern, 	<ol style="list-style-type: none"> 1- Plot limit issue was discussed. 2- The designer requested to provide him with the coordination of the proposed boundary wall as per the revised site plan included in the design drawings, also the locations of the existing electrical

			<p>Eng. Osama Obaid</p> <ul style="list-style-type: none"> ▪ Wahib Medanat- Eng. Wahib Medanat, Arch. Suhair Amarin, Eng. Natheer Amarin ▪ Dijlah Est. Const. Contr. 	poles and if there are any other utilities.
4	25/02/2021	Jumana Bint Abi Taleb Basic Mixed School-Amman	<ul style="list-style-type: none"> ▪ TRIGON, Eng. Osama Obaid, Eng. Taleed Hamdan, Eng. Mohammed Sami ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr. 	<ul style="list-style-type: none"> ▪ Follow up the progress of work. ▪ Checking the available documents at site (shop drawings, inspection requests, etc.) ▪ Discussing the actual progress and comparing it with the updated work schedule.
Regular Monthly Sits Visits (Home Office Support)				
1	16/02/2021	Thahr Al Sarow Basic School for Boys- Jerash	<ul style="list-style-type: none"> ▪ Engineers Rep 	<ul style="list-style-type: none"> ▪ Follow up the execution of the work and comparing it with the updated schedule. ▪ Discussing the submitted price offers of the recommended backfilling (selected materials) for the unconfined areas. ▪ Discussing the delay of submitting the mechanical materials and its effect on the work progress.

2	16/02/2021	Hai Al Iskan Basic Mixed School- Jerash	<ul style="list-style-type: none"> ▪ Engineers Rep 	<ul style="list-style-type: none"> ▪ Follow up the progress of executing back-filling (single size) behind the retaining and boundary walls. ▪ Discussing the results of the Base coarse test report. It is recommended to remove all the delivered quantities out of the construction site. ▪ Discussing the delay in the submission of the mechanical shop drawings and the effects of such an Issue on the progress of work.
3	27/02/2021	Jumana Bint Abi Taleb Basic Mixed School- Amman	<ul style="list-style-type: none"> ▪ Engineers Rep 	<ul style="list-style-type: none"> ▪ Follow up the work progress compared to the updated work schedule. ▪ Check the quality of the execute works. ▪ Discussing undetermined mechanical issues such as valves,...etc

(Table 3. Site Visits)

Correspondences Log

Official Letters		
Number of Incoming Letters	Number of Outgoing Letters	Notes
79	53	

(Table 4. Correspondences Log)

Submittals Logs

Shop Drawing Log

Shop-Drawings				
Submittal	Arch.	Civil	Electrical	Mechanical
	No.	No.	No	No.
Total	5	118	10	19
Submitted This Month	4	21	-	6
Approved	-	3	-	-
Approved as Noted	-	15	-	2
Resubmit	3	-	-	-
Reject	1	2	-	4
Under Revision	-	1	-	-
Remaining	-	-	-	-

(Table 5. Submittals Log- Shop Drawings)

Materials Log

Material Submittals				
Submittal	Arch.	Civil	Electrical	Mechanical
	No.	No.	No	No.
Total	31	20	46	37
Submitted this Month	7	-	14	7
Approved	1	-	3	-
Approved as Noted	1	-	3	3
Resubmit	1	-	8	4
Reject	4	-	-	-
Under Revision	-	-	-	-
Remaining	-	-	-	-

(Table 6. Submittals Log- Material Submittals)

Lab-Tests Results Log

Lab-Test Reports			
Number of Reports	School Name	Test Results %	
		Pass	Fail
35	Thahr Al Sarow Basic School Boys- Jerash	95%	5%
22	Jumana Bint Abi Taleb Basic Mixed School- Amman	95%	5%
38	Hay Al Iskan Basic Mixed School- Jerash	91%	9%

(Table 7. Lab-Tests Results Log)

Demolition Reports Log

Demolition Log			
No.	School Name	Location	Demolition Works Status
1	Thahr Al Sarow Basic School for Boys	Jerash	No Demolition Works is needed in this site
2	Jumana Bint Abi Taleb Basic Mixed School	Amman	No Demolition Works is needed in this site
3	Hay Al Iskan Basic Mixed School	Jerash	No Demolition Works is needed in this site

(Table 8. Demolition Log)

Grid 3X3 Inspection Report

Grid Inspection Report					
No.	Contractor	School Name	Inspected	Status	Date of Approval
1	Dijlah Est. Contr. Const.	Thahr Al Sarow Basic School for Boys –Jerash	Yes	Approved	11/10/2020
2		Jumana Bint Abi Taleb Basic Mixed School - Amman	Yes	Approved	11/10/2020
3		Hay Al Iskan Basic Mixed School - Jerash	Yes	Approved	11/10/2020

(Table 9. Grid 3x3 Inspection Report)

Progress Table

Progress Table						
No	School Name	Project Duration (Days)	Time Elapsed (Days)	Completion %		
				Planned	Actual	Progress (Planned-Actual)
1	Thahr Al Sarow Basic School for Boys –Jerash	450 Days	103 Days	20.20%	18.80%	-1.40%
2	Jumana Bint Abi Taleb Basic Mixed School - Amman	450 Days	103 Days	20.20%	20.00%	-0.20%
3	Hay Al Iskan Basic Mixed School - Jerash	450 Days	103 Days	20.20%	17.80%	-2.40%

(Table 10. Progress Table)

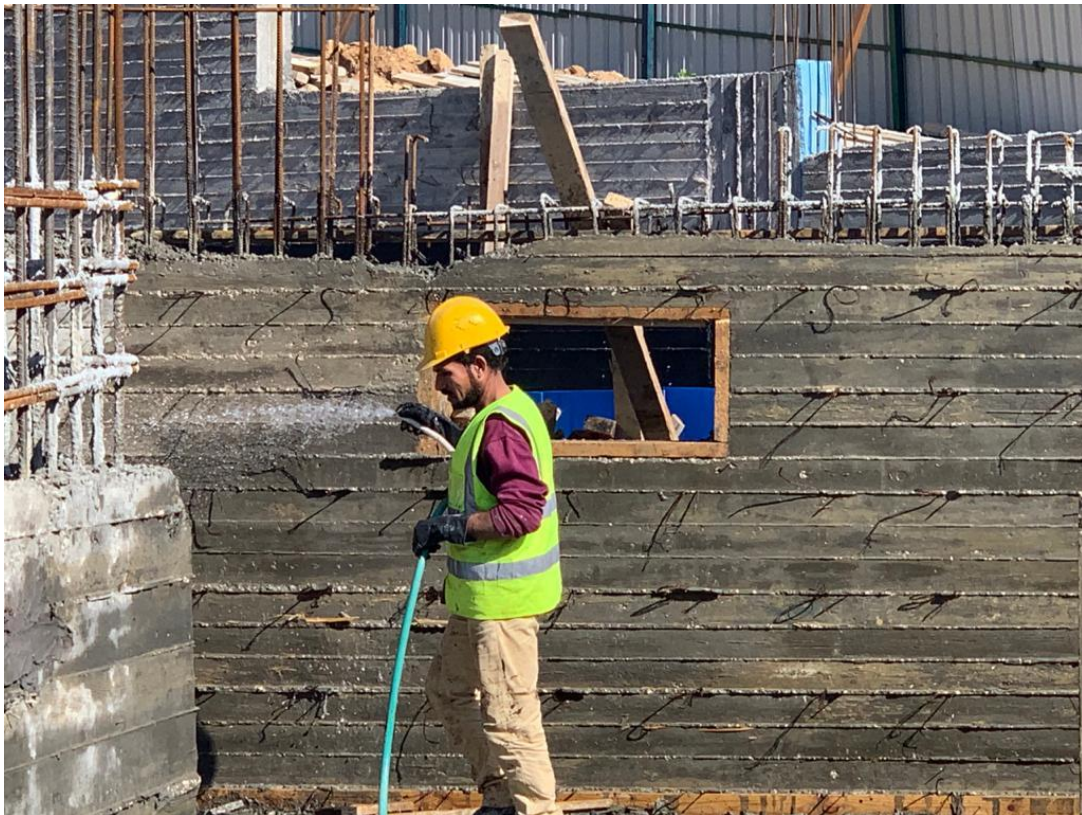
Selected Photos

- Thahr Al Sarow Basic School for Boys- Jerash
- Jumana Bint Abi Taleb Basic Mixed School- Amman
- Hay Al Iskan Basic Mixed School- Jerash



Thahr Al
Sarow
Basic
School
for
Boys-
Jerash

02/02/2021



07/02/2021



21/02/2021



28/02/2021



Jumana
Bint Abi
Taleb
Basic
Mixed
School-
Amman

10/02/2021



17/02/2021



23/02/2021



28/02/2021



Hay Al
Iskan
Basic
Mixed
School-
Jerash

07/02/2021



10/02/2021



14/02/2021



27/02/2021

Site Problems and Solutions:

Thahr Al Sarow Basic School for Boys-Jerash:

The Contractor sent a letter informing that the plot boundary issue is not solved yet despite his following up with Jerash Municipality, MPWH is addressed in this regard/ **Pending**.

Jumana Bint Abi Taleb Basic Mixed School- Amman:

The Contractor executed an adjacent wall to the existing one since the existing wall is considered as a shoring system for the existing planter and trees of the neighbor.

Mockup rooms issue still **pending**.

Hay Al Iskan Basic Mixed School-Jerash:

A (10 m) regulatory street is planned to be executed by deduction 5 m along the south eastern side of the construction land, the other 5 m will be deducted from the neighbor land and this is according to the land deeds drawing enclosed with the design drawings. The Employer is addressed in this regard- we are awaiting their decision/ **Pending**.

Annexes

- **Annex 1. Site Resources Log**

- 1.1 Daily Plant & Equipment Log
- 1.2 Daily Manpower Log
- 1.3 Percentage of Completion
- 1.4 Log of Activities
- 1.5 Cash-Flow

- **Annex 2. Correspondence Log**

- 2.1 Incoming Letters
- 2.2 Outgoing Letters

- **Annex 3. Submittals Log**

- 3.1 Architectural Submittals
 - 3.1.1 Arch. Shop Drawings
 - 3.1.2 Arch. Materials Submittal
- 3.2 Electrical Submittals
 - 3.2.1 Elect. Shop Drawings
 - 3.2.2 Elect. Materials Submittal
- 3.3 Mechanical Submittals
 - 3.3.1 Mech. Shop Drawings
 - 3.3.2 Mech. Materials Submittal
- 3.4 Civil Submittals
 - 3.4.1 Civil Shop Drawings
 - 3.4.2 Civil Materials Submittal

- **Annex 4. Site Visits Report & Meetings**

- 4.1 Coordination & Progress Meetings
- 4.2 Site Visits

- **Annex 5. RFI Tracking Log**

- 5.1 RFIs – Designer
- 5.2 RFIs – Contractor

- **Annex 6. Lab-Tests**

- 6.1 Tracking Log
- 6.2 Excerpts of Sampling & Testing

- Annex 7. Mobilization Tracking Log
- Annex 8. Non-Conformance Report Tracking Log
- Annex 9. Materials Submittals
 - 9.1 Architectural Submittals
 - 9.2 Electrical Submittals
 - 9.3 Mechanical Submittals
 - Summary of Submitted Materials
- Annex 10. Obstacles Log (Site Obstacles)
- Annex 11. Links:
 - 11.1 Location Links
 - 11.2 Web Site Reports Links

Annex -1-

Site Resources Logs

1.1 Daily Plant & Equipment Log

1.2 Daily Manpower Log

1.3 Percentage of Completion
(Progress Charts)

1.4 Log of Activities
(Completed & In-Progress)

1.5 Cash-Flow Charts

Annex -1-

1.1 Daily Plant & Equipment Log

1.1 Daily Plant & Equipment Log

Wahib Medanat Consultant Engineers

Thahr Al Sarow Basic School for Boys-Jerash

Daily Plant & Equipment Log																															
February 2021																															
Equipment Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Excavator	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Shovel Loader	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Dump Truck	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Steel Cutting, Bending Machine	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Surveying Instrument	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Total	3	3	3	3		3	3	3	3	3	3		3	3	3	3	3			3	3	3	3	3	3		3	3	-	-	-

(Table 11. Daily Plant & Equipment Log- Thahr Al Sarow Basic School for Boys)

1.1 Daily Plant & Equipment Log

Wahib Medanat Consultant Engineers

Jumana Bint Abi Taleb Basic Mixed School- Amman

Daily Plant & Equipment Log																															
February 2021																															
Equipment Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Excavator	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Tipper No. 10	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Loader	0	0	0	0		0	0	0	0	0	1		1	1	1	1	0			0	0	1	1	0	0		1	1	-	-	-
Compactor 5 ton	0	0	0	0		0	0	0	0	0	1		1	1	1	1	0			0	0	1	1	0	0		1	1	-	-	-
Total	0	0	0	0		0	0	0	0	0	2		2	2	2	2	0			0	0	2	2	0	0		2	2	-	-	-

(Table 12. Daily Plant & Equipment Log- Jumana Bint Abi Taleb Basic Mixed School)

1.1 Daily Plant & Equipment Log

Wahib Medanat Consultant Engineers

Hay Al Iskan Basic Mixed School- Jerash

Daily Plant & Equipment Log																															
February 2021																															
Equipment Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Loader	1	1	1	1		1	1	1	1	1	1		1	1	1	1	0			1	1	1	1	1	0		0	0	-	-	-
Jack-Hammer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	0			1	1	1	1	1	0		0	0	-	-	-
Dump Truck	4	2	4	4		4	4	4	4	1	2		0	1	3	1	0			2	2	2	3	3	0		0	0	-	-	-
Shoring Machine	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Concrete Mixer	0	0	0	2		2	7	0	0	10	0		5	0	0	3	0			0	0	0	0	7	5		0	0	-	-	-
Concrete Pump	0	0	0	1		1	1	0	0	1	0		1	0	0	1	0			0	0	0	0	1	1		0	0	-	-	-
Total	6	4	6	9		9	14	6	6	14	4		8	3	5	7	0			4	4	4	5	13	6		0	0	-	-	-

(Table 13. Daily Plant & Equipment Log- Hay Al Iskan Basic Mixed School)

Annex -1-

1.2 Daily Manpower Log & Charts

1.2 Daily Manpower Log

Wahib Medanat Consultant Engineers

Thahr Al Sarow Basic School for Boys- Jerash

Daily Manpower Log																															
February 2021																															
Staff Members	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Project Manager	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Site Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Quantity Surveyor	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Electrical Engineer	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Mechanical Engineer	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	0	0	0	0		0	0	-	-	-
Surveyor	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	1	0	1	1		0	0	-	-	-
Safety Officer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Forman	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Labor	15	15	15	15		15	15	15	11	11	11		11	11	11	11	3			7	7	16	16	16	16		17	17	-	-	-
Fresh Graduate Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Total	20	20	20	20		20	20	20	16	16	16		16	16	16	16	8			12	12	22	21	22	22		22	22	-	-	-

(Table 14. Daily Manpower Log- Thahr Al Sarow Basic School for Boys)

1.2 Daily Manpower Log

Wahib Medanat Consultant Engineers

Jumana Bint Abi Taleb Basic Mixed School- Amman

Daily Manpower Log																															
February 2021																															
Staff Members	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Project Manager	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Site Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Quantity Surveyor	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Planning Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Mechanical Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Electrical Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Safety Specialist	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Technical Supervisor	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Office Boy	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Surveyor	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Safety Officer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Labor	21	21	21	21		21	21	21	21	21	21		21	21	21	21	21			21	21	21	21	21	21		21	21	-	-	-
Total	32	32	32	32		32	32	32	32	32	32		32	32	32	32	32			32	32	32	32	32	32		32	32	-	-	-

(Table 1s. Daily Manpower Log- Jumana Bint Abi Taleb Basic Mixed School)

1.2 Daily Manpower Log

Wahib Medanat Consultant Engineers

Hay Al Iskan Basic Mixed School- Jerash

Daily Manpower Log																															
February 2021																															
Staff Members	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Project Manager	1	0	0	0		0	0	1	1	1	1		1	1	1	0	0			0	0	1	0	0	0		0	0	-	-	-
Site Engineer	1	1	1	1		1	1	1	1	1	1		1	1	1	1	0			1	1	1	1	1	1		1	1	-	-	-
Quantity Surveyor	1	1	1	1		1	1	1	1	2	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Electrical Engineer	1	0	1	1		1	1	0	1	0	1		1	0	0	1	0			0	1	0	1	1	1		1	0	-	-	-
Mechanical Engineer	1	1	0	0		1	2	0	1	1	1		1	0	2	0	0			0	0	0	1	0	0		0	0	-	-	-
Surveyor	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0			0	0	1	1	1	0		0	0	-	-	-
Safety Officer	1	1	1	1		1	1	2	2	1	2		1	2	1	2	1			1	1	2	1	1	1		1	1	-	-	-
Forman	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Driver	3	5	5	2		2	4	4	4	5	4		4	4	5	5	4			4	5	4	4	5	5		0	0	-	-	-
Labor	27	27	27	27		27	27	27	27	30	30		30	30	17	30	17			3	10	8	19	20	20		15	15	-	-	-
Fresh Graduate Engineer	1	1	1	1		1	1	1	0	1	1		1	1	1	1	1			1	1	1	1	1	1		1	1	-	-	-
Total	37	37	39	36		36	39	38	39	43	43		42	41	30	42	25			12	21	20	31	32	31		21	20	-	-	-

(Table 16. Daily Manpower Log- Hay Al Iskan Basic Mixed School)

Annex -1-

1.3 Percentage of Completion (Progress Charts)

1.3 Percentage of Completion

Wahib Medanat Consultant Engineers

Thahr Al Sarow Basic School for Boys- Jerash

SKEP III Progress							
Consultant	Wahib Medanat Consultant Engineers			Rep No.	S3P2		
Contractor	Dijlah Est. Construction Co.			Tender No	10/2019/USAID/SKEP/3/2		
Site	Thahr Al Sarow Basic Boys - Jerash			Package	Package 2		
Day & Date	Sunday	28	February	2021			
Date	Monthly Elapsed Time%	Monthly Scheduled %	Monthly Actual%	Comulative Elapsed Time%	Cumulative Scheduled %	Cumulative Actual %	Notes
10/31/2020	2.44%	2.50%	2.00%	2.44%	2.50%	2.00%	
11/30/2020	6.67%	4.1%	2.79%	9.11%	6.60%	4.79%	
12/31/2020	6.89%	3.9%	1.27%	16.00%	10.50%	6.06%	
1/31/2021	6.89%	6.3%	8.98%	22.89%	16.80%	15.04%	
2/28/2021	6.22%	3.4%	3.76%	29.11%	20.20%	18.80%	
3/31/2021	6.89%	4.6%		36.00%	24.80%		
4/30/2021	6.67%	4.8%		42.67%	29.60%		
5/31/2021	6.89%	6.2%		49.56%	35.80%		
6/30/2021	6.67%	8.1%		56.22%	43.90%		
7/31/2021	6.89%	9.0%		63.11%	52.90%		
8/31/2021	6.89%	9.1%		70.00%	62.00%		
9/30/2021	6.67%	9.5%		76.67%	71.50%		
10/31/2021	6.89%	7.8%		83.56%	79.30%		
11/30/2021	6.67%	9.7%		90.22%	89.00%		
12/31/2021	6.89%	8.9%		97.11%	97.90%		
1/31/2022	2.89%	2.1%		100.00%	100.00%		

(Table 17. Percentage of Completion- Thahr Al Sarow Basic School for Boys)

1.3 Percentage of Completion

Wahib Medanat Consultant Engineers

Jumana Bint Abi Taleb Basic Mixed School- Amman

SKEP III Progress							
Consultant	wahib medanat counsultant engineers				Rep No.	S3P2	
Contractor	Dijlah Est. Construction Co.				Tender No	10/2019/USAID/SKEP/3/2	
Site	Jumana Bint Abi Taleb Basic Mixed -				Package	Package 2	
Day & Date	Sunday	28	February	2021			
Date	Monthly Elapsed Time%	Monthly Scheduled %	Monthly Actual%	Comulative Elapsed Time%	Cumulative Scheduled %	Cumulative Actual %	Notes
10/31/2020	2.44%	2.50%	0.98%	2.44%	2.50%	0.98%	
11/30/2020	6.67%	4.1%	2.05%	9.11%	6.60%	3.03%	
12/31/2020	6.89%	3.9%	3.66%	16.00%	10.50%	6.69%	
1/31/2021	6.89%	6.3%	10.71%	22.89%	16.80%	17.40%	
2/28/2021	6.22%	3.4%	2.60%	29.11%	20.20%	20.00%	
3/31/2021	6.89%	4.6%		36.00%	24.80%		
4/30/2021	6.67%	4.8%		42.67%	29.60%		
5/31/2021	6.89%	6.2%		49.56%	35.80%		
6/30/2021	6.67%	8.1%		56.22%	43.90%		
7/31/2021	6.89%	9.0%		63.11%	52.90%		
8/31/2021	6.89%	9.1%		70.00%	62.00%		
9/30/2021	6.67%	9.5%		76.67%	71.50%		
10/31/2021	6.89%	7.8%		83.56%	79.30%		
11/30/2021	6.67%	9.7%		90.22%	89.00%		
12/31/2021	6.89%	8.9%		97.11%	97.90%		
1/31/2022	2.89%	2.1%		100.00%	100.00%		

(Table 18. Percentage of Completion- Jumana Bint Abi Taleb Basic Mixed School)

1.3 Percentage of Completion

Wahib Medanat Consultant Engineers

Hay Al Iskan Basic Mixed School- Jerash

SKEP III Progress							
Consultant	Wahib Medanat Consultant Engineers			Rep No.	S3P2		
Contractor	Dijlah Est. Construction Co.			Tender No	10/2019/USAID/SKEP/3/2		
Site	Hay Al Iskan Basic mixed - Jerash			Package	Package 2		
Day & Date	Sunday	28	February	2021			
Date	Monthly Elapsed Time%	Monthly Scheduled %	Monthly Actual%	Comulative Elapsed Time%	Cumulative Scheduled %	Cumulative Actual %	Notes
10/31/2020	2.44%	2.50%	1.80%	2.44%	2.50%	1.80%	
11/30/2020	6.67%	4.1%	2.74%	9.11%	6.60%	4.54%	
12/31/2020	6.89%	3.9%	1.52%	16.00%	10.50%	6.06%	
1/31/2021	6.89%	6.3%	9.34%	22.89%	16.80%	15.40%	
2/28/2021	6.22%	3.4%	2.40%	29.11%	20.20%	17.80%	
3/31/2021	6.89%	4.6%		36.00%	24.80%		
4/30/2021	6.67%	4.8%		42.67%	29.60%		
5/31/2021	6.89%	6.2%		49.56%	35.80%		
6/30/2021	6.67%	8.1%		56.22%	43.90%		
7/31/2021	6.89%	9.0%		63.11%	52.90%		
8/31/2021	6.89%	9.1%		70.00%	62.00%		
9/30/2021	6.67%	9.5%		76.67%	71.50%		
10/31/2021	6.89%	7.8%		83.56%	79.30%		
11/30/2021	6.67%	9.7%		90.22%	89.00%		
12/31/2021	6.89%	8.9%		97.11%	97.90%		
1/31/2022	2.89%	2.1%		100.00%	100.00%		

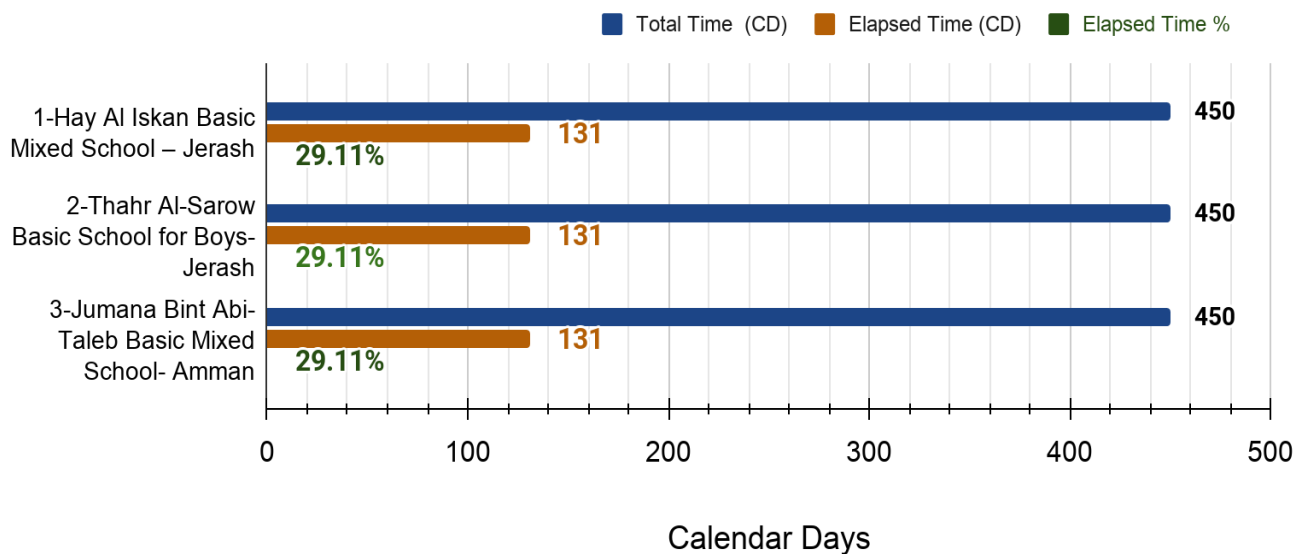
(Table 19. Percentage of Completion- Hay Al Iskan Basic Mixed School)

Project Time and Duration

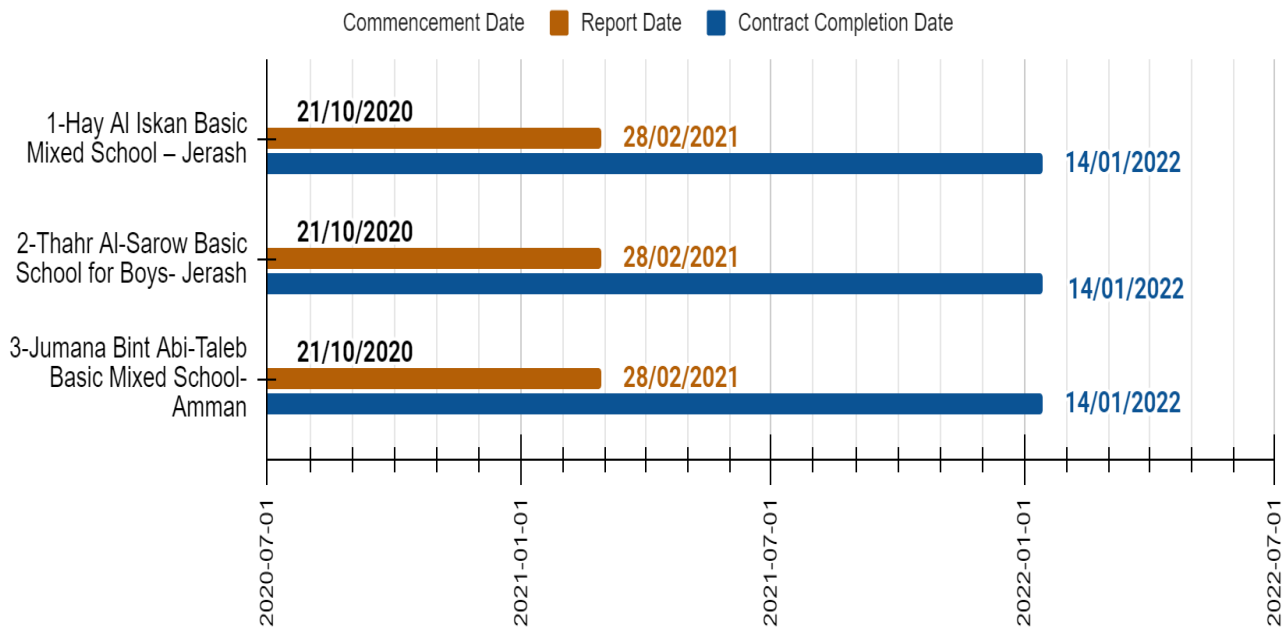
Wahib Medanat Consultant Engineers

PGK 2 Report Date	2021-02-28				
Site Name	Contract Duration (CD)	Time Extension (CD)	Total Time (CD)	Elapsed Time (CD)	Elapsed Time %
1-Hay Al Iskan Basic Mixed School – Jerash	450	0	450	131	29.11%
2-Thahr Al-Sarow Basic School for Boys- Jerash	450	0	450	131	29.11%
3-Jumana Bint Abi-Taleb Basic Mixed School- Amman	450	0	450	131	29.11%

SKEP III PKG 2 Time Chart



Site Name	Commencement Date	Report Date	Contract Completion Date
1-Hay Al Iskan Basic Mixed School – Jerash	2020-10-21	2021-02-28	2022-01-14
2-Thahr Al-Sarow Basic School for Boys- Jerash	2020-10-21	2021-02-28	2022-01-14
3-Jumana Bint Abi-Taleb Basic Mixed School- Amman	2020-10-21	2021-02-28	2022-01-14



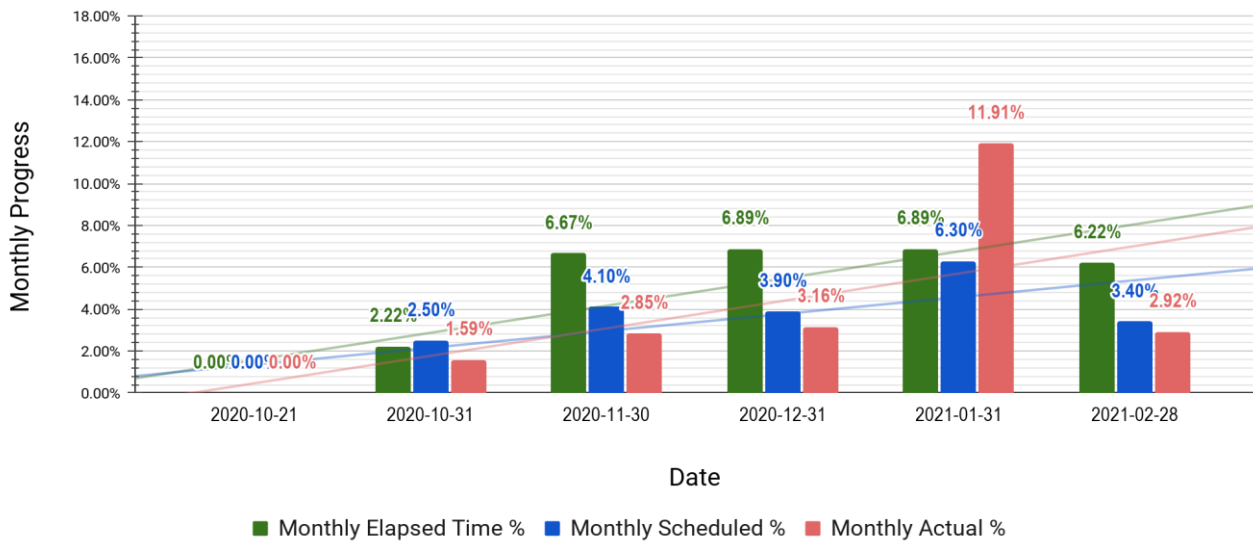
1.3 Percentage of Completion

Wahib Medanat Consultant Engineers

Package 2 Average Progress

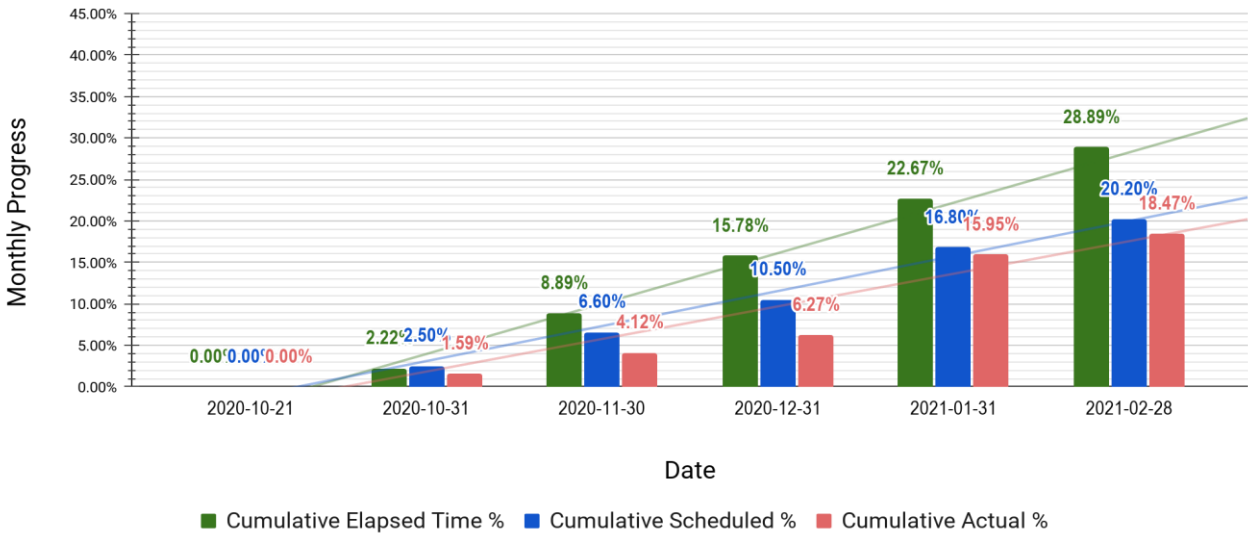
Package 2 Monthly Progress			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	1.59%
2020-11-30	6.67%	4.10%	2.85%
2020-12-31	6.89%	3.90%	3.16%
2021-01-31	6.89%	6.30%	11.91%
2021-02-28	6.22%	3.40%	2.92%
2021-03-31	6.89%	4.60%	

**Package 2
Monthly Progress**



Package 2 Cumulative Progress			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	1.59%
2020-11-30	8.89%	6.60%	4.12%
2020-12-31	15.78%	10.50%	6.27%
2021-01-31	22.67%	16.80%	15.95%
2021-02-28	28.89%	20.20%	18.47%
2021-03-31	35.78%	24.80%	

**Package 2
Cumulative Progress**

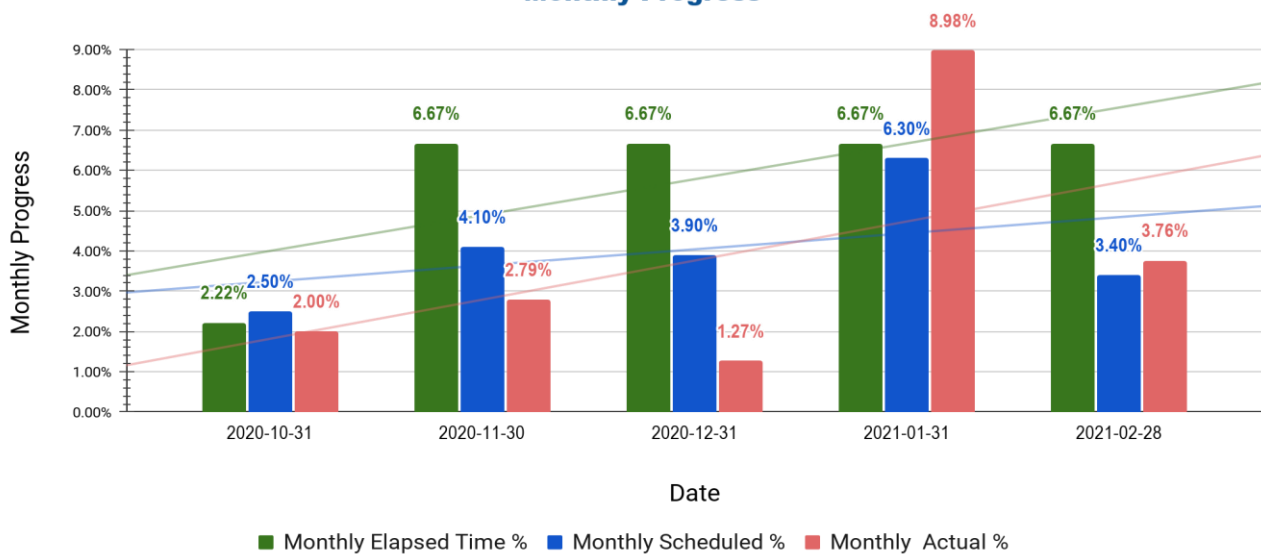


Thahr Al-Sarow Basic School for Boys Progress

Thahr Al-Sarow Basic School for Boys- Jerash Monthly Progress			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-10-31	2.22%	2.50%	2.00%
2020-11-30	6.67%	4.10%	2.79%
2020-12-31	6.67%	3.90%	1.27%
2021-01-31	6.67%	6.30%	8.98%
2021-02-28	6.67%	3.40%	3.76%
2021-03-31	6.67%	4.60%	

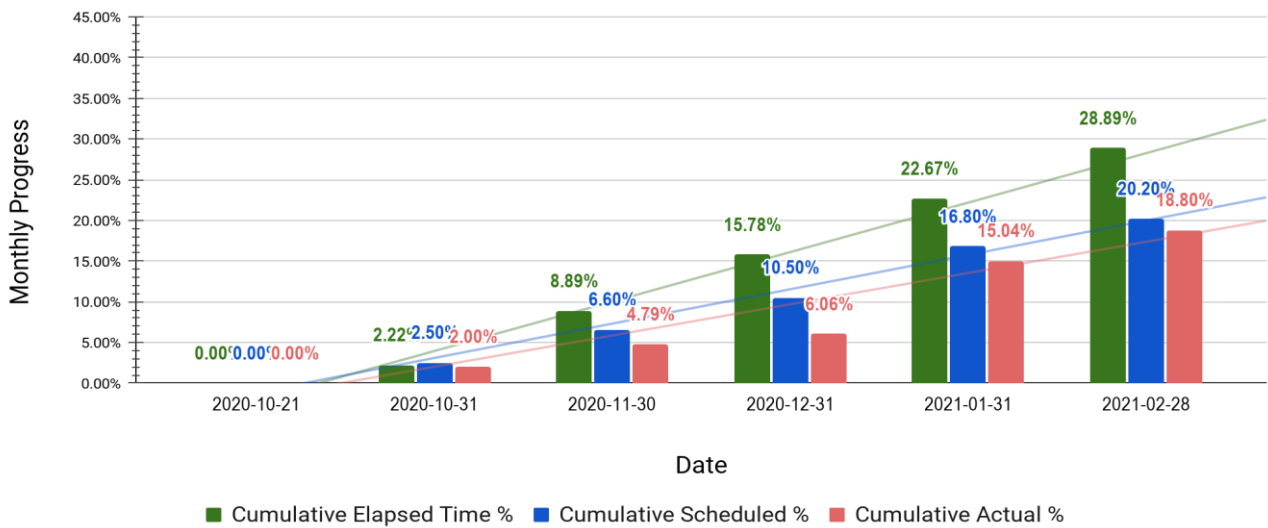
PKG 2 Thahr Al Sarow Basic Boys - Jerash

Monthly Progress



Thahr Al-Sarow Basic School for Boys- Jerash Cumulative Progress			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	2.00%
2020-11-30	8.89%	6.60%	4.79%
2020-12-31	15.78%	10.50%	6.06%
2021-01-31	22.67%	16.80%	15.04%
2021-02-28	28.89%	20.20%	18.80%
2021-03-31	35.78%	24.80%	

**PKG 2 Thahr Al Sarow Basic Boys - Jerash
Cumulative Progress**

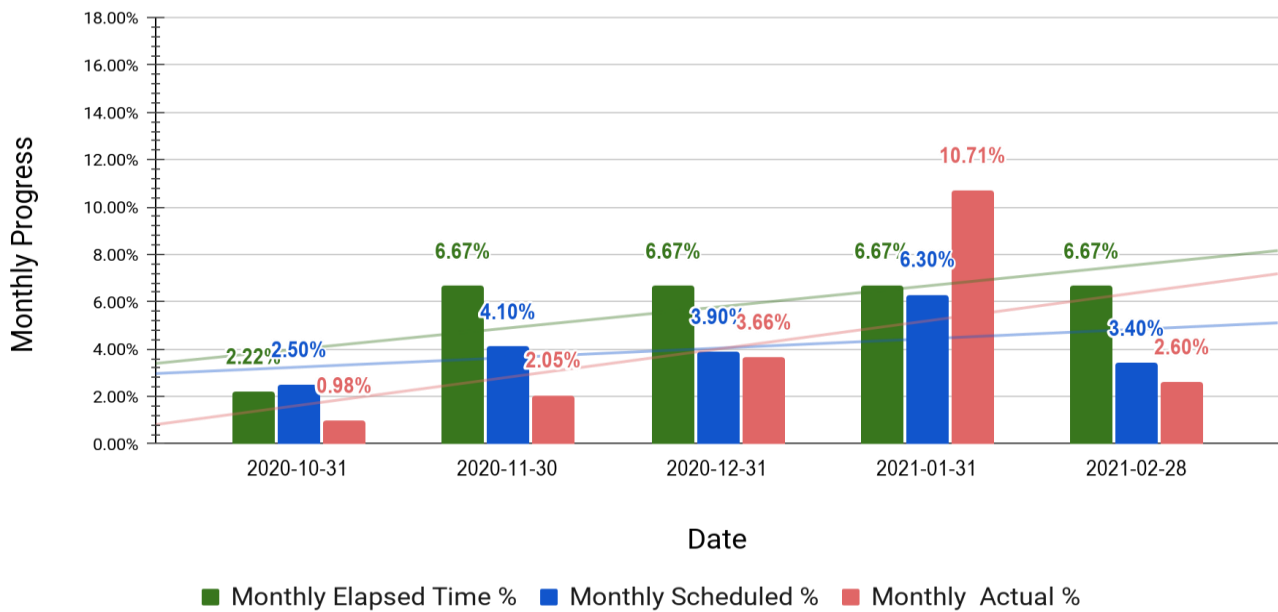


Jumana Bint Abi-Taleb Basic Mixed School Progress

Jumana Bint Abi-Taleb Basic Mixed School- Amman Monthly Progress			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-10-31	2.22%	2.50%	0.98%
2020-11-30	6.67%	4.10%	2.05%
2020-12-31	6.67%	3.90%	3.66%
2021-01-31	6.67%	6.30%	10.71%
2021-02-28	6.67%	3.40%	2.60%
2021-03-31	6.67%	4.60%	

PKG 2 Jumana Bint Abi Taleb Basic Mixed - Marka

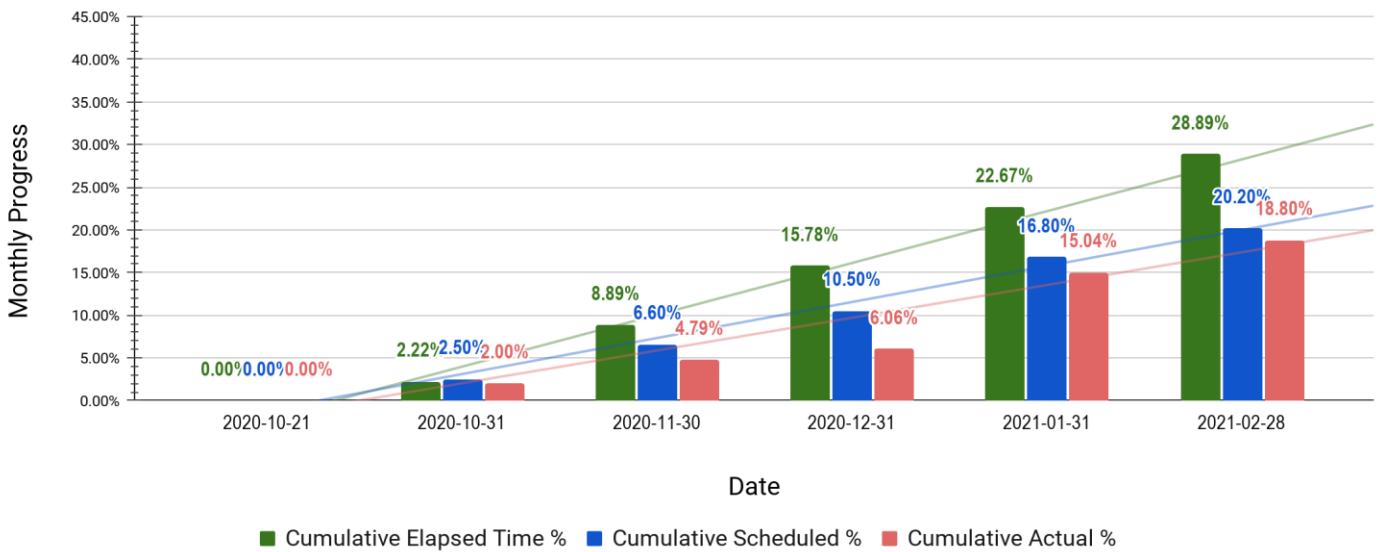
Monthly Progress



Jumana Bint Abi-Taleb Basic Mixed School- Amman Cumulative Progress

Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	2.00%
2020-11-30	8.89%	6.60%	4.79%
2020-12-31	15.78%	10.50%	6.06%
2021-01-31	22.67%	16.80%	15.04%
2021-02-28	28.89%	20.20%	18.80%
2021-03-31	35.78%	24.80%	

PKG 2 Jumana Bint Abi Taleb Basic Mixed - Marka
Cumulative Progress

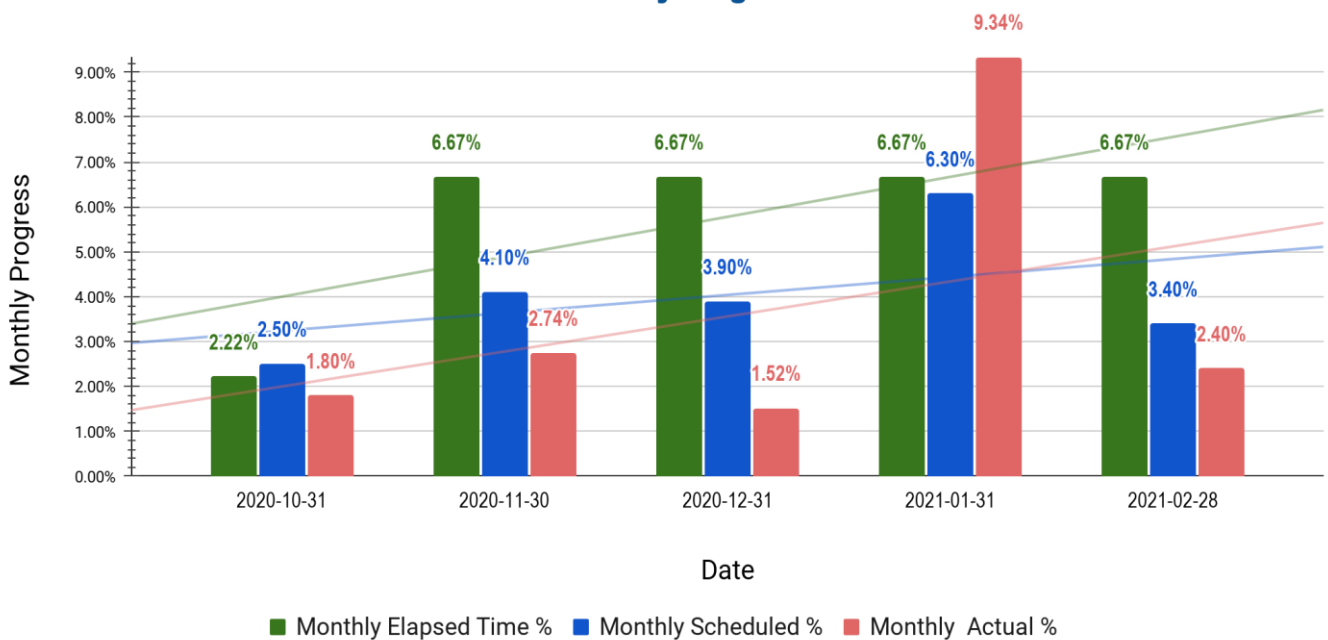


Hay Al Iskan Basic Mixed School Progress

Hay Al Iskan Basic mixed - Jerash Monthly Progress			
Date	Monthly Elapsed Time %	Monthly Scheduled %	Monthly Actual %
2020-10-31	2.22%	2.50%	1.80%
2020-11-30	6.67%	4.10%	2.74%
2020-12-31	6.67%	3.90%	1.52%
2021-01-31	6.67%	6.30%	9.34%
2021-02-28	6.67%	3.40%	2.40%
2021-03-31	6.67%	4.60%	

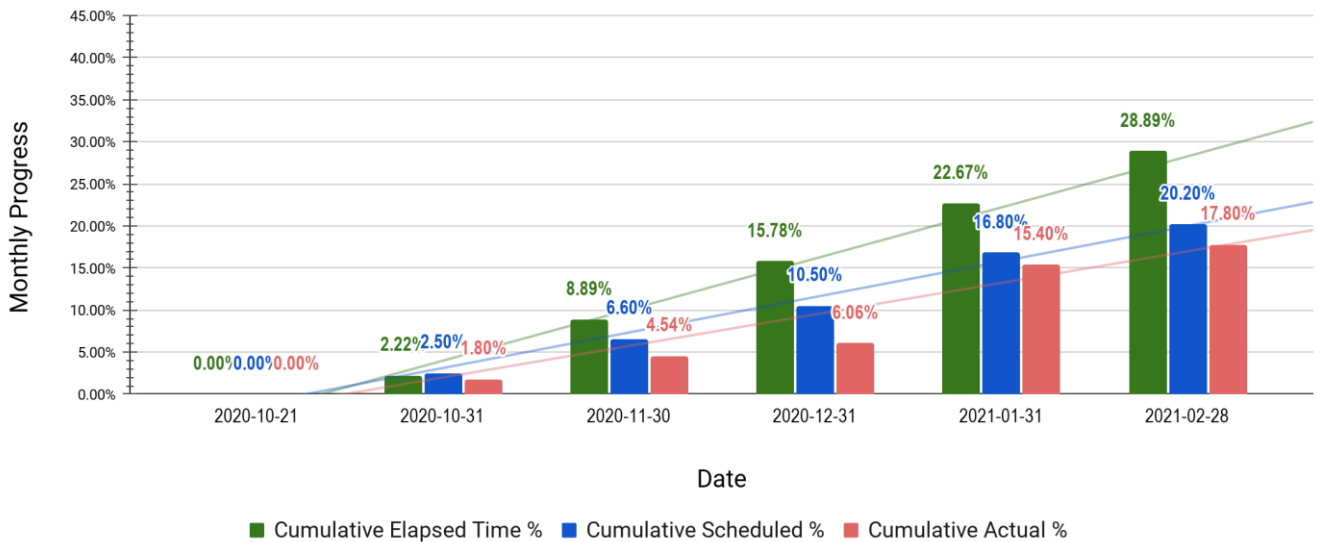
PKG 2 Hay Al Iskan Basic mixed - Jerash

Monthly Progress



Hay AI Iskan Basic mixed - Jerash Cumulative Progress			
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	1.80%
2020-11-30	8.89%	6.60%	4.54%
2020-12-31	15.78%	10.50%	6.06%
2021-01-31	22.67%	16.80%	15.40%
2021-02-28	28.89%	20.20%	17.80%
2021-03-31	35.78%	24.80%	

**PKG 2 Hay AI Iskan Basic mixed - Jerash
Cumulative Progress**



Engineer comments on work progress:

Average for the three schools: The actual cumulative progress -as average- for the three schools jumped from 15.95% in January to 18.47% in February close to the scheduled cumulative progress of 20.20%.

1-Thahr Al Sarow Basic school for Boys School: The actual cumulative progress at the end of February reached 18.80%, which is less than the scheduled cumulative progress of 20.20% after a monthly progress of 3.76% in February, 2021.

2-Jumana Bint Abi Taleb Basic Mixed School: The actual cumulative progress at the end of February reached 20.00% which is less than the scheduled cumulative progress of 20.20% after a monthly progress of 2.60% in February, 2021.

3-Hay Al Iskan Basic Mixed School: The actual cumulative progress at the end of February reached 17.80%, which is less than the scheduled cumulative progress of 20.20% after a monthly progress of 2.40% in February, 2021.

In accordance with the above, the Contractor managed to overcome the delay at the end of last December, 2020 to become close to the scheduled cumulative progress at the end of February, 2021.

Annex -1-

1.4 Log of Activities (Completed & In-Progress)

1.4 Log of Activities

Wahib Medanat Consultant Engineers

Completed and In-Progress

LOG OF ACTIVITIES											
Completed and In-Progress Record											
Schools for Knowledge Economy Projects (SKEP III)											
Wahib Medanat Consultant Engineer											
No.	School Name	Location	Excavation Works %	Blinding Works %	Foundation Works %	Foundation Works Completion Date	Walls Completion Date	Backfilling Works %	Backfilling Completion Date	Total Percentage of Milestone Completed (%)	Notes
1.	Thahr Al Sarow Basic School for Boys	Jerash	50% Boundary wall 100% Building	50% Boundary wall 100% Building	50% Boundary wall 100% Building	-	-	100 % under Building SOG	-	18.8	
2.	Jumana Bint Abi Taleb Basic Mixed School	Amman	90%	100.00%	100%	23/1/2021	-	50%	-	20.00%	
3.	Hay Al Iskan Basic Mixed School	Jerash	80%	95%	95%	28/1/2021	28/1/2021 basement 4/2/2021 ground floor	0%	31/1/2021 basement 28/2/2021 ground floor	17.8	

(Table 20. Log of Activities)

Annex -1-

1.5 Cash-Flow Charts

1.5 Cash-Flow Chart

Wahib Medanat Consultant Engineers

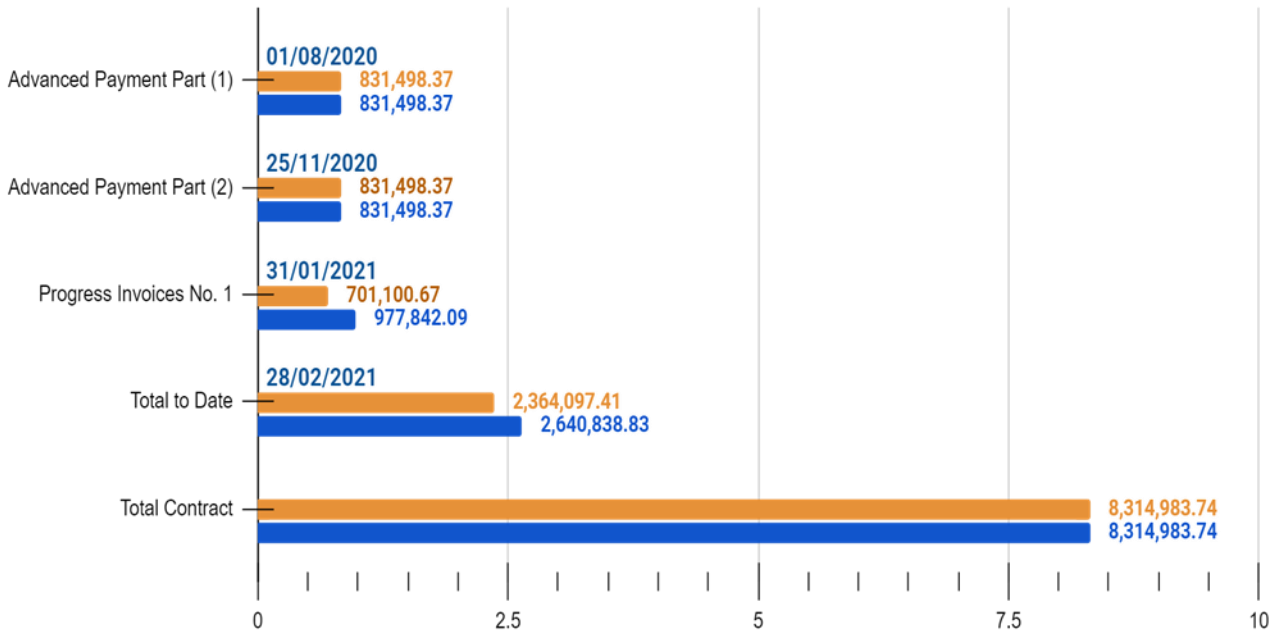
Progress Payments & Planned Progress

Package 2- Cash Flow			
Payment	Date of Payment	Actual Amount (JD)	Scheduled (JD)
Advanced Payment Part (1)	01/08/2020	831,498.37	831,498.37
Advanced Payment Part (2)	25/11/2020	831,498.37	831,498.37
Progress Invoices No. 1	31/01/2021	701,100.67	977,842.09
Total to Date	28/02/2021	2,364,097.41	2,640,838.83

(Table 21. Cash-Flow- Progress Payment and Planned Progress)

Package 2- Cash Flow

Date of Payment ■ Actual Amount (JD) ■ Scheduled (JD)



(Figure 10. Cash-Flow Chart)

Annex -2-

Correspondence Logs

2.1 Incoming Letters

2.2 Outgoing Letters

Annex -2-

2.1 Incoming Letters

2.1 Correspondence Log

Incoming Letters

CORRESPONDANCE TRACKING LOG												
Incoming Letters LOG Sheet												
Schools for Knowledge Economy Projects (SKEP III) PK2												
Wahib Medanat Consultant Engineer												
Notes:												
1. Answered: The Engineer Studied and Isued a respons												
2. Pending: Letter is under study by the Engineer and a response is yet to be issued.												
Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
1	530105/220/28/24/3079	02/02/2021	02/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-3-423.pdf	File	
2	530105/220/28/24/3081	02/02/2021	02/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-3-424.pdf	File	
3	3188/USAID/10/2019	1/2/2021	02/02/2021	MPWH	Cable Tray	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-1-416.pdf	Scanned Files\Scanned-الكتب الصادر\Package 2\2021-368-2-2-484.pdf	
4	A2	31/1/2021	02/02/2021	Dijlah Establishment Constr. Contr.	Porcelain and Ceramic Tile Shop Drawing	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-420.pdf	Submittal action forms\Architectural Submittals\Scanned- Submittal\Feb. 2021\A2.pdf	
5	USAID/3/2019/57	02/02/2021	02/02/2021	Dijlah Establishment Constr. Contr.	Monthly Report	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-421.pdf	Scanned Files\Scanned-الكتب الصادر\Package 2\2021-368-2-2-541.pdf	
6	USAID/3/2019/58	02/02/2021	02/02/2021	Dijlah Establishment Constr. Contr.	Project Update Schedule	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-422.pdf	Scanned Files\Scanned-الكتب الصادر\Package 2\2021-368-2-2-540.pdf	
7	USAID/3/2019/62	4/2/2021	4/2/2021	Dijlah Establishment Constr. Contr.	Single size Material for the Unconfind Areas	X		Eng. Sawsan Al-Yousef	MPWH	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-436.pdf	Scanned Files\Scanned-الكتب الصادر\Package 2\2021-368-2-1-626.pdf	
8	USAID/3/2019/61	4/2/2021	4/2/2021	Dijlah Establishment Constr. Contr.	LPG Pipes Size	X		Eng. Mohammad Almajale Eng. Musab Khalil	dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-435.pdf	Scanned Files\Scanned-الكتب الصادر\Package 2\2021-368-2-2-505.pdf	
9	E-19	6/2/2021	6/2/2021	Dijlah Establishment Constr. Contr.	Private Automatic Branch	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-451.pdf	Submittal action forms\Electrical Submittals\Scanned- Submittal\Feb. 2021\E19.pdf	
10	E-16 - Rev 2	6/2/2021	6/2/2021	Dijlah Establishment Constr. Contr.	Audio-Video System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	Scanned Files\Scanned-الكتب الواردة\Package 2\2021-2-2-454.pdf	Submittal action forms\Electrical Submittals\Scanned- Submittal\Feb. 2021\E16-rev2.pdf	

(Table 22: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
11	E-20	6/2/2021	6/2/2021	Dijlah Establishment Constr. Contr.	Program Change Bell System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-452.pdf	..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E20.pdf	
12	E-15-Rev2	6/2/2021	6/2/2021	Dijlah Establishment Constr. Contr.	Public Address	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-453.pdf	..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E15-rev2.pdf	
13	M-7	6/2/2021	6/2/2021	Dijlah Establishment Constr. Contr.	Drainage & Sleeves for tanks	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-450.pdf	..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-7.pdf	
14	USAID/3/2019/63	7/2/2021	7/2/2021	Dijlah Establishment Constr. Contr.	Tax Exemption	X		Eng. Sawsan Al-Yousef	USAID	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-464.pdf	..\\..\\2021-368-2-3-567.docx	
15	530105/220/28/24/3406	7/2/2021	7/2/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-473.pdf	File	
16	530105/220/28/24/3445	7/2/2021	7/2/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-474.pdf	File	
17	530105/220/28/24/3446	7/2/2021	7/2/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-475.pdf	File	
18	USAID/10/2019/4501	8/2/2021	10/2/2021	MPWH	Boundary Wall	X		Eng. Sawsan Al-Yousef	MPWH	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-1-512.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-1-576.pdf	
19	USAID/3/2019/64	9/2/2021	9/2/2021	Dijlah Establishment Constr. Contr.	Cable Tray	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	MPWH	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-485.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-1-557.pdf	
20	E21	9/2/2021	9/2/2021	Dijlah Establishment Constr. Contr.	Intrusion System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-492.pdf	..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E21.pdf	
21	A31-1	8/2/2021	9/2/2021	Dijlah Establishment Constr. Contr.	Steel Door	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-495.pdf	..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- Submittal\\Feb. 2021\\A31-1.pdf	
22	M-35-1	9/2/2021	9/2/2021	Dijlah Establishment Constr. Contr.	Manifolds and PEX Fitting	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-497.pdf	..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-35-1.pdf	
23	USAID/3/2019/65	9/2/2021	9/2/2021	Dijlah Establishment Constr. Contr.	UPS Price	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-504.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-558.pdf	

(Table 23: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
24	USAID/3/2019/68	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	P.V.C Water stop- Material Testing	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-540.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-607.pdf	
25	USAID/3/2019/69	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	Single Size Material Test	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-541.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-668.pdf	
26	E-016-Rev03	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	Audio-Video System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-549.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E16-rev3.pdf	
27	E-015-Rev03	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	Public Address System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-548.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E15-rev3.pdf	
28	USAID/3/2019/70	15/02/2021	15/02/2021	Dijlah Establishment Constr. Contr.	Work for Slab on Grade	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-567.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-598.pdf	
29	E-022	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	UPVC Conduit	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-546.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E22.pdf	
30	E-023	13/02/2021	13/02/2021	Dijlah Establishment Constr. Contr.	Wall Fans	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-547.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E23.pdf	
31	M-8	13/02/2021	14/02/2021	Dijlah Establishment Constr. Contr.	Site and Ground	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-551.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-8.pdf	
32	A-023	13/02/2021	14/02/2021	Dijlah Establishment Constr. Contr.	Shop Drawing for Site Level	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-550.pdf	..\\..\\..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- Submittal\\Feb. 2021\\A-23.pdf	
33	M-9	13/02/2021	14/02/2021	Dijlah Establishment Constr. Contr.	Site and Ground Floor	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-552.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-9.pdf	
34	A21-3	15/02/2021	15/02/2021	Dijlah Establishment Constr. Contr.	Aluminum Windows and Certain Wall	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-573.pdf	..\\..\\..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- Submittal\\Feb. 2021\\A21-3.pdf	

(Table 24: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
35	USAID/10/2019/5232	11/02/2021	15/02/2021	MPWH	Overtime for the Counstruction Supervision Staff	X		Eng. Sawсан Al-Yousef	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-368-2-2-667.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الصادر368\\Package 2\\2021-368-2-2-667.pdf	
36	USAID/3/2019/71	14/02/2021	15/02/2021	Dijlah Establishment Constr. Contr.	Monthly Report	X		Eng. Sawсан Al-Yousef	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-368-2-2-574.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الصادر368\\Package 2\\2021-368-2-2-712.pdf	
37	USAID/3/2019/73	16/02/2021	16/02/2021	Dijlah Establishment Constr. Contr.	Re-Test for P.V.C Water Stop		X	Eng. Hasan Shaqbua	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-603.pdf	-	
38	USAID/3/2019/74	17/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	New Financial Offer for UPS	X		Eng. Sawсан Al-Yousef Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-612.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الصادر368\\Package 2\\2021-368-2-2-653.pdf	
39	A-23-01	17/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	Shop Drawing for Site Level	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-620.pdf	..\\..\\..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- SubmittalFeb. 2021\\A-23-1.pdf	
40	4474/24/28/220/530105	16/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-3-607.pdf	File	
41	M-11	16/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	Sleeves for Tanks	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-609.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- SubmittalFeb. 2021\\M-11.pdf	
42	M-10	16/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	Fire-Ground Floor	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-608.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- SubmittalFeb. 2021\\M-10.pdf	
43	M-22-01	17/02/2021	17/02/2021	Dijlah Establishment Constr. Contr.	Roof Top Package Unit	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الكتاب-الواردة368\\Package 2\\2021-2-2-614.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- SubmittalFeb. 2021\\M-22-1-.pdf	

(Table 25: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
44	M-38	20/02/2021	20/02/2021	Dijlah Establishment Constr. Contr.	Cover Floor Drains and Cleanouts	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-625.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-38.pdf	
45	M-12	20/02/2021	20/02/2021	Dijlah Establishment Constr. Contr.	Water Ground Floor	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-624.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-12.pdf	
46	M-33-01	20/02/2021	20/02/2021	Dijlah Establishment Constr. Contr.	Heating and Water Cabinets	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-626.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- Submittal\\Feb. 2021\\M-33-1.pdf	
47	A-34	20/02/2021	20/02/2021	Dijlah Establishment Constr. Contr.	Laboratory Furnishing	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-627.pdf	..\\..\\..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- Submittal\\Feb. 2021\\A34.pdf	
48	4556/24/28/220/530105	21/02/2021	21/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-634.pdf	File	
49	USAID/10/2019/6132	17/02/2021	21/02/2021	MPWH	Provisional Sums		X	Eng. Sawsan Al-Yousef	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-1-636.pdf	-	
50	A 3	22/02/2021	22/02/2021	Dijlah Establishment Constr. Contr.	Porcelain and Ceramic Tile Shop Drawing	X		Eng. Batool Yassine	dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-645.pdf	..\\..\\..\\..\\Submittal action forms\\Architectural Submittals\\Scanned- Submittal\\Feb. 2021\\A3.pdf	
51	4642/24/28/220/530105	21/02/2021	21/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-639.pdf	File	
52	4767/24/28/220/530105	22/02/2021	22/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-650.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-686.pdf	
53	4768/24/28/220/530105	22/02/2021	22/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-651.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-368-2-2-675.pdf	

(Table 26: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
54	E20-Rev-01	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	Program Change Bell System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-690.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E20-rev-1.pdf	
55	E21-Rev-01	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	Intrusion System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-680.pdf	..\\..\\..\\..\\Submittal action forms\\Electrical Submittals\\Scanned- Submittal\\Feb. 2021\\E21-rev-1.pdf	
56	USAID/3/2019/76	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	Tax Exemption/ Bills of Material		X	Eng. Sawsan Al-Yousef	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-679.pdf	:	
57	USAID/3/2019/79	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	Material Submittals		X	Eng. Sawsan Al-Yousef	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-678.pdf	:	
58	USAID/3/2019/75	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	New Site Obstacles (Cross Road)			Eng. Sawsan Al-Yousef	MPWH	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-677.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-368\\الكتب الصادر\\Package 2\\2021-368-2-1-713.pdf	
									Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-677.pdf	..\\..\\..\\..\\Scanned Files\\Scanned-368\\الكتب الصادر\\Package 2\\2021-368-2-2-714.pdf	
59	USAID/3/2019/77	23/02/2021	23/02/2021	Dijlah Establishment Constr. Contr.	Temporary Facilities and Controls		X	Eng. Laith Zwairi Eng. Sawsan Al-Yousef	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-676.pdf	:	
60	4895/24/28/220/530105	23/02/2021	23/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-672.pdf	File	
61	5075/24/28/220/530105	24/02/2021	24/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-701.pdf	File	
62	5090/24/28/220/530105	24/02/2021	24/02/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-3-702.pdf	File	
63	USAID/3/2019/80	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Re-Test for Base Course Material		X	Eng. Sawsan Al-Yousef	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة\\Package 2\\2021-2-2-704.pdf	:	

(Table 27: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
64	A32-1	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Aluminum Angle		X	Eng. Batool Yassine	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-705.pdf	under review	
65	A35	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Wall Mounted Steel Handrail		X	Eng. Batool Yassine	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-706.pdf	under review	
66	A36	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Wall Mounted Steel Handrail		X	Eng. Batool Yassine	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-707.pdf	under review	
67	A37	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Chain Link Fence		X	Eng. Batool Yassine	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-708.pdf	under review	
68	E15-rev4	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Public Address		X	Eng. Musa Abdelhadi Eng. Laith Zwairi	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-709.pdf	under review	
69	E16-rev4	24/02/2021	24/02/2021	Dijlah Establishment Constr. Contr.	Audio-Video System		X	Eng. Musa Abdelhadi Eng. Laith Zwairi	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-710.pdf	under review	
70	5101/24/28/220/530105	25/02/2021	25/02/2021	Royal Scientific Society	Test Report		X	Eng. Hasan Shaqbua	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-3-715.pdf	under review	
71	M-13	27/02/2021	27/02/2021	Dijlah Establishment Constr. Contr.	Water Enlargement - Thaher Al-Sarow		X	Eng. Mohammad Almajale Eng. Musab Khalil	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-729.pdf	under review	
72	M-14	27/02/2021	27/02/2021	Dijlah Establishment Constr. Contr.	Water Enlargement - Jumana		X	Eng. Mohammad Almajale Eng. Musab Khalil	-	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-730.pdf	under review	
73	M-39	27/02/2021	27/02/2021	Dijlah Establishment Constr. Contr.	Rain Water Drain Outlets	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\\..\\..\\..\\Scanned Files\\Scanned-الكتب-الواردة368Package_2\2021-2-2-731.pdf	..\\..\\..\\..\\Submittal action forms\\Mechanical Submittals\\Scanned- SubmittalFeb. 2021\\M-39.pdf	

(Table 28: Correspondence Logs (Incoming Letters))

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answered	Pending			Received Letter	Issued Letter	
74	USAID/3/2019/81	27/02/2021	27/02/2021	Dijlah Establishment Constr. Contr.	UPS 20KVA		X	Eng. Musa Abdelhadi Eng. Laith Zwairi	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-732.pdf	under review	
75	USAID/3/2019/82	27/02/2021	28/2/2021	Dijlah Establishment Constr. Contr.	Re-Test for Base Course Material		X	Eng. Hasan Shaqbua	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-739.pdf	under review	
76	E23-Rev-1	28/2/2021	28/2/2021	Dijlah Establishment Constr. Contr.	Wall Fans		X	Eng. Musa Abdelhadi Eng. Laith Zwairi	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-748.pdf	under review	
77	A27-1	28/2/2021	28/2/2021	Dijlah Establishment Constr. Contr.	Steel Handrail		X	Eng. Batool Yassine	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-747.pdf	under review	
78	M-40	28/2/2021	28/2/2021	Dijlah Establishment Constr. Contr.	Copper Pipes		X	Eng. Mohammad Almajale Eng. Musab Khalil	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-746.pdf	under review	
79	E14 rev 2	27/02/2021	28/2/2021	Dijlah Establishment Constr. Contr.	Lighting Fixtures & Lighting Poles		X	Eng. Musa Abdelhadi Eng. Laith Zwairi	-	Scanned Files\Scanned-الكتب-الواردة\Package 2\2021-2-2-741.pdf	under review	

(Table 29: Correspondence Logs (Incoming Letters))

Annex -2-

2.2 Outgoing Letters

2.2 Correspondence Log

Outgoing Letters

CORRESPONDANCE TRACKING LOG							
Outgoing Letters LOG Sheet							
Schools for Knowledge Economy Projects (SKEP III)							
Wahib Medanat Consultant Engineer							
Letter No.	Letter REF.	Letter Description	Date of Issuance	Issued To		Letter Location	Notes
				Name	Response		
1	368-2/1/372	اقتطاع 5م من أرض المشروع من الجهة الجنوبية الشرقية/لغايات إنشاء شارع تنظيمي	31/01/2021	MPWH		..\..\..\..\Scanned Files\Scanned-الكتب\الصادر\Package 368\2\2021-368-2-1-372.pdf	
2	368-2/2/456	Temporary Facilities and Controls	04/02/2021	Dijlah Establishment Constr. Contr.		..\..\..\..\Scanned Files\Scanned-الكتب\الصادر\Package 368\2\2021-368-2-2-456.pdf	
3	368-2/1/375	استلام حدود المشروع لمدرسة ظهر السرو	31/01/2021	MPWH		..\..\..\..\Scanned Files\Scanned-الكتب\الصادر\Package 368\2\2021-368-2-1-375.pdf	
4	368-2/2/580	Workshop Drawing	14/02/2021	Dijlah Establishment Constr. Contr.		..\..\..\..\Scanned Files\Scanned-الكتب\الصادر\Package 368\2\2021-368-2-2-580.pdf	
5	368-2/2/663	Material Submittals	22/02/2021	Dijlah Establishment Constr. Contr.		..\..\..\..\Scanned Files\Scanned-الكتب\الصادر\Package 368\2\2021-368-2-2-663.pdf	

(Table 30: Correspondence Logs (Outgoing Letters)

Annex -3-

Submittals Logs

3.1: Architectural Submittals

3.1.1 Arch. Shop Drawings

3.1.2 Arch. Materials Submittal

3.2: Electrical Submittals

3.2.1 Elect. Shop Drawings

3.2.2 Elect. Materials Submittal

3.3: Mechanical Submittals

3.3.1 Mech. Shop Drawings

3.3.2 Mech. Materials Submittal

3.4: Civil Submittals

3.4.1 Civil Shop Drawings

3.4.2 Civil Materials Submittal

Annex -3-

3.1 Architectural Submittals

3.1.1 Arch. Shop Drawings

3.1.2 Arch. Materials Submittals

3.1.1 Arch. Shop Drawings

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																
Schools for Knowledge Economy Projects (SKEP III), Package 2																
Architectural Shop Drawings Tracking LOG																
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers														
Project: 10/2019/USAID/SKEP/3/2		Contractor: Dijlah Est. Constr. Contr.														
Rep no.: 5		Site:														
No.	Drawing REF.	Revision	Darwing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Rvise & Resubmit	Rejected	File	Site	Contracto r				
1	Jumana- A1	1	Stone of Facades	Dijlah Est. Const. Contr.	30/1/2021			X		X		X			8/2/2021	
2	Jumana- A2	1	Porcelain and Cermaic Tiles	Dijlah Est. Const. Contr.	31/1/2021				X	X		X			8/2/2021	
3	Hay Al- Iskan- A23	1	Site Level	Dijlah Est. Const. Contr.	13/2/2021			X							16/2/2021	
4	Hay Al- Iskan- A23	2	Site Level	Dijlah Est. Const. Contr.	17/2/2021			X		X		X			23/2/2021	

(Table 31: Architectural Submittals - Arch. Shop Drawings)

3.1.2 Arch. Materials Submittals

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																		
Schools for Knowledge Economy Projects (SKEP III), Package 2																		
Architectural Materials Submittal Tracking LOG																		
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers																
Project:		10/2019/USAID/SKEP/3/2		Contractor:		Dijlah Est. Constr. Contr.												
Rep no.:		5		Site:														
No.	Item Type	Revision	Item Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes		
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor						
1	A-33	1	Steel Frame Sample	Dijlah Est. Const. Contr.	30/01/2021		X			X		X			8/2/2021			
2	A-33	1	Wooden Leaf Sample	Dijlah Est. Const. Contr.	30/01/2021			X		X		X			8/2/2021			
3	A-32	1	Aluminum Angle	Dijlah Est. Const. Contr.	30/01/2021				X	X		X			6/2/2021			
4	A23	2	Marble	Dijlah Est. Const. Contr.	31/02/2021	X				X		X			4/2/2021			
5	A31	1	Steel Door	Dijlah Est. Const. Contr.	08/02/2021				X	X		X			15/02/2021			
6	A-21	3	Aluminum Windows and Certain Wall	Dijlah Est. Const. Contr.	15/02/2021				X	X		X			20/02/2021			
7	A-34	1	Laboratory Furnishing	Dijlah Est. Const. Contr.	20/02/2021				X	X		X			24/02/2021			

(Table 32: Architectural Submittals - Arch. Materials Submittal)

Annex -3-

3.2 Electrical Submittals

3.2.1 Elect. Shop Drawings

3.2.2 Elect. Materials Submittals

3.2.2 Elect. Materials Submittals

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																
Schools for Knowledge Economy Projects (SKEP III), Package 2																
Electrical Materials Submittal Tracking LOG																
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers														
Project: 10/2019/USAID/SKEP/3/2		Contractor: Dijlah Est. Constr. Contr.														
Rep no.: 5		Site:														
No.	Item Type	Revision	Item Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor				
1	E-14	2	Lighting	Dijlah Est. Const. Contr.	25/1/2021			X		X		X			2/2/2021	
2	E-18	2	Structure Cabling System & Switches	Dijlah Est. Const. Contr.	25/1/2021		X			X		X			2/2/2021	
3	E-20	1	Program Change Bell System	Dijlah Est. Const. Contr.	6/2/2021			X		X		X			10/2/2021	
4	E-16	3	Audio- Video System	Dijlah Est. Const. Contr.	6/2/2021			X		X		X			10/2/2021	
5	E-15	3	Public Address System	Dijlah Est. Const. Contr.	6/2/2021			X		X		X			10/2/2021	
6	E-19	1	PABX	Dijlah Est. Const. Contr.	6/2/2021	X				X					10/2/2021	
7	E-21	1	Intrusion System	Dijlah Est. Const. Contr.	9/2/2021			X		X					10/2/2021	
8	E-22	1	UPVC Conduit	Dijlah Est. Const. Contr.	13/2/2021	X				X		X			20/2/2021	
9	E-15	4	Public Address System	Dijlah Est. Const. Contr.	13/2/2021			X		X		X			20/2/2021	
11	E-16	4	Audio- Video System	Dijlah Est. Const. Contr.	13/2/2021			X		X		X			20/2/2021	
13	E-23	1	Wall Fans	Dijlah Est. Const. Contr.	13/2/2021			X		X		X			20/2/2021	
15	E21	2	Intrusion System	Dijlah Est. Const. Contr.	23/2/2021	X				X		X			25/2/2021	
16	E20	2	Program Change Bell System	Dijlah Est. Const. Contr.	23/2/2021		X			X		X			25/2/2021	
17	M-39	1	Rain Water Drain Outlet	Dijlah Est. Const. Contr.	27/02/2021		X			X		X			28/02/2021	

(Table 33: Electrical Submittals – Elect. Shop Drawings)

Annex -3-

3.3 Mechanical Submittals

3.3.1 Mech. Shop Drawings

3.3.2 Mech. Materials Submittals

3.3.1 Mech. Shop Drawings

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																
Schools for Knowledge Economy Projects (SKEP III), Package 2																
Mechanical Shop Drawings Tracking LOG																
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers														
Project: 10/2019/USAID/SKEP/3/2		Contractor: Dijlah Est. Constr. Contr.														
Rep no.: 5		Site:														
No.	Drawing REF.	Revision	Drawing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revised & Resubmitted	Rejected	File	Site	Contractor				
1	M-007-Thahr Al Sarow-Hay Al Iskan	1	Water Tank First Fix	Dijlah Est. Const. Contr.	6/2/2021		X			X		X			7/2/2021	
2	M-008-Thahr Al Sarow	1	Site and Ground plan Drainage System	Dijlah Est. Const. Contr.	14/02/2021				X	X		X			16/02/2021	
3	M-009-Hay Al Iskan	1	Site and Ground plan Drainage System	Dijlah Est. Const. Contr.	14/02/2021				X	X		X			16/02/2021	
4	M-010 Jumana Bint Abi Taleb	1	Fire Ground Floor	Dijlah Est. Const. Contr.	17/02/2021				X						22/02/2021	
5	M-11-Jumana Bint	1	Tank First Fix (Sleeve)	Dijlah Est. Const. Contr.	17/02/2021		X			X		X			20/02/2021	
6	M-11-Jumana Bint	1	Ground Floor Drainage	Dijlah Est. Const. Contr.	17/02/2021				X	X		X			22/02/2021	

(Table 34: Mechanical Submittals – Mech. Shop Drawings)

3.3.2 Mech. Materials Submittals

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																
Schools for Knowledge Economy Projects (SKEP III), Package 2																
Mechanical Materials Submittal Tracking LOG																
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers														
Project: 10/2019/USAID/SKEP/3/2		Contractor: Dijlah Est. Constr. Contr.														
Rep no.: 5		Site:														
No.	Item Type	Revision	Item Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor				
1	M-36	1	Manholes Ring for Sewage and Rainwater	Dijlah Est. Const. Contr.	27/01/2021		X			X		X			04/02/2021	
2	M-35	3	Manifold and Pex Fittings	Dijlah Est. Const. Contr.	09/02/2021			X		X		X			10/02/2021	
4	M-37	1	Water Cooler	Dijlah Est. Const. Contr.	17/02/2021		X			X		X			20/02/2021	
5	M-22	2	Roof Top Package Unit	Dijlah Est. Const. Contr.	17/02/2021			X		X		X			23/02/2021	
6	M-21	2	Fire Hose Cabinet & Fire Extinguisher	Dijlah Est. Const. Contr.	17/02/2021			X		X		X			20/02/2021	
7	M-15	1	Electric Water Heater	Dijlah Est. Const. Contr.	17/02/2021			X		X		X			20/02/2021	
8	M-37	1	Electric Water Cooler	Dijlah Est. Const. Contr.	17/02/2021		X			X		X			20/02/2021	

(Table 35: Mechanical Submittals – Mech. Materials Submittal)

Annex -3-

3.4 Civil Submittals

3.4.1 Civil Shop Drawings

3.4.2 Civil Materials Submittals

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																
Schools for Knowledge Economy Projects (SKEP III), Package 2																
Civil Shop Drawings Tracking LOG																
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers														
Project:		Contractor: Dijlah Est. Constr. Contr.														
Rep no.:		Site:														
No.	Drawing REF.	Revision	Darwing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Rvise & Resubmit	Rejected	File	Site	Contractor				
Thahr Al Sarow Basic School for Boys																
1	STR-003	2	Steel reinforcement for columns	dijla - eng,sahar	6/12/2020			X			X	X			10/12/2020	
2	STR-003	3	Steel reinforcement for columns	dijla - eng,sahar	17/12/2020			X			X	X			23/12/2020	
3	STR-003	4	Steel reinforcement for columns	dijla - eng,sahar	24/12/2020		X				X	X			27/12/2020	
4	STR-004	1	Steel reinforcement for tie beams	dijla - eng,sahar	19/12/2020						X	X			3/1/2021	
5	STR-006	1	Steel reinforcement for boundary wall 1 part 1	dijla - eng,sahar	13/12/2020		X				X	X			15/12/2020	
6	STR-007	1	Steel reinforcement for Guard house (footing-columns-walls)	dijla - eng,sahar	13/12/2020		X				X	X			16/12/2020	
7	STR-008	0	Ground Beam (STR-GB-001/STR-GB-002)	dijla - eng,sahar	30/11/2020				X		X	X			1/12/2020	
8	STR-008	1	Ground Beam (STR-GB-001/STR-GB-002)	dijla - eng,sahar	6/12/2020		X				X	X			10/12/2020	
9	STR-009	0	Boundary wall (2) Footing	dijla - eng,sahar	14/12/2020		X				X	X			17/12/2020	

(Table 36: Civil Submittals – Civil Shop Drawings)

No.	Drawing REF.	Revision	Drawing Name	Received From	Date Received	Status					Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Appr oved	Appr oved as Noted	Use & Resu lts	Rejec ted	File	Site	Contr actor					
10	STR-010	0	Boundary wall (2) Walls	dijla - eng,sahar	16/12/2020		X				X	X			19/12/2020		
11	STR-011	0	Cyclopean	dijla - eng,sahar	19/12/2020	X					X	X			19/12/2020		
12	STR-012	0	Boundary wall (3) part 1- Foundation	dijla - eng,sahar	20/12/2020	X					X	X			22/12/2020		
13	STR-013	0	Boundary wall (3) part 1 - Walls	dijla - eng,sahar	23/12/2020		X				X	X			27/11/2020		
14	STR-014	0	WATER TANK WALLS	dijla - eng,sahar	29/12/2020		X				X	X			9/1/2021		
15	STR-015	0	Single Wall (STR-WALLS-01,02,03)	dijla - eng,sahar	29/12/2020		X				X	X			9/1/2021		
16	STR-010	1	Boundary wall (2)	dijla - eng,sahar	5/1/2021		X				X	X			31/1/2021		
17	STR-06	2	Boundary wall (1) PART1	dijla - eng,sahar	4/1/2021		X				X	X			31/1/2021		
18	STR-16	0	SINGLE WALL (STR-WALLS -2-01,02,03,04)	dijla - eng,sahar	8/1/2021		X				X	X			8/1/2021		
19	STR-013	1	BOUNDARY WALL 3 PART 1	dijla - eng,sahar	11/1/2021		X				X	X			31/1/2021		
20	STR-017	0	Elevator Walls and Slab	dijla - eng,sahar	14/1/2021		X				X	X			18/1/2021		
21	STR-018	0	Stair Case Core 1 & 2 Reinforcement	dijla - eng,sahar	16/1/2021		X				X	X			16/1/2021		
22	STR-08	R2	Ground Beam (STR-GB-001/ STR-GB-002,3,4 AND 5)	dijla - eng,sahar	17/1/2021		X				X	X			21/1/2021		
23	STR-019	R0	Slab on Grade Reinforcement	dijla - eng,sahar	24/1/2021		X				X	X			28/1/2021		
24	STR-020	R0	External Ramp Footing and Wals	dijla - eng,sahar	24/1/2021		X				X	X			26/1/2021		
25	STR-021	R0	First Floor Beam Shopdrawings	dijla - eng,sahar	6/2/2021			X			X	X			17/2/2021		
26	STR-022	R0	Stair Case Core 2 Reinforcement	dijla - eng,sahar	15/2/2021			X			X	X			25/2/2021		

(Table 37: Civil Submittals – Civil Shop Drawings)

No.	Drawing REF.	Revision	Darwing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Rvise & Resubmit	Rejected	File	Site	Contractor				
Jumana Bint Abi Taleb Basic Mixed School- Amman																
27	01	0	foundation details (1-9)	dijla - eng,sahar	7/11/2020				X		X	X			9/11/2020	
28	01-rev1	1	foundation details (1-9)	dijla - eng,sahar	16/11/2020		X				X	X			16/11/2020	
29	02	0	foundation details (10-14)	dijla - eng,sahar	9/11/2020				X		X	X			9/11/2020	
30	02-rev1	1	foundation details (10-14)	dijla - eng,sahar	16/11/2020			X			X	X			18/11/2020	
31	02-rev2	2	foundation details (10-14)	dijla - eng,sahar	19/11/2020	X					X	X			19/11/2020	
32	03	0	walls under SOG	dijla - eng,sahar	17/11/2020				X		X	X			26/11/2020	
33	03-rev1	1	walls under SOG	dijla - eng,sahar	2/12/2020		X				X	X			6/12/2020	
34	04	0	SOG	dijla - eng,sahar	24/11/2020				X		X	X			2/12/2020	
35	04-rev1	1	SOG	dijla - eng,sahar	9/12/2020		X				X	X			17/12/2020	
36	05	0	Boundary wall -north east - north west	dijla - eng,sahar	29/11/2020				X		X	X			12/12/2020	
37	05-rev1	1	Boundary wall -north east - north west	dijla - eng,sahar	17/12/2020		X				X	X			17/12/2020	
38	06	0	Tie Beams	dijla - eng,sahar	7/12/2020			X			X	X			7/12/2020	
39	06-rev1	1	Tie Beams	dijla - eng,sahar	19/12/2020	X					X	X			24/12/2020	
40	07	0	Boundary wall - south east	dijla - eng,sahar	21/12/2020		X				X	X			24/12/2020	
41	08	0	ground floor framing plan	dijla - eng,sahar	29/12/2020				X		X	X			6/1/2021	
42	08-rev1	1	ground floor framing plan	dijla - eng,sahar	9/01/2021				X		X	X			9/1/2021	
43	08-rev2	2	ground floor framing plan	dijla - eng,sahar	28/01/2021			X			X	X			30/01/2021	
44	08-rev3	3	ground floor framing plan	dijla - eng,sahar	1/02/2021	X					X	X			3/2/2021	
45	09	0	columns	dijla - eng,sahar	6/1/2021				X		X	X			16/01/2021	
46	09-rev1	1	columns	dijla - eng,sahar	6/2/2021	X					X	X			10/2/2021	
47	10	0	first floor slab	dijla - eng,sahar	23/01/2021				X		X	X			4/2/2021	
48	10-rev1	1	first floor slab	dijla - eng,sahar	8/2/2021				X		X	X			15/02/2021	

(Table 38: Civil Submittals – Civil Shop Drawings)

No.	Drawing REF.	Revision	Drawing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor				
49	10-rev2	2	first floor slab	dijla - eng,sahar	20/02/2021	X					X	X			22/02/2021	
50	11	0	stone base details	dijla - eng,sahar	27/01/2021		X				X	X			28/01/2021	
51	12	0	shear wall layout	dijla - eng,sahar	2/02/2021				X		X	X			2/2/2021	
52	12-rev1	1	shear wall layout	dijla - eng,sahar	2/02/2021				X		X	X			2/2/2021	
53	12-rev2	2	shear wall layout	dijla - eng,sahar	3/02/2021		X				X	X			2/2/2021	
54	13	0	transformer walls	dijla - eng,sahar	6/02/2021			X			X	X			2/2/2021	
55	13-rev1	1	transformer walls	dijla - eng,sahar	7/02/2021	X					X	X			7/2/2021	
56	14	0	Planter walls (external work)	dijla - eng,sahar	8/02/2021				X		X	X			14/02/2021	
57	14-rev1	1	Planter walls (external work)	dijla - eng,sahar	15/02/2021	X					X	X			16/02/2021	
58	15	0	staircase details	dijla - eng,sahar	13/02/2021				X		X	X			17/02/2021	

(Table 39: Civil Submittals – Civil Shop Drawings)

No.	Drawing REF.	Revision	Darwing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor				
Hay AL-Iskan basic mixed school																
59	S1-S15A	0	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
60	S1-S15A	1	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	24/11/2020				X		X	X			26/11/2020	
61	S1-S15A	2	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	29/11/2020		X				X	X			1/12/2020	
62	S1-S15A	3	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	1/12/2020				X		X	X			3/12/2020	
63	S15B-S30	0	column from footing to end floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
64	S15B-S30	1	column from footing to end floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	
65	S15B-S30	2	column from footing to end floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
66	S15B-S30	0	S.O.G REIN. Basement floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
67	S15B-S30	1	S.O.G REIN. Basement floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	
68	S15B-S30	2	S.O.G REIN. Basement floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
69	S15B-S30	0	S.O.G REIN. GROUND floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
70	S15B-S30	1	S.O.G REIN. GROUND floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	

(Table 40: Civil Submittals – Civil Shop Drawings)

No.																
						Approved	Approved as Noted	Rvise & Resubmit	Rejected	File	Site	Contractor				
71	S15B-S30	2	S.O.G REIN. GROUND floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
72	S31-S57	0	STRIP FOOTING REINF.	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
73	S31-S57	1	STRIP FOOTING REINF.	Eng.Amer khewlih	30/11/2020			X			X	X			9/12/2020	
74	S31-S57	2	STRIP FOOTING REINF.	Eng.Amer khewlih	15/12/2020	X					X	X			17/12/2020	
75	S58-S73J	0	CORE REINF.	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
76	S58-S73J	1	CORE REINF.	Eng.Amer khewlih	19/12/2020			X			X	X			22/12/2020	
77	S58-S73J	0	SHEAR WALL REINF	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
78	S58-S73J	1	SHEAR WALL REINF	Eng.Amer khewlih	19/12/2020			X			X	X			22/12/2020	
79	128A-160	0	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
80	128A-160	1	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	9/12/2020		X				X	X			15/12/2020	
81	128A-160	2	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	16/12/2020	X					X	X			16/12/2020	
82	128A-160	0	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
83	128A-160	1	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	1/12/2020			X			X	X			3/12/2020	

(Table 41: Civil Submittals – Civil Shop Drawings)

No.	Drawing REF.	Revision	Darwing Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Rvise & Resubmit	Rejected	File	Site	Contractor				
84	128A-160	2	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	9/12/2020		X				X	X			12/12/2020	
85	128A-160	3	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	15/12/2020	X					X	X			16/12/2020	
86	-	0	EXCAVATION	Eng.Amer khewlih	21/11/2020			X			X	X			23/11/2020	
87	-	1	EXCAVATION	Eng.Amer khewlih	30/11/2020			X			X	X			1/12/2020	
88	-	2	EXCAVATION	Eng.Amer khewlih	1/12/2020		X				X	X			1/12/2020	
89	R.L3	0	REDUCE LEVEL	Eng.Amer khewlih	26/12/2020			X			X	X			27/12/2020	
90	-	1	REDUCE LEVEL	Eng.Amer khewlih	27/12/2020		X				X	X			27/12/2020	
91	S 74-S75	0	BASEMENT SLAB	Eng.Amer khewlih	2/1/2021		X				X	X			4/1/2021	
92	S 74-S75	1	BASEMENT SLAB	Eng.Amer khewlih	5/1/2021	X					X	X			5/1/2021	
93	SCP10-14	0	Stair case	Eng.Amer khewlih	16/1/2021		X				X	X			18/1/2021	
94	1	0	Structural details for stone pillow below the S.O.G for the north east and north west elevations	Eng.Amer khewlih	16/1/2021	X					X	X			16/1/2021	
95	SCP10-14	1	Stair case	Eng.Amer khewlih	25/1/2021		X				X	X			26/1/2021	
96	SSP500-510	0	slab first floor	Eng.Amer khewlih	23/1/2021		X				X	X			27/1/2021	
97	-	0	main steel requeriment bedded stone	Eng.Amer khewlih	30/1/2021	X					X	X			31/1/2021	
98	S58-S73J	0	shear wall from ground floor to roof floor	Eng.Amer khewlih	24/1/2021		X				X	X			31/1/2021	
99	SSP500-510	1	slab first floor	Eng.Amer khewlih	20/2/2021	X					X	X			20/2/2021	

(Table 42: Civil Submittals – Civil Shop Drawings)

3.4.2 Civil Material Submittals

Wahib Medanat Consultant Engineers

SUBMITTALS LOG																	
Schools for Knowledge Economy Projects (SKEP III), Package 2																	
Civil Materials Submittal Tracking LOG																	
Date:		Supervision Engineer: Wahib Medanat Consultant Engineers															
Project:		10/2019/USAID/SKEP/3/2		Contractor:		Dijlah Est. Constr. Contr.											
Rep no.:		5		Site:													
No.	Item Type	Revision	Item Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes	
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor					
1	Waterproof Protection Boards	1	Waterproof Protection Boards	Dijlah Est. Const. Contr.	14/09/2020				X	X		X					
2	Ready-Mix Concrete	1	Ready-Mix Concrete	Dijlah Est. Const. Contr.	26/09/2020			X		X		X					
3	Waterproof Protection Boards	2	Waterproof Protection Boards	Dijlah Est. Const. Contr.	07/10/2020		X			X		X					
4	Polystyrene Boards		Polystyrene Boards	Dijlah Est. Const. Contr.	06/10/2020												
5	Polystyrene Boards for Walls	1	Polystyrene Boards for Walls	Dijlah Est. Const. Contr.	20/10/2020	X				X		X					
6	Polystyrene Boards for Roofs	1	Polystyrene Boards for Roofs	Dijlah Est. Const. Contr.	20/10/2020				X	X		X					
7	Paint Works	1	Paint Works	Dijlah Est. Const. Contr.	12/10/2020		X			X		X					
8	Ready-Mix Concrete	2	Ready-Mix Concrete	Dijlah Est. Const. Contr.	20/10/2020	X				X		X					
9	PVC Water Stop	1	PVC Water Stop	Dijlah Est. Const. Contr.	25/10/2020				X	X		X					

(Table 43: Civil Submittals – Civil Materials Submittal)

No.	Item Type	Revision	Item Name	Received From	Date Received	Status				Copies Delivered To			Specified Date for Submission	Max Date	Date of Response	Notes
						Approved	Approved as Noted	Revise & Resubmit	Rejected	File	Site	Contractor				
10	Waterproofing Membrane	1	Waterproofing Membrane	Dijlah Est. Const. Contr.	25/10/2020				X	X		X				
11	Bitumen Emulsion	1	Bitumen Emulsion	Dijlah Est. Const. Contr.	25/10/2020	X				X		X				
12	Vapor Retarder	1	Vapor Retarder	Dijlah Est. Const. Contr.	25/10/2020	X				X		X				
13	Mastic Sealent	1	Mastic Sealent	Dijlah Est. Const. Contr.	25/10/2020	X				X		X				
14	cement base elastomeric	1	cement base elastomeric	Dijlah Establishment Const. Contr.	01/11/2020	X				X		X				
15	non toxic solvent free epoxy polysulfide paint	1	non toxic solvent free epoxy polysulfide paint	Dijlah Establishment Const. Contr.	01/11/2020	X				X		X				
16	Grout Material	1	Grout Material	Dijlah Establishment Const. Contr.	15/11/2020	X				X		X				
17	Concrete Repair Material	1	Concrete Repair Material	Dijlah Establishment Const. Contr.	15/11/2020	X				X		X				
18	Polystyrene Boards		Polystyrene Boards	Dijlah Establishment Const. Contr.	15/11/2020	X				X		X				
19	Y (10) Mild Steel Bars	1	Y (10) Mild Steel Bars	Dijlah Establishment Const. Contr.	17/11/2020				X	X		X				
20	(A)C-29	1	Steel Reinforcement	Dijlah Establishment Const. Contr.	17/01/2021		X			X		X				

(Table 44: Civil Submittals – Civil Materials Submittal)

Annex -4-

Site Visits Reports & Meetings

4.1 Coordination & Progress Meetings

4.2 Site Visits

Annex -4-

4.1 Coordination & Progress Meetings

Roll out of Medanat SKEP III Website on Feb 21, 2021 – Wahib Medanat Office
(Refer to Table 2. Coordination & Progress Meetings – Page 18)

Minutes of Meeting

Subject: Roll out of Medanat SKEP III Website

Location: Wahib Medanat Consultant Engineers Office

Date: February 21, 2021

Time: 10:00 a.m.

Present:

1. Lana Arijj, MPWH
2. Ola nababteh, MPWH
3. Tareq Rashdan, USAID
4. Michael MCGovern, CMTO
5. Maysoon Al-Hyari, CMTO
6. Osama Obeid, CMTO
7. Alaa Aldeeri, CMTO
8. Odai Tawalbeh, CMTO
9. Nisreen Shunnar, UNOPS
10. Huda Badghaish, UNOPS
11. Safa Al-Julani, UNOPS
12. Nour Al-Karmi, UNOPS
13. Muhammad Khalil, UNOPS
14. Zeina Othman, UNOPS
15. Shaun McNally, ESMP
16. Gassan Hemsy, ESMP
17. Njil Hanahneh, ESMP
18. Inam Abu Zaid, ESMP
19. Fadwa Abu Ghaida, Mostaqbal
20. Hashem Al-faqih, Bitar Consultants
21. Jumana Al-Hassani, Bitar Consultants
22. Wahib Medanat, Medanat Office
23. Suhair Amarin, Medanat Office
24. Natheer Amarin, Medanat Office
25. Hasan Shaqboua, Medanat Office
26. Sawsan Al-Yousef, Medanat Office
27. Mahmoud Mughannam, Medanat Office
28. Firas Oudah, Derar Saraireh Contr.
29. Yousef abu zneimeh, Derar Saraireh Contr
30. Omar Abu Hammur, Derar Saraireh Contr

The Purpose of the meeting is to roll out Medanat SKEP III Website, giving a brief presentation about its main goals, the helpful data and documents it will provide, and the benefits of moving into the electronic formats and filing system.

The movement of construction management (CM) communications, activity operational and control documentation to electronic formats and filing systems and away from antiquated hard copy systems:

11- Saving Time:

Using shared electronic file management and storage systems allows immediate access to data rather than waiting for hard copies to be sent and transmitted through couriers and the post. It also means that Architects, Engineers and others don't waste time making photocopies of hard copies. The time to review and approve documents is also reduced as Architects and Engineers and others have real time access to documents on their computers all the time;

12- Saves Money:

Using electronic files and documents means many fewer file cabinets, bookshelves, notebooks, copy machines, staples, hole-punchers, pens, pencils and less paper. All the time that Architects and Engineers and others take working to copy and file hard copy is also expensive and this time represents wasted money;

13- Improves Overall Teamwork and CM Coordination:

It also makes it easy to copy and disseminate information to many more people on the team in many locations quickly and effectively;

14- Helps Architects and Engineers Reduce COVID-19 Disease Transmission:

Architects and Engineers can take their computers home and still have access to CM and CA documentation that is on the cloud. With hard copies, they have to take files home with them or if they forget them or don't take all the files they need they can't work at home; and

15- Increases General Accuracy of All CM/CA Work:

At the site and in the office, working on MS WORD, MS EXCEL, MS ACCESS and in other scheduling software brings computational accuracy to work. It means daily, weekly and monthly reports, submittals, RFIs, and other contract documentation that anyone can more easily read rather than trying to read someone's poor handwriting. Calculators are no longer needed. This is also a time and money saver.

16- Street to help the Contractor staff and our staff.

17- Eliminate the need to keep files.

18- A way we can track Non-Conformances- what is the latest action.

19- This is also Document Controller System.

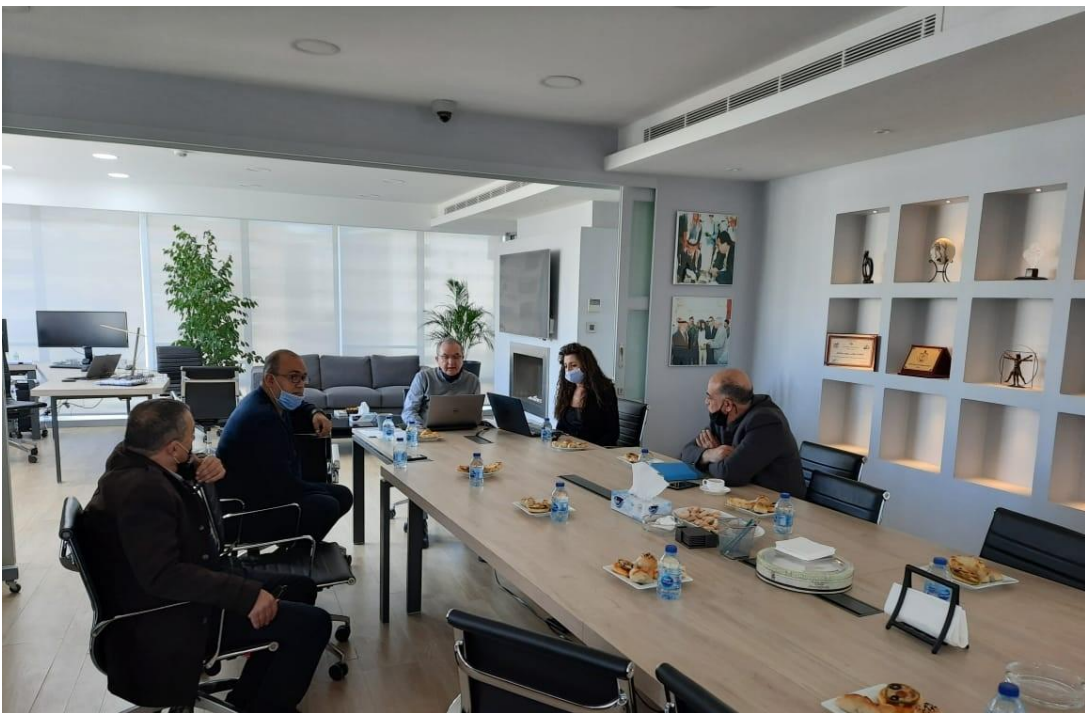
20- To provide Furniture-Use it to develop their plan- JSEP IV example.

This type of on-line, real time, CM system is the next step to today's best practice, vertical structure management systems known as Building Information Management (BIM) systems.



Roll out of
Medanat
SKEP III
Website
(Virtual)





Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III



**WAHIB
MEDANAT**
consultant engineers
مهندسون استشاريون

Location: Zoom Meeting
Date: February 24, 2021
Time: 10:00
Present:

1. Eng. Basema Shehan ,HDIFP, MPWH
2. Eng. Ola Nababteh, Engineer at IFP, MPWH
3. Eng. Tarek Rashdan, PMS, USAID
4. Eng. Osama Obaid, SCM, CMTO
5. Eng. Maysoon Al Hiyari, SGL, CMTO
6. Eng. Wahib Medanat, General Manager, Medanat
7. Eng. Suhair Amarin, Project Director, Medanat
8. Eng. Natheer Amarin, Project Manager, Medanat
9. Eng. Sawsan Al-Yousef, Resident Engineer, Medanat
10. Eng. Mahmud Moghanam, Resident Engineer, Medanat
11. Mr. Muhannad Abu Rshaid, General Manager, Dijlah
12. Eng. Amer Abdel Ghani, Project Manager, Dijlah
13. Eng. Firas Odeh, Project Manager, Dirar Al Saraireh
14. Eng. Yousef Abu Znaimeh, Planning Engineer Dirar Al Saraireh

The Purpose of the Meeting is to follow up the Progress of the Project and to discuss different issues.

At the beginning, Suhair gave Introduction about the purpose of the meeting.

Package 1

1. Project Description

- 1.1. Mahmoud gave a brief about Package 1 sites.

2. Progress Review

- 2.1 Wahib gave a brief about the Contract Duration and Commencement Date, and a comparison a comparison between February actual and planned progress.
- 2.2 Wahib stated that the cumulative and Monthly progress in both Khadija Bint Khwailed school and Um Aldananir school are within the scheduled, but there is a delay at School Al-Khansa' School by 4.35%.

3. Site borders, boundary walls and soil investigation

RE gave a brief about the Executed works at each site

Unsolved obstacles:

- 3.1 The soil investigation at Al Kahansa' School finished on 11/02/2021 waiting the report from ACES, Designer assessment, and accordingly, to

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III



**WAHIB
MEDANAT**
consultant engineers
مهندسون استشاريون

start the footings excavations.

- 3.2 The plot limits problem at Khadija School -existing boundary wall.
- 3.3 The plot limits Um Al Dananir School.
- 3.4 The Contractor said:
 - Khadija School: the Designer recommended to demolish the existing boundary wall at this school, but this is not easy because the neighbor is out of the country recently, and the Contractor requested to agree on the Designer's second alternative, which allow to keep the existing wall and construct the new retaining wall close to the existing one.
 - Um Al Dananir: the Contractor focused on the utilities at the street which partially pass inside the site borders, which must be taken in consideration in the solution that will be suggested.
 - Al Khansa'a: the Contractor requested to expedite the soil investigation results from ACES so that he can pour blinding concrete for footings, after approval by Designer.
- 3.5 Basema said Khadija regardless the existing boundary wall lays inside the site borders, we must abide by the design drawings, unless there is a conflict with the footings of the boundary wall, Maysoon asked about the section of the retaining wall as design drawings, the answer by Natheer was that the section is L section, so Maysoon commented that no need to excavate in the neighbor's land.
- 3.6 Natheer said the existing boundary wall lays inside the site borders, and this is clear in the design drawings, but the footing of the existing wall is above the FFL by 2.6m. The Designer recommended to demolish the existing wall and construct the new wall at its location coordinate with the neighbor (which is not possible) therefore we sent to the Employer all the documents for instructions.
- 3.7 Basema said we contacted with MOE engineer about this and he promised within two days they will try to obtain an order by the Governor to demolish the existing wall which we prefer for safety issues especially that the existing wall is not stable and made of block, otherwise we will go with constructing the retaining wall close to it as per the drawings.
- 3.8 Wahib said the best solution is to construct the retaining wall close to the existing, and all parties prefer this solution.

4. Status of Submittals:

- 4.1 The submittal tracking sheet which shows the materials submittals status

2

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III



**WAHIB
MEDANAT**
consultant engineers
مهندسون استشاريون

and percentages for all section Architectural, Electrical, and Mechanical presented by RE.

- 4.2 Suhair commented that as per the Contract all submittals should be completed at this stage, the Contractor has been notified to accelerate materials submittals for Engineer review & approval.

Package 2

1. Project Description

Sawsan gave a description for the project, she clarified that it consists of three construction sites as follows:

- 1.1 The largest building is Jumana School, consists of 23 classrooms, 4 KG rooms. The estimated number of students is 924, cost /m² is 545.11 JD and cost/ student is 3221.12 JD.
- 1.2 Hay Al Iskan School consists of 23 classrooms and 2 KG rooms. The estimated number of students is 876, cost /m² is 488.50 and cost/ student is 3067.17 JD.

2. Health, Safety and Environment

Sawsan stated that the Contractor abides with the Contract requirements regarding health, safety and environment and the protective measures for COVID-19 are implemented in all of the project sites.

3. Site Borders, Boundary Walls and Soil Investigation

- 3.1. Sawsan stated that plot limit at Thahr Al Sarow School and regulatory street are the site obstacles.
- 3.2. Pending issue is the mock up rooms in Jumana School.
- 3.3. Amer confirmed what stated above.

4. Progress Review

- 4.1. Wahib diagram for time report which includes Commencement, start and finish dates for the project.
- 4.2. Graphs showing the elapsed time for each site, cash flow for the package, advanced payment and interim payment no.1.
- 4.3. CPM, a diagram showing the comparison between the accumulative actual progress (19.40%) for the whole package which relatively the same of the planned percentage (20.20 %).

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III



**WAHIB
MEDANAT**
consultant engineers
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view the materials that stated in the vendor list and the specifications do not match with the Jordanian Building Code or the MPWH regulations.

- 5.5 Tarek asked Amer, if the Contractor is abiding with the specifications in the mechanical submittals, he added this issue was discussed in the previous progress meeting and the Contractor was requested to abide by the specifications. Amer answered that some of the specifications are not applicable for the previously mentioned reasons.
- 5.6 Tarek clarified that the Tender Documents and the specifications are approved by MPWH and the designer, if any issue arises, it should be sent by RFI but not a substitution of the materials. Amer said that the Contractor would like to have the chance to discuss this issue with all parties.
- 5.7 Maysoun said that she agrees totally with Eng. Tarek and confirmed that if the materials are submitted according to Vendor list, it will save a lot of time and any related delay will be avoided. Why should we spend time on this issue since the Vendor List and the Contract Documents are clear? She added that the materials are available in the market and the Contractor has more than one choice as indicated in the Vendor List, this issue is discussed in the previous meeting (since a month!), these specifications are agreed upon by MPWH and USAID, why should we go further with such a discussion!
- 5.8 Suhair to Amer, if you submitted all the required materials and then it is found out that there is a major problem in three or four materials, and then we will take the necessary actions and contact all the project parties in this regard to get this matter solved.
- 5.9 Natheer stated that the designer response regarding the galvanized pipes is to abide by the specifications. Suhair confirmed this recommendation.
- 5.10 Wahib stated that this not the Engineer's problem, the Contract price in the Contract is according to the vendor list and they should abide with the Designer recommendations.
- 5.11 Muhanned clarified that several meetings were held concerning the mechanical items, Medanat helped in solving some problems. He also added that it is true that the specifications are approved by USAID and MPWH but we could not avoid the truth that some of the nominated manufacturers do not exist in the market, Medanat cooperate with us to find solutions for such arising issues but it is not the Engineer's duties to modify the Contract. He also stated that Sawsan and Suhair know that such issues were solved based upon the site meetings in the presence of

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III



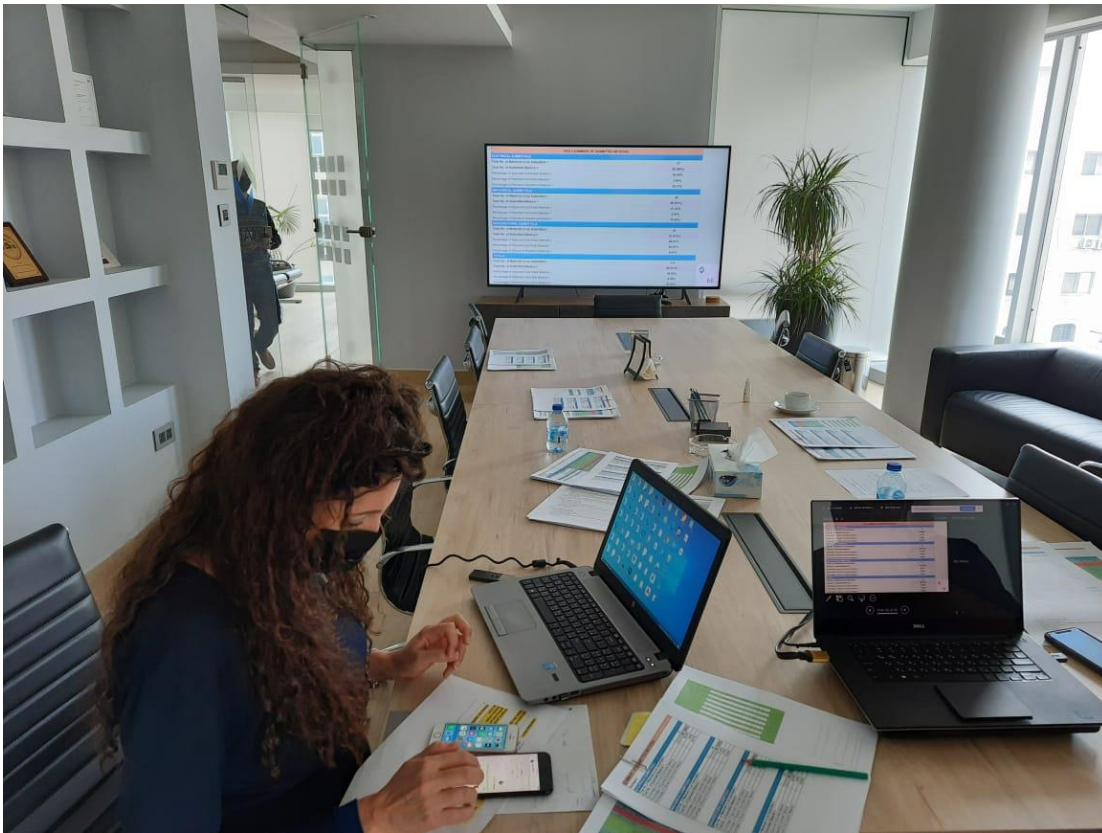
NAHIB
MEDANAT
consultant engineers
مهندسون استشاريون

Natheer. We commit that within two weeks most of the pending issues will be solved noting that the rejected materials could not be considered as not submitted materials.

- 5.12 Basema said the other Contractor started to send letters regarding the mechanical materials indicated in the Vendor List and added MPWH is flexible and if the Engineer recommends that some specifications could not be achieved, MPWH will go with such a recommendation.



Februray
Monthly
Progress
Meeting-
Wahib
Medanat
Office
(Virtual)





Eng Whaib
made a
presentation
on
(Scheduled
and actual)
progress
percentages

Annex -4-

4.2 Site Visits

Trigon Visit, Feb 09, 2021– Hay Al Iskan Basic Mixed School- Jerash

(Refer to Table 3. Site Visits – Page 19)



Eng. Hasan Shaqboua
Discussing the main issues in the site, including the boundary walls and the actions taken to fix the borders of the school plot.



Eng. Osama Obaid-
CMTO- reviewing the site documents.



Eng. Sawsan and Eng. Osama discussing backfilling (single size) behind retaining walls adjoining neighbor land. Sawsan confirmed that a prior approval was obtained from the neighbor to use part of his land to execute the work.



Site Visit, Feb 09, 2021 – Thahr Al Sarow Basic School for Boys- Jerash

(Refer to Table 3. Site Visits – Page 19)



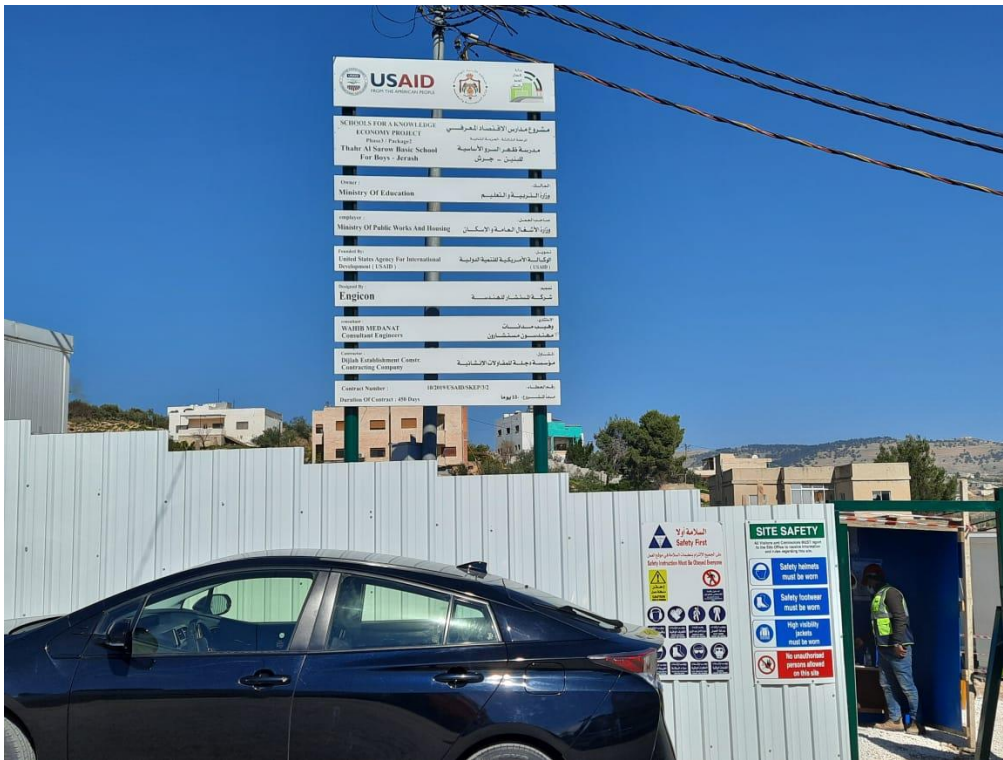
Temperature check and signing visitors' attendance sheet at the entrance of the site, complying with Covid-19 Protocol



Discussing back-filling issue



A Meeting to discuss the latest updates on work



Site Visit, Jan 22, 2021– Hay Al Iskan Basic Mixed School- Jerash

(Refer to Table 3. Site Visits – Page 19)



Eng. Tareq, Eng. Basema, and Eng. Wahib are discussing the architectural drawings of Hay Al Iskan school



Mike pointing out how steep the regulatory street is



Eng. Basema and Eng. Tareq discussing how the regulatory street will affect the school's external works design



Eng. Wahib pointing at the location of the regulatory street



Site Visit, Jan 22, 2021 – Hay Al Iskan Basic Mixed School- Jerash

(Refer to Table 3. Site Visits – Page 19)



Discussing the Plot limit issue



Discussing the encroachment of the street and sidewalk into the school site



Site Visit, Jan 25, 2021 – Jumana Bint Abi Taleb Basic Mixed School- Jerash

(Refer to Table 3. Site Visits – Page 19)





Eng. Yousef Omar discussing the actual progress and comparing it with the updated work schedule









Discussing shop-drawings, lab tests and submittals statues

Site Visit on Feb 16, 2021 – Thahr Al Sarow Basic School for Boys- Jerash
 (Refer to Table 3. Site Visits – Page 21)

				SKEP III		Site Visit Report	
Consultant		Wahib Medanat Consultant Engineer		Rep No.		022	
Contractor		Dijlah Establishment Constr. Contracting		Tender No.		(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)	
Site Name		Thahr Al Sarow Basic School for Boys- Jerash		Day/ Date		Tus. 16/02/2021	
Duration of Project		450 Calendar Days		Total Project Budget		8,314,983.735 JD	

No.	Visitors		Remarks
1	Suhair Amarin	Project Dir.	
2	Akram Khammes	Electrical Eng.	
3	Marwan Sonna'a	Mech. Eng.	
4	Wahib Medanat	General Manager	

Visit Notes

No.	Description
1	Follow up the execution of the work and comparing it with the updated schedule.
2	Discussing the submitted three price offers of the recommended backfilling (selected materials) for the unconfined areas.
3	Discussing the delay in the submission of the mechanical materials and its effect on the work progress.

Attached



1:





CC: Project Director

1

\\SERVER\Data\E\PROJECTS FILES\368\Package 2\Site Visits\Site Visit Report- 022.docx
 Form # QP SUP 01-18, Rev.1

Site Visit on Feb 16, 2021 – Hay Al Iskan Basic Mixed School- Jerash
 (Refer to Table 3. Site Visits- page 21)

				SKEP III		Site Visit Report	
Consultant		Wahib Medanat Consultant Engineer		Rep No.		021	
Contractor		Dijlah Establishment Constr. Contracting		Tender No.		(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)	
Site Name		Hay Al Iskan Basic Mixed School- Jerash		Day/ Date		Tus. 16/02/2021	
Duration of Project		450 Calendar Days		Total Project Budget		8,314,983.735 JD	

No.	Visitors		Remarks
1	Suhair Amarin	Project Dir.	
3	Akram Khammes	Electrical Eng.	
4	Marwan Sonna'a	Mech. Eng.	
5	Wahib Medanat	General Manager	

Visit Notes

No.	Description
1	Follow up the progress of the execution the backfilling (single size) behind the retaining and boundary walls.
2	Discussing the results of the Base coarse test report. They recommended to remove all the delivered quantities out of the construction site.
3	Discussing the delay of the submission of the mechanical shop drawings and the effects of such a delay.

Attached



1:





CC: Project Director

1

\\SERVER\Data\E\PROJECTS FILES\368\Package 2\Site Visits\Site Visit Report- 021.docx
 Form # QP SUP 01-18, Rev.1

Site Visit on Feb 27, 2021 – Jumana Bint Abi Taleb Basic Mixed School- Amman
(Refer to Table 3. Site Visits - page 21)

				SKEP III		Site Visit Report	
Consultant	Wahib Medanat Consultant Engineer	Rep No.	024				
Contractor	Dijlah Establishment Constr. Contracting	Tender No.	(11/2019/USAID/SKEP/3/S) Schools for a Knowledge Economy Project (SKEP) - Phase (3) Package (1, 2)				
Site Name	Jumana Bint Abi Taleb Basic Mixed School- Amman	Day/ Date	Sat. 27/02/2021				
Duration of Project	450 Calendar Days	Total Project Budget	8,314,983.735 JD				

No.	Visitors		Remarks
1	Suhair Amarin	Project Dir.	
3	Akram Khammes	Electrical Eng.	
4	Marwan Sonna'a	Mech. Eng.	
5	Wahib Medanat	General Manager	

Visit Notes	
No.	Description
1	Follow up the work progress and comparing it with the updated work schedule.
2	Check the quality of the execute works.
3	Discussing undetermined mechanical issues such as valves,...etc.

Attached
<input type="checkbox"/> 1:

1

\\SERVER\Date\E\PROJECTS\FILES\368\Package 2\Site Visits\Site Visit Report- 024.docx
Form # QP SUP 01-18, Rev.1

CC: Project Director

Annex -5-

RFIs Tracking Logs

5.1 RFIs – Designer

5.2 RFIs – Contractor

Annex -5-

RFIs Tracking Logs

5.1 RFIs – Designer

5.1 RFIs - Designer

Wahib Medanat Consultant Engineers

REQUEST FOR INFORMATION TRACKING LOG						
School for Knowledge Economy Project (SKEP III)						
ISSUED BY: WAHIB MEDANAT CONSULTANT ENGINEER						
ISSUED TO: ENGICON CONSULTANT						
RFI.	Name of School	Description		Details of Designer Response		File Location
		Date		Date		
017	All Schools - Package 2	31/01/2021	two details one with marble sill inside and stone sill outside, the other marble inside and outside. clarify and feedback. In relation to which detail shall we use	31/01/2021	A special stone piece has been added to increase the window-sill height from 85cm to 90cm. To determine which detail to use, the contractor refer to the elevations and the wall sections for each school where the sill type is indicated	..\RFI- FORMS\Designer reply -RFI 017\Designer reply- RFI 017.pdf
018	Hay Al Iskan Basic Mixed School- Jerash	01/02/2021	we need the specifications for 15 KVA and 20 KVA in order to provide the device properly to achieve the required efficiency.	03/02/2021	20KVA UPS is 2 x10 modules expandable in future /(adding new module), while 15KVA UPS is one module 1x15 modules expandable in future/ (adding new module).	..\RFI- FORMS\Designer reply- RFI 018.pdf
019	All Schools - Package 2	06/02/2021	In the design drawings the mass concrete is underground beams-drawing no. SKEP 18-SSD-401.	08/02/2021	There is no mass concrete under the elevator. Mass concrete is required only under tie beams. The statement in B.O.Q (mass concrete under elevator) was written by mistake.	..\RFI- FORMS\Designer reply- RFI 019.docx
020	All Schools - Package 2	07/02/2021	Usage of available sizes in the local market instead of the sizes as per BoQ,	08/02/2021	As per the available sizes we proposed: 1. Pipe size (16mm) to be replaced by (15mm). 2. Pipe size (20mm) to be replace by (18mm). 3. Pipe size (25mm) to be replaced by (22mm).	..\RFI- FORMS\Designer reply -RFI 020.docx
021	All Schools - Package 2	08/02/2021	The size of the Floor clean out's cover is (200*200)mm . There is Possibility to be installed in the same room , which will affect the architecture view	09/02/2021	It's the supervision call to make whatever they find suitable	..\RFI- FORMS\Designer reply- RFI 021.pdf
022	Jumana Bint Abi Taleb Basic Mixed School- Amman	10/02/2021	Boundary walls in drawing different than in construction due to ground level	14/02/2021	Sections 23 & 24 have been modified to match ground levels (drawings are included in the answer)	..\RFI- FORMS\Designer reply -RFI 022\RFI- 022 Reply.pdf

(Table 45: RFI Tracking Log - RFIs to Designer)

Annex -5-

RFIs Tracking Logs

5.2 RFIs – Contractor

5.2 RFIs - Contractor

Wahib Medanat Consultant Engineers

REQUEST FOR INFORMATION TRACKING LOG											
School for Knowledge Economy Project (SKEP III), Package 2											
Hay Al Iskan Basic Mixed School- Jerash											
ISSUED BY: WAHIB MEDANAT CONSULTANT ENGINEER											
ISSUED TO: DIJLAH ESTABLISHMENT CONSTR. CONTRACTING											
Thahr Al Sarow Basic school for Boys-Jerash:											
Jumana Bint Abi Taleb Basic Mixed School- Amman:											
Hay Al Iskan Basic Mixed School- Jerash:											
RFI. #	Name of School	Details of RFI			Field	Status		Details of Consultant Response		File Location	
		Date	Description			Sent to Designer	Answered directly from Office	Date	Description	From Site	From Office
E-003	Hay Al Iskan Basic Mixed School-Jerash	30/01/2021	In addendum (2), the answer of the question related to the UPS to be modular Type had been given without any specifications for this type	Electrical	-	X	6/2/2021	In this case, modularity means expandability and not redundancy	-	..\RFI- from Contractor\Hay Al Iskan Basic Mixed School\E3.jpeg	
006	Jumana Bint Abi Taleb Basic Mixed	23/01/2021	Provide structural details about (D.R & C.R) Section and Steel	Structural	-	X	1/2/2021	see the drawings provided	-	..\RFI- from Contractor\Jumana Bint Abi Taleb Basic Mixed School\RFI - 006.pdf	
007	Jumana Bint Abi Taleb Basic Mixed	10/02/2021	About BW4 the actual height of (NGL) is 100.2 to 100.5 Which is higher than the (TOW) (98.1 & 98.3) in design dwgs. As per attached dwg. An advice is required in this regard	Structural	-	X	13/01/2021	Proceed with the work referring to the actual natural ground level.	-	..\RFI- from Contractor\Jumana Bint Abi Taleb Basic Mixed School\RFI- 007-done-sent to yousef via whatsapp\RFI 7- Done sent to Yoused via Whatsapp.docx	
008	Jumana Bint Abi Taleb Basic Mixed	10/02/2021	The drop beam width for, this drop beam is containing an architectural protrusion while with referring to the architectural drawing for the same section of that beam included it will be 65 cm width and as per as the attached illustration sections	Structural	-	X	15/02/2021	Increase the width of the beam by (15cm) to match the architectural drawings.	-	..\RFI- from Contractor\Jumana Bint Abi Taleb Basic Mixed School\RFI- 008-done- sent to yousef on whatsapp .pdf	

(Table 46: RFI Tracking Log - RFIs from Contractor)

Annex -6-

Lab-Tests Results

6.1 Tracking Log

6.2 Excerpts of Sampling & Testing

Annex -6-

6.1 Tracking Log

Lab-Tests Results Tracking Log

Wahib Medanat Consultant Engineers

Thahr Al Sarow Basic School for Boys-Jerash

LAB-TEST RESULTS TRACKING LOG

Testing Results LOG Sheet

Schools for Knowledge Economy Projects (SKEP III- Package 2)

Wahib Medanat Consultant Engineers

Dijlah Establishment Constr. Contracting

Thahr Al Sarow Basic School for Boys

Tender No.: 10/2019/USAID/SKEP/3/2

Status of Test:	Pass	
	Fail	

1. Civil & Architectural Materials

2. Earthwork Materials

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
2.1.1	Thahr Al-Sarow	RSS	Excavated Material	70-73	The purpose of the testing is to check whether the excavated material is suitable for backfilling or not. The excavated material is checked to determine the classification of the soil in accordance to the related specifications in the contract.	Excavated Material	1	01/11/2020	3000 m3	05/11/2020	Failed	25104/24/220(530105)	Removing Material from the site	RSS	
										Test Date		Testing Report No.			Notes

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
2.1.2	Thahr Al-Sarow	RSS	Backfilling Material	36	If the excavated material is classified as suitable for backfilling, then will be used and layers will be tested for compaction. If not, the borrow material is single size. Testing and executing as per page 71-technical specification	Single Size	1	31/1/2021	500m3	6/2/2021	minor defect	(530105)220/28/24/3406	No	RSS	fine = 2.2%, max. =2%

3. Concrete Works

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
3.1.3	Thahr Al-Sarow	RSS	Water Stop	110	PVC Water Stop 25 cm width	Dimension, Theoretical examination, tension and stretching, and knowledge of the substance	1	19/1/2021	50 m.l	24/1/2021	Fail	(530103)220/28/24/2566	removed from site	RSS	—
3.2.1	Thahr Al-Sarow	GEOTES T	Concrete Mix (Blinding)	107/112-113	SOURCE QUALITY CONTROL A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating	Blinding concrete for boundary wall	3	15/12/2020	48	23/12/2020	Pass	2020-RC-002437-7	No	GEOTES T	
							3	15/12/2020	48	12/01/2021	Pass	2020-RC-002437-28	No	GEOTES T	

Thahr Al-Sarow	GEOTES T		reinforced corner for boundary walls	3	9/1/2021	18	16/1/2021	Pass	2020-RC-002591-7	No	GEOTES T
Thahr Al-Sarow	GEOTES T			3	9/1/2021	18	06/02/2021	Pass	2020-RC-002754-28	No	GEOTES T
Thahr Al-Sarow	GEOTES T		reinforced Colum and wall for guard home	3	9/1/2021	9	16/1/2021	Pass	2020-RC-002592-7	No	GEOTES T
Thahr Al-Sarow	RSS			3	9/1/2021	9	06/02/221	Pass	2020-RC-002753-28	No	GEOTES T
Thahr Al-Sarow	GEOTES T		footings and retaining walls	3	9/1/2021	340	17/1/2021	Pass	(530105)220/28/24/3445	No	RSS
Thahr Al-Sarow	GEOTES T			3	9/1/2021	340	7/2/2021	Pass	(530105)220/28/24/3445	No	RSS
Thahr Al-Sarow	GEOTES T		reinforced footing	9	9/1/2021	152	19/1/2021	Pass	2021-RC-2617-7	No	GEOTES T
Thahr Al-Sarow	GEOTES T			9	9/1/2021	152	6/2/2021	Pass	2020-RC-002752-28	No	GEOTES T
Thahr Al-Sarow	GEOTES T		reinforced boundary wall	3	12/1/2021	46	19/1/2021	Pass	2021-RC-2618-7	No	GEOTES T
				3	12/1/2021	46	14/2/2021	Pass	2020-RC-002824-28	No	GEOTES T
			special needs ramp	3	18/01/2021	7	26/01/2021	Pass	2021-RC-2676-7	No	GEOTES T
				3	18/01/2021	7	15/2/2021	Pass	2020-RC-002752-28	No	GEOTES T
			Raft foundation	12	19/01/2021	310	26/01/2021	Pass	2021-RC-2672-7	No	GEOTES T
				12	19/01/2021	310					
			Raft foundation	9	19/01/2021	310	26/01/2021	Pass	2021-RC-2671-7	No	GEOTES T
				9	19/01/2021	310					
			Raft foundation	3	19/01/2021	310	26/01/2021	Pass	(530105)220/28/24/4474	No	RSS
				3	19/01/2021	310	16/2/2021	Pass	(530105)220/28/24/4474	No	RSS
			Building wall and column under sog	6	1/24/2021	80	31/1/2021	Pass	2021-RC-2700-7	No	GEOTES T
				6	1/24/2021	80					
			Ramp walls	3	27/01/2021	20	06/02/2021	Pass	2021-RC-2755-7	No	GEOTES T
				3	27/01/2021	20					
			mass concrete	3	2/3/2021	7	14/2/2021	Pass	2021-RC-2825-7	No	GEOTES T
				3	2/3/2021	7					
			wall and column under sog part 2	3	2/3/2021	48	14/2/2021	Pass	2021-RC-2827-7	No	GEOTES T
				3	2/3/2021	48					
			water tank walls	3	2/4/2021	50	14/2/2021	Pass	2021-RC-2829-7	No	GEOTES T
				3	2/4/2021	50					

Item No.	School Name	Testing Lab	Description of Item	Specification page no.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Date (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
3.5.1	Thahr Al-Sarow	RSS	Steel Reinforcement	107-108	1.25.2.1 Reinforcing: <i>Deformed High Strength Steel 420 Mpa.</i> 1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond. Grade 420 Mpa complying with requirements of ACI and Jordanian National Building Code.	Φ10	3	05/11/2020	15	09/11/2020	Fail	(530103)220/28/24/25446	Removing Material from the site	RSS	
						Φ12	3	05/11/2020	40	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
						Φ14	3	05/11/2020	30	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
						Φ16	3	05/11/2020	40	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
						Φ18	3	05/11/2020	36	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
						Φ20	3	05/11/2020	39	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
						Φ25	3	05/11/2020	25	09/11/2020	Pass	(530103)220/28/24/25446	No	RSS	
3.5.1	Thahr Al-Sarow	RSS	Steel Reinforcement	107-108	1.25.2.1 Reinforcing: <i>Deformed High Strength Steel 420 Mpa.</i> 1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond. Grade 420 Mpa complying with requirements of ACI and Jordanian National	Φ10	3	21/1/2021	9	27/01/2021	Pass	(530103)220/28/24/2598	No	RSS	
						Φ12									
						Φ14									
						Φ16									
						Φ18									
						Φ20									
Φ25															

					Building Code.										
7. Thermal and Moisture Protection															
Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
7.4.1	Thahr Al-Sarow	RSS	Vapor retarders	177	polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	29/12/2020	600 m2	4/1/2021	fail	(530103)220/28/24/335	—	RSS	—
7.4.1	Thahr Al-Sarow	RSS	Vapor retarders		polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	21/1/2021	1000 m2	24/1/2021	pass	(530103)220/28/24/2349	—	RSS	—
2. Mechanical Materials															
Pipes															
15.37 , 15.44	Thahr Al-Sarow	RSS	UPVC Pipes		UPVC Pipes 160mm diameter	External Drainage Pipes	3	2/11/2021	200 ml	2/24/2021	Pass	(530103)220/28/24/5090	—	RSS	very minor deviation in thickness

(Table: 47 Lab-Tests Results Tracking Log - Thahr Al Sarow Basic School)

Lab-Tests Results Tracking Log

Wahib Medanat Consultant Engineers

Jumana Bint Abi Taleb Basic Mixed School- Amman

LAB-TEST RESULTS TRACKING LOG

Testing Results LOG Sheet

Schools for Knowledge Economy Projects (SKEP III- Package 2)

Wahib Medanat Consultant Engineers

Dijlah Establishment Constr. Contracting

Jumana Bint Abi Taleb Basic Mixed School

Tender No.: 10/2019/USAID/SKEP/3/2

Status of Test:	Pass	
	Fail	

1. Civil & Architectural Materials

2. Earthwork Materials

Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
2.3.1	Jumana Bint Abi Taleb Basic Mixed School	RSS	Excavated Material	70-73	The purpose of the testing is to check whether the excavated material is suitable for backfilling or not. The excavated material is checked to determine the classification of the soil in accordance to the related specifications in the contract.	Excavated Material	1	15/12/2020	4000 m3	20/12/2020	Pass	(530103)220/28/24/29246	No	RSS	

2.3.2	Jumana Bint Abi Taleb Basic Mixed School	RSS	Backfilling Material	36	If the excavated material is classified as suitable for backfilling then will be used and layers will be tested for compaction. If not, the borrow material is single size. Testing and executing as per page 71-technical specification .	As per the upper row, the excavated material is suitable for backfilling, therefore it will be used for backfilling as per specifications									
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3. Concrete Works

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
3.2.1	Jumana Bint Abi Taleb Basic Mixed School	GEO TEST	Concrete Mix (Blinding)	107/112-113	SOURCE QUALITY CONTROL A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.	Blinding for footings	3	22/12/2020	40m3	31/12/2020	Pass	2020-RC-002499-7	No	GEOTE ST	
							3	22/12/2020	40m3	19/01/2021	Pass	2020-RC-002612-28	No	GEOTE ST	
3.2.3, 3.2.4	Jumana Bint Abi Taleb Basic Mixed School	GEO TEST	Concrete Mix (Reinforced)		QUALITY ASSURANCE A. Refer to the General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and	Boundary wall (bw1) footings	3	20/12/2020	50m3	28/12/2020	Pass	2020-RC-002465-7	No	GEOTE ST	

3.2.1	Jumana Bint Abi Taleb Basic Mixed School	GEO TEST	Concrete Mix (Blinding)
3.2.3, 3.2.4	Jumana Bint Abi Taleb Basic Mixed School	GEO TEST	Concrete Mix

Housing, Edition 2, 1996- Bill No.3" Concrete Works"
C. Cyclopean Concrete:
 Cyclopean concrete shall consist of concrete with compressive strength 200 kg/cm2 containing large embedded stones.

		3	20/12/2020	50m3	19/01/2021	Pass	2020-RC-002611-28	No	GEOTE ST
Boundary wall (bw4) footings		3	24/12/2020	40m3	31/12/2020	Pass	2020-RC-002500-7	No	GEOTE ST
		3	24/12/2020	40m3	21/01/2021	Pass	2020-RC-002631-28	No	GEOTE ST
Blinding for upper footings		3	28/12/2020	74m3	07/01/2021	Pass	2020-RC-002526-7	No	GEOTE ST
		3	28/12/2020	74m3	25/01/2021	Pass	2020-RC-002665-28	No	GEOTE ST
boundary wall (bw4) footings-part 2		3	30/12/2020	104.5m3	07/01/2021	Pass	2020-RC-002527-7	No	GEOTE ST
		3	30/12/2020	104.5m3	30/01/2021	Pass	2020-RC-002699-28	No	GEOTE ST
basement footing (RF7)		9	5/1/2021	370m3	12/01/2021	Pass	2020-RC-002550-7	No	GEOTE ST
		9	5/1/2021	370m3	02/02/2021	Pass	2020-RC-002726-28	No	GEOTE ST
		3	5/1/2021	370m3	12/01/2021	Pass	(530103)220/28/24/3079	No	RSS
		3	5/1/2021	370m3	02/02/2021	Pass	(530103)220/28/24/3079	No	RSS
		3	5/1/2021	28m3	12/01/2021	Pass	2020-RC-002551-7	No	GEOTE ST
		3	5/1/2021	28m3	02/02/2021	Pass	2020-RC-002724-28	No	GEOTE ST
Boundary wall (bw4)		3	4/1/2021	40m3	12/01/2021	Pass	2020-RC-002549-7	No	GEOTE ST
		3	4/1/2021	40m3	2/2/2021	Pass	2020-RC-002725-28	No	GEOTE ST
		3	10/1/2021	45	19/01/2021	Pass	2020-RC-002610-7	No	GEOTE ST

Wall S11 between two levels	3	10/1/2021	45	10/2/2021	Pass	2020-RC-002780-28	No	GEOTE ST	
boundary wall (bw4) blinding	3	22/12/2020	17m3	31/12/2020	Pass	2020-RC-002498-7	No	GEOTE ST	
	3	22/12/2020	17m3	19/1/2021	Pass	2020-RC-002609-28	No	GEOTE ST	
walls between two levels section (S-11) (3)	3	10/01/2021	45	19/1/2021	Pass	2020-RC-002610-7	No	GEOTE ST	
	3	10/01/2021	45	10/2/2021	Pass	2020-RC-002780-28	No	GEOTE ST	
Boundary wall bw4 part 2	3	13/1/2021	30	21/1/2021	Pass	2020-RC-002632-7	No	GEOTE ST	
	3	13/1/2021	30	10/2/2021	Pass	2020-RC-002781-28	No	GEOTE ST	
Cyclopean concrete behind basement wall	3	13/1/2021	66	21/1/2021	Pass	2020-RC-002629-7	No	GEOTE ST	
	3	13/1/2021	66	10/2/2021	Pass	2020-RC-002782-28	No	GEOTE ST	
BW4 (middle part)	3	16/1/2021	19	25/1/2021	Pass	2021-RC-002666-7	No	GEOTE ST	
	3	16/1/2021	19	14/2/2021	Pass	2021-RC-002806-28	No	GEOTE ST	
Upper Foundation	21	23/1/2021	875	30/1/2021	Pass	2021-RC-002698-7	No	GEOTE ST	
	21	23/1/2021	875	22/2/2021	Pass	2021-RC-002889-28	No	GEOTE ST	
Column necks and walls under SOG	6	4/2/2021	105	14/2/2021	Pass	2021-RC-002807-7	No	GEOTE ST	
	6	4/2/2021	105	27/2/2021	Pass	2021-RC-002914-28	No	GEOTE ST	
Basement Walls	3	11/2/2021	105	22/2/2021	Pass	2021-RC-002887-7	No	GEOTE ST	
	3	11/2/2021	105						
Basement Columns	3	11/2/2021	8	22/2/2021	Pass	2021-RC-002888-7	No	GEOTE ST	
	3	11/2/2021	8						

Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
3.5.1	Jumana Bint Abi Taleb Basic Mixed School	RSS	Steel Reinforcement	107-108	1.25.2.1 Reinforcing: Deformed High Strength Steel 420 Mpa. 1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond. Grade 420 Mpa complying with requirements of ACI and Jordanian National Building Code.	Φ10	3	15/12/2020	5 ton	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ12	3	15/12/2020	6	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ14	3	15/12/2020	6	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ16	3	15/12/2020	13	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ18	3	15/12/2020	12	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ20	3	15/12/2020	15	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ25	3	15/12/2020	25	26/12/2020	Pass	(530103)220/28/24/29689	No	RSS	
						Φ12	3	7/1/2021	30	11/01/2021	Pass	(530103)220/28/24/1160	No	RSS	
						Φ14	3	7/1/2021	14	11/01/2021	Pass	(530103)220/28/24/1160	No	RSS	
						Φ16	3	7/1/2021	15	11/01/2021	Pass	(530103)220/28/24/1160	No	RSS	
						Φ18	3	7/1/2021	20	11/01/2021	Pass	(530103)220/28/24/1160	No	RSS	

	Jumana Bint Abi Taleb Basic Mixed School	RSS	Steel Reinforcement	107-108	1.25.2.1 Reinforcing: <i>Deformed High Strength Steel 420 Mpa.</i>	Φ10	3	7/1/2021	10	16/1/2021	Pass	(530103)220/28/24/1544	No	RSS	
	Jumana Bint Abi Taleb Basic Mixed School	RSS	Steel Reinforcement	107-108	1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond. Grade 420 Mpa complying with requirements of ACI and Jordanian National Building Code.	Φ25	3	7/1/2021	10	16/1/2021	Pass	(530103)220/28/24/1544	No	RSS	

7. Thermal and Moisture Protection

Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
7.4.1	Jumana Bint Abi Taleb Basic Mixed School	RSS	Vapor retarders	110	polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0m	7/1/2021	1000 m2	12/1/2021	Fail	(530103)220/28/24/1468	removed from the site	RSS	

Masonry Works

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
			Building Stone	123 /128	ASTM C 97 <i>Test methods for absorption and bulk specific gravity of natural building stone.</i> A.01 FIELD QUALITY CONTROL										

					1. Test mortar and grout in accordance with specification specified in this section.														
			Blockwork	122	3.02: A. Refer to General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996-Bill No.6” Masonry Works”														
			Ribs Work	122	3.02: A. Refer to General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996-Bill No.6” Masonry Works”														
			Stone Sills	123 /128	ASTM C 97 Test methods for absorption and bulk specific gravity of natural building stone. A.01 FIELD QUALITY CONTROL 1. Test mortar and grout in accordance with specification specified in this section.														

Tiles Works

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
			Terrazzo Tiles	227	<p>1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A-2099 – Specifications for Installation of Ceramic Tile in the Wet-Set Method with Portland cement Mortar. ANSI A108-1, B-2099 – Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar. Refer to Section 09300 - Page 227- References</p>										
			Ceramic Tiles	227	<p>1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A-</p>										

				<p>2099 – Specifications for Installation of Ceramic Tile in the Wet-Set Method with Portland cement Mortar. ANSI A108-1, B-2099 – Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar. Refer to Section 09300 - Page 227- References</p>										
			Porcelain Tiles	227	<p>1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A-2099 – Specifications for Installation of Ceramic Tile in the Wet-Set Method with Portland cement Mortar. ANSI A108-1, B-2099 – Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar. Refer to Section</p>									

				09300 - Page 227- References															
			Cement Tiles	86	1.02: ASTM C936 Specification for Solid Concrete Interlocking Paving Units.														
			Interlock Tiles	227	1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A- 2099 – Specifications for Installation of Ceramic Tile in the Wet- Set Method with Portland cement Mortar. ANSI A108-1, B- 2099 – Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar. Refer to Section 09300 - Page 227- References														

			Marble sills	227	<p>1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A-2099 – Specifications for Installation of Ceramic Tile in the Wet-Set Method with Portland cement Mortar. ANSI A108-1, B-2099 – Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar. Refer to Section 09300 - Page 227- References</p>														
			Granite Sills	227	<p>1.04: ANSI A118-10. 2099 – Load bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimensional Stone Insulation. ANSI A108-1, A-2099 – Specifications for Installation of Ceramic Tile in the Wet-Set Method with Portland cement Mortar. ANSI A108-1, B-</p>														

2099 –
 Specifications for
 Installation of
 Ceramic
 Tile on a Cured
 Portland Cement
 Mortar Setting
 Bed with Dry-Set
 or Latex Portland
 Cement Mortar.
 Refer to Section
 09300 - Page
 227- References

Aluminum Sections

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
				130-132	3. AWSD 1.2 – Aluminum K. Extrude shapes and tubes: (Aluminum) to ASTM B 221, 6061-T6, 6205-75										
				130-132	3. AWSD 1.2 – Aluminum K. Extrude shapes and tubes: (Aluminum) to ASTM B 221, 6061-T6, 6205-76										
				130-133	3. AWSD 1.2 – Aluminum K. Extrude shapes and tubes: (Aluminum) to ASTM B 221, 6061-T6, 6205-77										

Asphalt Layers

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
				77	2.02 SOURCE QUALITY CONTROL <i>A. Tests: A sample of material delivered to the project shall be taken for each 300 tons (270 metric tons) placed or each day's placement, whichever is greater, and tested for gradation and moisture density relationship</i> 3.03 FIELD QUALITY CONTROL: <i>b. Testing for compaction density ration under asphalt pavements and under concrete SOG.</i>										

Asphalt Membranes

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
				77	2.02 SOURCE QUALITY CONTROL <i>A. Tests: A sample of material delivered to the</i>										

project shall be taken for each 300 tons (270 metric tons) placed or each day's placement, whichever is greater, and tested for gradation and moisture density relationship
3.03 FIELD QUALITY CONTROL:
 b. Testing for compaction density ration under asphalt pavements and under concrete SOG.

Extruded Polystyrene

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
				173-174	1.04 SYSTEM DESCRIPTION Refer to 1.02 REFERENCES A. The insulation shall have a minimum K value of 0.027 W/mat 10oC to ASTM C518. B. The insulation shall be vermin proof and contain sufficient fire inhibitors to achieve a class 1 resistance to surface spread of flame when tested. C. The insulation shall be water proof										

					and vapor proof . D. The insulation shall have a minimum compressive strength of 300 Kpa (3kg/cm2) when tested to ASTM D1621.										
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Painting

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
				255-266	1.03 REFERENCES A. American National Standard Institute (ANSI). 1. ANSI A13.1 Scheme for the Identification of Piping Systems. 2. ANSI Z535-1 Safety Color Code. B. American Standard for Testing and Materials (ASTM). Refer to 1.03 REFERENCES - Page 255-266										

2. Mechanical Materials

Seamless Black Steel Pipes

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
		RSS	Steel Pipes (15.8,15.9,15.15,15.31)	29-31	Mild steel pipes , galvanized steel pipe (BS 1387)	pipe thickness , Max working pressure , composite material	1 samples	Site	ALL						RSS (Royal Scientific Society)

CPVC Pipes

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
		RSS	CPVC(15.24)	32	Chlorinated polyvinyl chloride (ASTM F 441 Schd-80, o DIN 8079 PN16 and PN 25)	pipe thickness , Max working pressure , composite material	1 samples	Site	ALL						

UPVC Pipes

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
		RSS	UPVC(15.42)	85	Plasticized Polyvinyl Chloride BS 4660, 5481– EN-1401-1:1998	pipe thickness, Max working pressure , composite material	1 samples	Site	ALL						

P.P.R Pipes

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
		RSS	P.P.R(15.32)	32	Polypropylene Pipes	pipe thickness , Max working pressure , composite material	1 samples	Site	ALL						

First Test for Boiler

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
		Third party	BOILER (15.2)	141-144	Heating Boiler	Boiler Efficiency	1 samples	Factory	All						

3. Electrical Materials

Lighting Fixtures

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
			Lighting Fixtures	16500/37	Internal lighting Emergency and Exit lighting External lighting	LED lamps, luminaires body, reflectors, wiring channels and castings	one sample	Site	All						

Power Cables

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes
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			Feeding power cables	16200/25	Power cable 4x150mm ² CU/XLPE/SWA/ PVC 4x50+1x25 mm ² CU/XLPE/PVC 4x16+1x16 mm ² CU/XLPE/PVC 4x10+1x10 mm ² CU/XLPE/PVC	Conductor resistance test Resistance to cracking Pressure test at high temperature Resistance to flame propagation	One sample	Site	All							
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Wires

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes	
			Internal Points External Points	16200/25	Wire for internal lighting, external lighting and sockets (2.5) mm ² PVC wires (4) mm ² PVC wires (6) mm ² PVC wires	Conductor resistance test Resistance to cracking Pressure test at high temperature Resistance to flame propagation	One sample	Site	All							

PVC Conduits

No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	Estimated No. of Tests to be Conducted	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes	
			PVC Conduits	16120/22	PVC conduits cables wires data fire system	Thickness	One sample	Site	All							

(Table: 48 Lab-Tests Results Tracking Log - Jumana Bint Abi Taleb Basic Mixed School)

Lab-Tests Results Tracking Log

Wahib Medanat Consultant Engineers

Hay Al Iskan Basic Mixed School- Jerash

LAB-TEST RESULTS TRACKING LOG

Testing Results LOG Sheet

Schools for Knowledge Economy Projects (SKEP III- Package 2)

Wahib Medanat Consultant Engineers

Dijlah Establishment Constr. Contracting

Hai Al- Iskan Basic Basic MixedSchool

Tender No.: 10/2019/USAID/SKEP/3/2

Status of Test:	Pass	
	Fail	

1. Civil & Architectural Materials

2. Earthwork Materials

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
2.2.1	Hay al-Iskan	RSS	Excavated Material	70-73	The purpose of the testing is to check whether the excavated material is suitable for backfilling or not. The excavated material is checked to determine the classification of the soil in	Excavated Material	1	18/11/2020	8000M3	22/11/2020	pass	(530105)220/28/24/26336	No	RSS	

					accordance to the related specifications in the contract.												
						Excavated Material	1	29/12/2020	6000 m3	4/1/2021	pass	(530105)220/28/24/388	No	RSS			
2.2.2	Hay al-Iskan	RSS	Backfilling Material	36	If the excavated material is classified as suitable for backfilling, then will be used and layers will be tested for compaction. If not, the borrow material is single size. Testing and executing as per page 71-technical specification .	As per the upper row, the excavated material is suitable for backfilling, therefore it will be used for backfilling as per specifications											
2.4.1a	Hay al-Iskan	GEOTES T	Base Course	75	Base Course material consisting of fine and coarse aggregate, the combination of materials conforming to the requirements of ASTM D2940	Base Course under SOG (Material)	1	8/2/2021	160m3	8/2/2021	pass	2021-RM-002251,52,53,54	No	GEOTES T			
2.4.1a	Hay al-Iskan	GEOTES T	Base Course	75	Compaction to 100% modified AASHTO density CBR≥ 80%	Base Course Compaction	3	11/2/2021	160m3	11/2/2021	pass	2021-RM-000502	No	GEOTES T			

3. Concrete Works

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
3.1.5	Hayal-Iskan	RSS	Water Stop	110	PVC Water Stop, 25 cm width	Dimension , Theoretical examination, tension and stretching, and knowledge of the substance	One sample / 3L.M	29/12/2020	1600 m2	6/1/2021	fail	(530103)220/28/24/1767	removed from the site	RSS	32/100
Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
3.2.1	Hayal-Iskan	GEOTES T	Concrete Cubes	107/112-113	SOURCE QUALITY CONTROL <i>A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.</i> QUALITY ASSURANCE <i>A. Refer to the General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996- Bill No.3"</i>	Blinding B.W level 111	6	23/12/2020	81	02/01/2021	Pass	2020-RC-002501-7	No	GEOTES T	
						Blinding B.W level 111	6	23/12/2020	81	23/01/2021	Pass	2021-RC-002642-28	No	GEOTES T	
3.2.2	Hayal-Iskan	GEOTES T	Concrete Cubes	107/112-113	SOURCE QUALITY CONTROL <i>A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.</i> QUALITY ASSURANCE <i>A. Refer to the General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996- Bill No.3"</i>	Building and B.W level 110/106.6/105.75	6	26/12/2020	100	02/01/2021	Pass	2020-RC-002502-7	No	GEOTES T	
						Building and B.W level 110/106.6/105.75	6	26/12/2020	100	23/01/2021	Pass	2021-RC-002643-28	No	GEOTES T	
						Cyclopean part 1	3	28/12/2020	20	09/01/2021	Pass	2020-RC-002539-7	No	GEOTES T	
						Cyclopean part 1	3	28/12/2020	20	26/01/2021	Pass	2021-RC-002677-28	No	GEOTES T	
3.2.3, 3.2.4	Hayal-Iskan	GEOTES T	Concrete Cubes	107/112-113	SOURCE QUALITY CONTROL <i>A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.</i> QUALITY ASSURANCE <i>A. Refer to the General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996- Bill No.3"</i>	Cyclopean part 2	3	29/12/2020	19	09/01/2021	Pass	2020-RC-002538-7	No	GEOTES T	
						Cyclopean part 2	3	29/12/2020	19	26/01/2021	Pass	2021-RC-002678-28	No	GEOTES T	
3.2.3, 3.2.4	Hayal-Iskan	GEOTES T	Concrete Cubes	107/112-113	SOURCE QUALITY CONTROL <i>A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.</i> QUALITY ASSURANCE <i>A. Refer to the General Technical Specifications for Buildings, the First Volume of Civil Works and Architectural issued by the Ministry of Public Works and Housing, Edition 2, 1996- Bill No.3"</i>	Footing of B.W #1&2 part 1	6	29/12/2020	107	09/01/2021	Pass	2020-RC-002542-7	No	GEOTES T	

		<p>Concrete Works”</p> <p>C. Cyclopean Concrete: Cyclopean concrete shall consist of concrete with compressive strength 200 kg/cm2 containing large embedded stones.</p>		6	29/12/2020	107	26/01/2021	Pass	2021-RC-002679-28	No	GEOTES T
			Footing of B.W #1&2 part 2	6	31/12/2020	99	09/01/2021	Pass	2020-RC-002540-7	No	GEOTES T
				6	31/12/2020	99	30/01/2021	Pass	2020-RC-002704-28	No	GEOTES T
			Footing of B.W #1 part 3	6	2/1/2021	63	09/01/2021	Pass	2020-RC-002541-7	No	GEOTES T
				6	2/1/2021	63	30/01/2021	Pass	2020-RC-002705-28	No	GEOTES T
			Wall of B.W 1&2/part 1	6	5/1/2021	95	12/1/2021	Pass	2020-RC-002577-7	No	GEOTES T
				6	5/1/2021	95	04/02/2021	Pass	2021-RC-002747-28	No	GEOTES T
RSS				3	5/1/2021	95	12/1/2021	Pass	(530103)220/28/24/3081	No	RSS
				3	5/1/2021	95	02/02/2021	Pass	(530103)220/28/24/3081	No	RSS
	GEOTES T		Footing of building at 111.00	6	5/1/2021	128	16/01/2021	Pass	2020-RC-002587-7	No	GEOTES T
				6	5/1/2021	128	04/02/2021	Pass	2020-RC-002748-28	No	GEOTES T
				3	5/1/2021	128	12/01/2021	Pass	(530103)220/28/24/3081	No	RSS
RSS				3	5/1/2021	128	02/02/2021	Pass	(530103)220/28/24/3081	No	RSS
	GEOTES T		Wall of B.W 1&2/part 2	6	9/1/2021	83	16/1/2021	Pass	2020-RC-002589-7	No	GEOTES T
				6	9/1/2021	83	11/2/2021	pass	2021-RC-002809-28	No	GEOTES T
	GEOTES T		Footing of building at 111.00	3	9/1/2021	87	16/1/2021	pass	2020-RC-002576-7	No	GEOTES T
				3	9/1/2021	87	11/2/2021	pass	2021-RC-002810-28	No	GEOTES T
	GEOTES T		Footing of building at 110.00	3	9/1/2021	60	16/1/2021	pass	2020-RC-002588-7	No	GEOTES T
		3		9/1/2021	60	11/2/2021	pass	2021-RC-002812-28	No	GEOTES T	

Footings and boundary walls	3	9/1/2021	250	17/1/2021	pass	(530105)220/28/24/34 46	No	RSS	
	3	9/1/2021	250	7/2/2021	pass	(530105)220/28/24/34 46	No	RSS	
Footing of building 106.6 F1	3	12/1/2021	24	19/01/2021	pass	2021-RC-002613-7	No	GEOTES T	
	3	12/1/2021	24	11/2/2021	pass	2021-RC-002813-28	No	GEOTES T	
Wall B.W1 Part 3	3	12/1/2021	24	19/01/2021	pass	2021-RC-002614-7	No	GEOTES T	
	3	12/1/2021	24	11/2/2021	pass	2021-RC-002811-28	No	GEOTES T	
Footings of building 106.6	6	13/1/2021	129	23/01/2021	pass	2021-RC-002644-7	No	GEOTES T	
	6	13/1/2021	129	11/2/2021	pass	2021-RC-002808-28	No	GEOTES T	
boundary wall 1 & 2	3	16/1/2021	35	23/01/2021	pass	2021-RC-002645-7	No	GEOTES T	
	3	16/1/2021	35	14/2/2021	pass	2021-RC-002815-28	No	GEOTES T	
boundary wall 1 part 2-2	3	19/1/2021	20	26/01/2021	pass	2021-RC-002680-7	No	GEOTES T	
	3	19/1/2021	20						
F7 and CF7	3	24/1/2021		01/02/2021	pass	2021-RC-002721-7	No	GEOTES T	
	3	24/1/2021							
Raft Foundation 1	6	24/1/2021		01/02/2021	pass	2021-RC-002720-7	No	GEOTES T	
	6	24/1/2021							
Basement Shear Wall	9	27/1/2021		04/02/2021	pass	2021-RC-002749-7	No	GEOTES T	
	9	27/1/2021							
Wall of Building	3	28/1/2021		04/02/2021	pass	2021-RC-002751-7	No	GEOTES T	

Item No.	School Name	Testing Lab	Description of Item	Specification on Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
							3	28/1/2021							
						Building Footing	3	28/1/2021		04/02/2021	pass	2021-RC-002750-7	No	GEOTEST	
							3	28/1/2021							
						Wall BW 1 Part 3	3	4/2/2021		14/2/2021	pass	2021-RC-002816-7	No	GEOTEST	
							3	4/2/2021							
						Ground Beams	3	6/2/2021		14/2/2021	pass	2021-RC-002817-7	No	GEOTEST	
							3	6/2/2021							
						Wall Core 3, SW 1,2,3	6	7/2/2021		14/2/2021	pass	2021-RC-002818-7	No	GEOTEST	
							6	7/2/2021							
3.5.1	Hayaliskan	RSS	Steel Reinforcement	107-108	<p>1.25.2.1 Reinforcing: Deformed High Strength Steel 420 Mpa.</p> <p>1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond. Grade 420 Mpa complying with requirements of ACI and</p>	Φ10	3	27/12/2020	45	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
						Φ12	3	27/12/2020	35	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
						Φ14	3	27/12/2020	35	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
						Φ16	3	27/12/2020	35	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
						Φ18	3	27/12/2020	40	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
						Φ20	3	27/12/2020	40	30/12/2020	pass	(530103)220/28/24/1	No	RSS	

Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Tests	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
					Jordanian National Building Code.	Φ25	3	27/12/2020	7	30/12/2020	pass	(530103)220/28/24/1	No	RSS	
4. Masonry Works															
4.1.1g	Hay al-Iskan	GEOTES T	Blocks for boundary walls		Dimension of Block 20cm x 20cm x40cm	Blocks	6	4/2/2021		6/2/2021	pass	2021-RM-002243	No	GEOTES T	
7. Thermal and Moisture Protection															
Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of samples	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Laboratory	Notes
7.1.1	Hay al-Iskan	RSS	Waterproofing		Asphalted Waterproofing Membrane	Thickness and Properties	1	11/2/2021	25 ROLLS	2/14/2021	pass	(530104)220/28/24/4895	—	RSS	—
7.4.1	Hay al-Iskan	RSS	Vapor retarders	177	polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	29/12/2020	1600 m2	6/1/2021	fail	(530103)220/28/24/570	removed from the site	RSS	—
7.4.1	Hay al-Iskan	RSS	Vapor retarders	177	polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	21/1/2021	—	24/1/2021	pass	(530103)220/28/24/2350	—	RSS	—

(Table: 49 Lab-Tests Results Tracking Log - Hay Al Iskan Basic Mixed School)

Annex -6-

6.2 Excerpts of Sampling & Testing

SKEP III Schools- Package 2- Number of Laboratory Tests- Status on 28.02.2021								
Tested Materials	Excavated Materials	Steel Reinforcement	Concrete Mixes	Water Stop	Vapor Retarder	Block-work	Water-Proof Membrane	Drainage Pipes
School								
Jumana Bint Abi Taleb Basic Mixed School	1	2	18, (168 cubes, 162 tested)	0	1	0	0	0
Hai Al-Iskan Basic Mixed School	4	1	28, (246 cubes, 207 tested)	1	2	1	1	0
Thahr Al-Sarow Basic School for Boys	2	2	27, (234 cubes, 192 tested)	1	2	0	0	1
Total	7	5	73	2	5	1	1	1
Failed	1	1*	0	2	3	0	0	0
Passed	6	4	73	0	2	1	1	1
% Failed	14% then 100%	20% then 0%	0%	100%	60%	0	0	0
% Passed	86% then 100%	80% then 100%	100%	0%	40%	100%	100%	100%

(Table: 50 Excerpts of Sampling & Testing)

- The failure was only for 10mm diameter, the material was removed from the site and substituted by complied material and test was conducted and passed.

Notes:

- Excavated Materials The tests aimed to observe whether the excavated materials are convenient for backfilling or not. If not, a special item in the contract for imported materials can be activated when needed.
- Steel Reinforcement: Each test consists of testing of three samples from each size of bars to be used. (i.e., diameters of 10mm, 12mm, 14mm, 16mm, 18mm, 20mm and 25mm).
- Concrete Mixes: Tests of the mixes consist of testing all types of mixes as per contract. 50% of the samples are tested after 7 days and 50% are tested after 28 days after casting.
- The failure of any material is followed promptly until the said material is replaced and lab test repeated to confirm passing of the material.

Detailed tests log is updated on weekly basis.

Annex -7-

Mobilization Tracking Log

Mobilization Tracking Log

Wahib Medanat Consultant Engineers

Mobilization Tracking Log- SKEP III - Package 2 Schools- Updated on 28/2/2021								
Contractor: Dijlah Establishment Constr. Contracting								
Contract item no. #	Description	Specified Time for Submission	Max. Date	Contractor Action	Date	Consultant Action	Date	Notes
#01500	Temporary Electrical Distribution System	Throughout the Works	-	Provided	-	Done	-	Ready
#21.2 #22.1 #23.2	Insurance Policy	Prior to the Commencement Date	20/10/2020	Comply	19/10/2020	Done	-	Ready
#98	Risk Management Plan	Prior to Commencement	20/10/2020	Comply	04/10/2020	Done	11/10/2020	Ready
#19.1/6-99	Safety Plan	Within 14 Days of the Commencement Date	04/11/2020	Comply	27/09/2020	Done	08/10/2020	Ready
#97	Quality Plan	Prior to the Commencement Date	20/10/2020	Comply	27/09/2020	Done	11/10/2020	Ready
#8.1	Facility Unit for Workers	Prior to the Commencement Date	20/10/2020	Comply	04/10/2020	Done	14/10/2020	Ready
#8.1	Provision of Safe Drinking Water	Prior to the Commencement Date	20/10/2020	Comply	-	-	-	Ready
#19.1/6-97	Waste Management Plan	Prior to the Commencement Date	20/10/2020	Comply	-	Done	-	Ready
#8.1	Communication With Jerash Municipality Regarding Construction Waste	Prior to the Commencement Date	-	Done	-	Done	-	-
#8.1	Communication with Greater Amman Municipality Regarding Construction Waste	Prior to the Commencement Date	-	Done	-	Done	-	-
#8.1	Submission of Social Security Payment of Employees	-	-	Not Submitted	-	-	-	Contractor is Requested
#8.1	Permits for Construction Works from Municipalities	Prior to the Comencement Date	-	Available	-	Done	-	-

(Table 51: Mobilization Tracking Log)

Mobilization Tracking Log

Wahib Medanat Consultant Engineers

Contract item no. #	Description	Specified Time for Submission	Max. Date	Contractor Action	Date	Consultant Action	Date	Notes
#8.1	Mock Up Room	Within 4-Months after Commencement	19/4/2021	A proposal is sent to execute the mock up rooms within 120 days of the concrete casting of the ground floor slab	18/1/21	The Employer is addressed in this regard	30/1/21	Awaiting for the Employer decision
#14.1	Work Schedule	Within 28-Days After Receipt of Letter of Acceptance	03/06/2020	Done	11/10/2020	Done	-	Approved
#14.3	Cash Flow	Within 30-Days After Receipt of Letter of Acceptance	03/06/2021	Done	11/10/2020	Done	-	Approved
#15.1	Contractor's Staff	Prior to Commencement	-	Done	14/10/2020	Done	-	All Recommended
#01500	Temporary Offices	Prior to Commencement	-	Comply	-	Done	-	-
#01500	Computers & Internet, Mobiles	Prior to Commencement	-	Not Provided	-	-	-	Original software version is not provided
#01500	Sewage System for the Temporary Offices	Prior to Commencement	-	Provided	-	-	-	Available
#01500	Parking (4 Engineers) (2 Visitors) Shaded	Prior to Commencement	-	Possible	-	-	-	Possible
#01500	Water for Sanitary Facilities	Prior to Commencement	-	Provided	-	-	-	Provided
	Safety Signs	Prior to Commencement	-	Provided	-	-	-	Provided
	Project Signs	Prior to Commencement	-	Provided	-	-	-	Available

(Table 52: Mobilization Tracking Log)

Annex -8-

Non-Conformance Reports Tracking Log

Non-Conformance Reports Tracking Log (HSE)

Wahib Medanat Consultant Engineers

NON-CONFORMANCE REPORT TRACKING LOG (HSE)								
Schools for Knowledge Economy Project (SKEP III), Package 2								
Wahib Medanat Consultant Engineer								
Health, Safety & Environment								
Date:			Supervision Engineer:					
Project:			Contractor:					
Rep. no.:			Site:					
	Thahr Al Sarow Basic school for Boys-Jerash:							
	Jumana Bint Abi Taleb Basic Mixed School-Amman:							
	Hay Al Iskan Basic Mixed School- Jerash:							
NCR NO.	Name of School	Date of NCR	Date of Response	Description of NCR	Corrective action Required	Contractor Action	File Location	Closed Date
1	Hay Al Iskan Basic Mixed School- Jerash:	06/02/2021	9/2/2021	part of the temporary fence was damaged	fix the damgaed part	the problem had been fixed	..\..\Safety\Corrective Action Hay al Iskan basic chool (1).pdf	-
2	Thahr Al Sarow Basic School for Boys- Jerash	11/02/2021	11/2/2021	Construction work related to "steel bars" is in unsafe condtion (falling hazard) and obtain the approval of the owner of the land that has been infringed upon	adding a supporting column, and removing extra unneeded steel bars. Toolbox for housekeeping	the problem had been fixed	..\..\Safety\Non-Conformance Reports\Corrective Action Thahr Al Sarow School.pdf	-
3	Jumana Bint Abi Taleb Basic Mixed School- Amman	28/02/2021	1/3/2021	1- Housekeeping 2- scaffolding 3- unsafe paths	1. Doing housekeeping work for storage area and paths in the site 2. Doing wear safety belt and provide life line for work at height 3. Providing the site with additional safety signs and steel caps	the problem had been fixed	..\..\Safety\Corrective Action Jumana Bint Abi Taleb Basic Mixed school. .pdf	-

(Table 53: Non-Conformance Reports Tracking Log)

Annex -9-

Materials Submittals

9.1 Architectural Submittals

9.2 Electrical Submittals

9.3 Mechanical Submittals

- Summary of Submitted Materials

Annex – 9 –

Materials Submittals

9.1 Architectural Submittals

9.1 Architectural Submittals Summary

Wahib Medanat Consultant Engineers

MATERIAL SUBMITTALS					
Architectural Submitted Material Schools for Knowledge Economy Projects (SKEP III) - Package 2 Wahib Medanat Consultant Engineer					
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
4.2 Natural Stone works					
4.2	Stone Works	Marbeltone Quality for marble & granite Nassar group Al-Jabary Marble Amer Al-Khatib for stone Or equivalent	Yes	REV.05	Approved
4.2.2 4.2.8 4.2.9- 4.2.12	Granite tile for staircases Granite coping for internal walls Granite wall tiles Granite tiles for platform Granite for drinking fountain Granite counter top	Marbeltone Quality for marble & granite Nassar group Al-Jabary Marble Amer Al-Khatib for stone Or equivalent	Yes	REV.01	Approved
4.2.4	Ajloun marble	Not Mentioned	Yes	REV.03	Approved
5 Metals					
5.1.1 + 5.1.2	Steel windows screens	Not Mentioned	Yes	REV.02	Approved
5.1.3	Steel cover for underground water tank	Not Mentioned	NO	NO	
5.1.4	3mm louver steel plate powder coated for underground water tank	Not Mentioned	NO	NO	
5.1.5	Access panel for underground water tank	Not Mentioned	NO	NO	
5.1.6	Flag pole	Not Mentioned	NO	NO	

5.1.7	Flag pole on top of roof	Not Mentioned	NO	NO	
5.1.8	Outdoor Shading	Not Mentioned	NO	NO	
5.1.9	1mm thick aluminum angle/tile trim-copping above porcelain and granite wall cladding	Not Mentioned	Yes	REV. 01	Not Approved
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
5.2.1	Steel ladder at top of roof	Not Mentioned	NO	NO	
5.2.2	Stainless steel ladder for underground water tank and internal water tank	Not Mentioned	NO	NO	
5.2.3	Galvanized steel ladder for underground water tank and internal pump room	Not Mentioned	NO	NO	
5.3.1	Handrails and Railing for internal stairs	Not Mentioned	Yes	REV. 01	Not Approved
5.3.2	Wall mounted handrail to internal stairs and to internal disabled ramp.	Not Mentioned	NO	NO	
5.3.3	Steel handrail at top of site walls, planters and wherever required	Not Mentioned	NO	NO	
5.3.4	Wall mounted handrail at disabled ramp.	Not Mentioned	NO	NO	
5.3.5	Powder coated steel protection rail at entrance main gate	Not Mentioned	NO	NO	
6.1 Custom Cabinets					
6.1.1	Cabinets in kitchenette, canteen, first aid room, child care room, KG classroom, teacher center, and wherever required	Not Mentioned	NO	NO	
6.2	Wooden Seats	Not Mentioned	NO	NO	
8. DOORS & WINDOWS					
8.1	Steel Doors and Frames	Not Mentioned	Yes	REV.02	Not Approved
8.2	Wood Doors	Not Mentioned	YES- Contractor submitted Non Fire Rated Wooden Door Leaf and Steel Frame	REV.01	Revise and resubmit for the door leaf Approved As Noted for the Steel Frame

	Wooden fire rated doors	Not Mentioned	NO	NO	
8.3.1 8.3.2	Aluminum Windows, Aluminum doors and curtain wall	curtain wall: Petra aluminum Co. AL-FAQEER INDUSTRIAL Co. Raghad Kalbouneh & Partners Co-Tichnical Aluminum &Glass	Yes	REV .04	Not Approved
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
9. FINISHING	FINISHING				
9.1	Portland Cement Plaster & Portland Cement Colored	Not Mentioned	NO	NO	
9.1.3	Colored plaster	Not Mentioned	Yes	REV.02	Approved
9.2.1.1	Porcelain floors tiles	Seasons Marrazi tiles/ salah Shihadeh Nabluse and Amad Or equivalent	Yes	REV.02	Approved as noted
9.2.1.2	Ceramic floors tiles	Seasons Marrazi tiles/ salah Shihadeh Nabluse and Amad Or equivalent	Yes	REV.02	Approved as noted
9.2.1.3	Carpet tiles over terrazzo	Not Mentioned	NO	NO	
9.2.1.4	Terrazzo tiles	Not Mentioned	NO	NO	
9.2.2.1	Glossy ceramic wall tiles	Seasons Marrazi tiles/ salah Shihadeh Nabluse and Amad Or equivalent	Yes	REV.02	Approved as noted
9.2.2.2	Porcelain wall tiles	Seasons Marrazi tiles/ salah Shihadeh Nabluse and Amad Or equivalent	Yes	REV.02	Approved as noted
9.2.3	Floor Coating (Polyester Polyurethane) for playground	Not Mentioned	NO	NO	
9.3.1 9.3.2	Emulsion paint Internal vinyl silk emulsion paint	Jotun Dulux	YES	REV.01	SUPPLIER IS APPROVED- contractor has been requested to submit painting colors after submitting the required tiles samples as one color scheme

		National Paints			
		Sipes			
		Or equivalent			
9.3.3	Nontoxic solvent free epoxy polysulfide paint	Not Mentioned	NO	NO	
9.4	Acoustical Suspended Ceilings	The Knauf Group	NO	NO	
		AMF- Ceilings Systems			
		Armstrong- Ceiling Systems			
		Or equivalent			
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
10- SPECIALITIES					
10.1	Toilet, Bath and Laundry Specialties (Toilet Accessories and Mirrors)	Bobbrick	NO	NO	
		Inda			
		Sonia			
10.2	Rubber Floor Mat	Not Mentioned	NO	NO	
11- EQUIPMENT					
11.1	Playground Equipment	Not Mentioned	NO	NO	
11.2	Laboratory Furnishing	Maani	Yes	REV.01	Not Approved
		Protech			
11.2.14	Coat Hanger	Not Mentioned	NO	NO	

(Table 54: Materials Submittals - Architectural Submittals)

Annex – 9 –

Materials Submittals

9.2 Electrical Submittals

9.2 Electrical Submittals Summary

Wahib Medanat Consultant Engineers

MATERIAL SUBMITTALS					
Electrical Submitted Material					
Schools for Knowledge Economy Projects (SKEP III) - Package 2					
Wahib Medanat Consultant Engineer					
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
16.1	Main Distribution Boards (MDB)	- Schneider (Europe) - Legrand (Europe) - ABB (Europe) - Eaton (Europe) - GE (USA) - Hager (Europe)	yes	REV.02	Approved as Noted
16.2	Motor Control Centers (MCC)	- Schneider (Europe) - Legrand (Europe) - ABB (Europe) - Eaton (Europe) - GE (USA) - Hager (Europe)	Yes	REV.02	Approved as Noted
16.3	Uninterruptible Power Supply (UPS)	- APC (Europe) - Eaton (Europe) - GE (USA) - Legrand (France) - G-Tec (Italy) - ABB (Europe)	Yes	REV.02	Revise and Re-Submit
16.4	Complete Earthing System	- Furse (UK) - Wallis (UK) -Kingsmill (UK)	Yes	REV.02	Approved
16.5	Distribution Boards	- Schneider (Europe) - Legrand (Europe) - ABB (Europe) - Eaton (Europe) - GE (USA) - Hager (Europe)	Yes	REV.01	Approved as Noted

16.6	Main and External Power Cables	- Jordan New Cable Co (Jordan) - Cabelco (Jordan) - Gulf Cable (Jordan) - Ducab (UAE) - Tekab (UAE) - Top Cable (Spain)	Yes	REV.01	Approved (Cabelco)
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
16.7	Feeding Power Cables	- Jordan New Cable Co (Jordan) - Cabelco (Jordan) - Gulf Cable (Jordan) - Ducab (UAE) - Tekab (UAE) - Top Cable (Spain)	Yes	REV.01	Approved (Cabelco)
16.8	Wiring Devices and Socket Outlets	- MK (Europe) - MEM (Europe) - Legrand (Europe)	Yes	REV.02	Approved
16.9	Disconnect Switch Isolator	- MK (Europe) - ABB (Europe) - Eaton (Europe) - Legrand (Europe)	Yes	REV.01	Approved
-	PVC Conduit	- Egatube (UK) - Decoduct (UAE) - Marshall Tufflex (UK) - Gulf Plastic (Jordan)	Yes	REV.02	Approved (Gulf Plastic)
16.12	Lighting Fixtures	- Thorn (UK) - iGuzzini (Italy) - Luce (Italy) - Targetti (Italy) - Philips (Netherlands) - EAE (Turkey) - GE (USA) - Zumtobel (Europe) - Leviton (USA) - R2B (Germany)	Yes	REV.02	Revise and Re-Submit
16.13	Lighting Presence I.R Sensor (PIR)	- MK (Europe) - MEM (Europe) - Legrand (Europe)	Yes	REV.02	Approved
16.14	Wall Fans	- Matthews (USA)	Yes	1	Revise and Re-Submit

16.15	External Lightning Distribution Boards	- Schneider (Europe) - Legrand (Europe) - ABB (Europe) - Eaton (Europe) - GE (USA) - Hager (Europe)	Yes	REV.02	Approved as Noted
16.16	External Lightning Poles	- Mitas (Turkey) - Babtain (KSA)	Yes	REV.02	Revise and Re-Submit
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
16.17	Cables for External Lightning Poles	- Jordan New Cable Co (Jordan) - Cabelco (Jordan) - Gulf Cable (Jordan) - Ducab (UAE) - Tekab (UAE) - Top Cable (Spain)	Yes	REV.01	Approved (Cabelco)
16.18	Fire Detection System	- Simplex (USA/Canda) - Notifier (USA) - EDWARD (UK) - Secutron (Canada) - Gent (UK)	Yes	REV.01	Approved as Noted
16.19	Structure Cabling System	- Leviton (USA) - AT&T (USA) - Legrand (France) - Digitus (Germany) - R&M (USA)	Yes	REV.02	Approved as Noted
16.20	Private Automatic Branch Exchange (PABX)	- Siemens - Ericsson - PanaSonic	Yes	REV.01	Approved
16.21	Program Change Bell System	-	Yes	REV.02	Approved as Noted
16.22	Audio/Video and Public Address System	- Tao (Japan) - ATEIS (Switzerland) - Bosch (Germany) - Paso (Italy) - Inter- M (Korea)	Yes	REV.04	Revise and Re-Submit
	Projector	- Sony - Sanyo - Hitachi	Yes	REV.02	Revise and Re-Submit

16.23	IP Based CCTV System	- Bosch (Germany) - Pelco (USA) - Axis (Denmark) - Samsung (Korea) - GE (USA)	Yes	REV.02	Not Approved
16.24	Intrusion System	- Optima - Bosch - Honeywell - Guardall	Yes	REV.02	Approved
16.25	Cable Tray	- Davis (UK) - Swifts (UK) - OBO Bettermann (Germany) - Cablofil (France)	No	-	-
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
16.28	Lightning Protection System	- Furse (UK) - Wallis (UK) -Kingsmill (UK)	Yes	REV.02	Approved as Noted (Kingsmill)
14	Elevator	- Kone (Italy) - Mitsubishi (Japan) - ThyssenKrupp (germany) - Schneider (France) - OTIS (USA) - SANYO (Japan)	Yes	REV.04	Approved

(Table 55: Materials Submittals - Electrical Submittals)

Annex – 9 –

Materials Submittals

9.3 Mechanical Submittals

9.3 Mechanical Submittals Summary

Wahib Medanat Consultant Engineers

MATERIAL SUBMITTALS					
Mechanical Submitted Material Schools for Knowledge Economy Projects (SKEP III) - Package 2 Wahib Medanat Consultant Engineer					
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.37 &15.44	UPVC Pipes and Fittings	ADASANI	UPVC pipes had been submitted only contractor should submit UPVC Fittings	REV.01	APPROVED AS NOTED
		NIC			
		TERRAIN			
		MARLEY			
		HEPWORTH			
		OSMA			
		OSTENNDROF-NG			
		CONCEPT			
		SAPCO			
		CAFMO			
15.31 & 15.54	Seamless steel pipes	NIPPON	YES	REV.01	APPROVED AS NOTED
		TUBAS			
		DELAMINI			
		PIETRA			
		HEBEI			
		INTERPIPE			
		BRISTOL			
		SILKTUBE			
15.31 & 15.54	Steel Fittings	AFL	YES	REV.01	APPROVED AS NOTED
		CRANE			
		ECONOSTO			
		DELAMINI			
		IBS			
		IRC			
		HEBEI			
SHURJOINTS					

		BRISTOL SHIELD			
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	VALVES	CRANE HATTERSLEY ECONOSTO OVENTROP T&A NIPCO HOLMES SHURJOINTS BRISTOL SHIELD	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Duct & Pipe Support	FISCHER HILTI FLAMCO MEFA CADDY BRISTOL INKA	NO	NO	
15.31 & 15.54	Guages / Thermometers	H.O.TERICE ASHCROFT WEISS DWYER TOZEN HOLMES LUXOR	NO	NO	
15.31 & 15.54	Sanitary Fixture	DURAVET LAUFEN VILERROY&BOCH IDEAL STANDARD KEREMAG RAK VITRA PRESSALT GEBERIT	YES	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Faucets & Mixer	GROHE HANSGROHE HANSA IDEAL STANDARD DELABIE	NO	NO	

THG					
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	Pipe & Duct Insulation	AFICO KIMCO HEBEI KNAUF IZOCAM K FLEX	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	All Kind Of Pumps (domestic, fire, submersible & irrigation)	KSB ARMSTRONG ITT HOLDEN BROOKS PULLEN FAIRBANKS MORES PACO NEW HADEN CRANE BIRAL FLYGT ABS AFICO KIMCO HEBEI KNAUF IZOCAM K FLEX HOMA JUNG HERBORNER BRISTOL GRUNDFOS WILO SAER AURORA SPP ANDRITZ	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Kitchen Sinks	ELKAY BLANCO SCHOCK	NO	NO	
15.31 & 15.54	Damper / Duct Accessories	KBE GREENHECK RUSKIN	Yes	Rev.01	REVISE & RE-SUBMIT

		TROX			
		BSB			
		MAT METROPOL AIR TECK			
		AIR MASTER			
		BSP			
		SAFID			
		ATAI			
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	Air Outlet / Louver	KBE TITUS TROX AIR MASTER TECHNOSTREAM COOLING INDUSTRIES GOLDEN STAR	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Flexible Duct Connections	DURODYNE DYNAIR SAFID	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	All Kinds of Fan	ACME TWINCITY ELTA SODECA VENCO PENN SYSTEM AIR GREEN HECK S&P WOODS	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Split Air Conditioners	DAIKEN PETRA SKM PANASONIC MITSUBISHI (MHI) O GENERAL GREE FUJITSU SAMSUNG LG TOSHIBA TRANE	Yes	REV.02	REVISE & RE-SUBMIT
	Rooftop Packaged Units	DAIKEN	Yes	REV.01	REVISE & RE-SUBMIT

15.31 & 15.54		PETRA			
		SKM			
		PANASONIC			
		MITSUBISHI (MHI)			
		O GENERAL			
		DUNHAM-BUSH			
		FUJITSU			
		SAMSUNG			
		LG			
		TOSHIBA			
		TRANE			
		YORK			
MCQUAY					
CARRIER					
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	Expansion Tanks	FLAMCO	Yes	REV.01	REVISE & RE-SUBMIT
		ARMSTRONG			
		REFLEX			
		EMRA-IMAS			
15.31 & 15.54	Double Regulating Valves	CRANE	Yes	REV.01	REVISE & RE-SUBMIT
		HATTERSLEY			
		T&A			
		OVENTROP			
		HOLMES			
		SHIELD			
		ACASO			
APE					
15.31 & 15.54	Pipe Flexible Connections	MASON	NO	NO	
		MERCER RUBBER			
		KINETICS			
		TOZEN			
15.31 & 15.54	Fire Hose Reel & Portable Fire Extinguisher	NORSEN	Yes	REV.02	REVISE & RE-SUBMIT
		ANGUS			
		THORN			
		COMBAT			
		NAFFCO			
		SUZHOU			
		BRISTOL			
		FULLBLAZE			
TOTAL					

		KIDDE NOHA SHIELD			
15.31 & 15.54	Galvanized Sheet Metal	NIPPON SUMITOMO SABIC	Yes	REV.02	Rejected
15.31 & 15.54	Boiler	HURST HOVAL LOOS VIESSMAN CLEARVER BROOKS WELLMAN ROBEY BURNHAM DE-DIETRICH CHAPEE SAINT ROCH BIASI IVAR BUDARAES	YES	REV.01	REVISE & RE-SUBMIT
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	Chimney & Chimney Breaching	RITE VENT SELKIRK RAAB DINAK METALOTERM ONTOP	NO	NO	
15.31 & 15.54	Air and Dirt Separator	SPIROTECH FLAMCOVENT REFLEX TACO BELL&GOSSET SIPIROVENT PNEAUMATIX T&A	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	LPG Valves	CRANE GIACOMINI COMAP TECOFI	NO	NO	
15.31 & 15.54	PRV's Regulating, Pressure Guages Safety Valves for LPG	FISHER REGO COMAP	NO	NO	

		HOLMES PIPEX AQUAPIPE			
15.31 & 15.54	Cross Linked Polyethylene (XLPE)	UPONOR LK REHAU HENCO OVENTROP FORNARA APE	Yes	REV.03	APPROVED AS NOTED
15.31 & 15.54	PEX PIPE FITTING	GIACOMINI EMMETI LUXOR OVENTROP FORNARA APE	Yes	REV.03	REVISE & RE-SUBMIT
15.31 & 15.54	Toilet Flushing System	GROHE GEBERIT ALCAPLAST	NO	NO	
Item No.	Description	Vendor List	Submitted Material	No. of Rev	Engineer Response
15.31 & 15.54	Electric Water Heater	ARISTON BAXI FERROLI THEMEX A.O.SMITH	Yes	REV.02	REVISE & RE-SUBMIT
15.31 & 15.54	ROOF DRAIN TRENCH	J R SMITH JOSAM WADE ZURN ACO	NO	NO	
15.30	Water Tanks	Not Mentioned	NO	NO	
15.23	Vibration Isolator	Not Mentioned	NO	NO	
15.27	LPG Copper pipes	Not Mentioned	NO	NO	
15.33 & 15.34	Polypropylene pipes	Not Mentioned	Yes	REV.02	REVISE & RE-SUBMIT
15.25	CPVC Pipes	Not Mentioned	Yes	Rev.02	REVISE & RE-SUBMIT

15.49	Water Cooler	Not Mentioned	Yes	Rev.01	APPROVED AS NOTED
15.35	Heating Cabinets	Not Mentioned	Yes	REV.01	REVISE & RE-SUBMIT
15.14	Anti- Scale units	Not Mentioned	NO	NO	
Gen.	Pipe flexible connections	Not Mentioned	NO	NO	
15.12	Radiators	VIDARUS	YES	REV.03	REVISE & RE-SUBMIT
15.26	Flow meter	Not Mentioned	NO	NO	
15.45	Manhole Cover	Not Mentioned	NO	NO	
15.18	Acoustic Duct Liner	Not Mentioned	NO	NO	
15.45	Manhole Rings	Not Mentioned	Yes	Rev.01	APPROVED AS NOTED
-	Rain Water Drain Outlet	Not Mentioned	Yes	Rev.01	APPROVED AS NOTED

(Table 56: Materials Submittals - Mechanical Submittals)

Annex – 9 –

Materials Submittals

- Summary of Submitted Materials

Summary of Submitted Materials

Wahib Medanat Consultant Engineers

SUMMARY OF SUBMITTED MATERIAL	
Package 2	
ELECTRICAL SUBMITTALS	
Total No. of Materials to be Submitted =	27
Total No. of Submitted Material =	26 (96%)
Percentage of Approved Submitted Material =	73.08%
Percentage of Rejected Submitted Material =	3.85%
Percentage of (Revise & Re-Submit) Material =	23.08%
MECHANICAL SUBMITTALS	
Total No. of Materials to be Submitted =	47
Total No. of Submitted Material =	29 (62%)
Percentage of Approved Submitted Material =	24.14%
Percentage of Rejected Submitted Material =	3.45%
Percentage of (Revise & Re-Submit) Material =	72.41%
ARCHITECTURAL SUBMITTALS	
Total No. of Materials to be Submitted =	42
Total No. of Submitted Material =	16 (38%)
Percentage of Approved Submitted Material =	62.50%
Percentage of Rejected Submitted Material =	31.25%
Percentage of (Revise & Re-Submit) Material =	6.25%
TOTALS	
Total No. of Materials to be Submitted =	116
Total No. of Submitted Material =	71 (61%)
Percentage of Approved Submitted Material =	50.70%
Percentage of Rejected Submitted Material =	9.85%
Percentage of (Revise & Re-Submit) Material =	39.45%

(Table 57: Materials Submittals - Summary of Submitted Materials)

Annex -10-

Obstacles log
(Site Obstacles)

10. Obstacles Log (Site Obstacles)

Wahib Medanat Consultant Engineers

SKEP III - Site Obstacles PK (2)														
Dijlah Establishment Constr. Contracting														
SN	School	Location	Mobilization		Soil Test			Demolishing Work Status	Site Obstacles Status					Notes/Comments
			Mobilization % Complete	Expected Completion Date	Soil Test Status	Need for Redesign	Redesign Status		Trees	Pole & Cables (Electrical, Telephone...)	Existing Electromechanical Obstacles	Construction	Others	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Jumana Bint Abi Taleb Basic Mixed School	Amman	99%	Once the Autocad is provided	-	-	-	-	-	-	-	-	-	The Contractor executed an adjacent wall to the existing one since the existing wall is considered as shoring system for the existing planter and trees of the neighbor
2	Hay Al Iskan Basic Mixed School	Jerash	99%	Once the Autocad is provided	-	-	-	-	-	-	-	-	A regulatory(10 m) street is planned to be executed by deduction 5 m along the south western side , the other 5 m will be deducted pf the neighbor land.	The Employer is addressed in this regard , awaiting for their decision
3	Thahr Al Sarow Basic School for Boys	Jerash	99%	Once the Autocad is provided	-	-	-	-	-	-	-	-	Plot Boundary Issue	Not solved yet

(Table 58: Obstacles)

Annex 11. Links:

11.1. Location Links

11.2. Web Site Reports Links

11. Links:

- **Location Links**

- 1- [Hay Al Iskan Basic Mixed School – Jerash](#)
- 2- [Thahr Al-Sarow Basic School for Boys](#)
- 3- [Jumana Bint Abi-Taleb Basic Mixed School](#)

- **Web Site Reports Links**

- 1- [Daily Reports](#)
- 2- [Monthly Reports](#)
- 3- [CMTO Inspection Reports](#)
- 4- [Quality Reports](#)

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