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. (4)

January. 2021

+962 6 5821206
+962 6 5817847
+962 79 7650576

fax +962 6 5862357

925497 Amman 11190 Jordan

mail@medanat.com
info@medanat.com

www.medanat.com

WAHIB MEDANAT
consultant engineers

Monthly Progress Supervision Report

January 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

Table of Contents

1	List of Abbreviations	3
2	Table of Contents	4
3	Project Particulars	7
4	Supervision Staff Members	9
5	Executive Summary	10
6	Summary of Activities	11
7	Meetings and Site Visits Logs	18
8	Correspondence Logs	22
9	Submittals Logs	22
10	Lab-Test Results Log	23
11	Demolition Reports Log	24
12	Grid 3x3 Inspection Report	24
13	Progress Table	25
14	Selected Photos	26
15	Site Problems and Solutions	35
16	Annexes	36
16.1	Annex 1: Site Resources Logs.	37
	▪ 1.1 Daily Plant – Equipment Log & Charts	38
	▪ 1.2 Daily Manpower Log & Charts	42
	▪ 1.3 Percentage of Completion (Progress Charts)	46
	▪ 1.4 Log of Activities (Completed & In-Progress)	57
	▪ 1.5 Cash-Flow Charts	59
16.2	Annex 2: Correspondence Logs.	62

	▪ 2.1 Incoming Letters	63
	▪ 2.2 Outgoing Letters	71
16.3	Annex 3: Submittals Logs.	72
	▪ 3.1 Architectural Submittals	73
	▪ 3.1.1 Arch. Shop Drawings	
	▪ 3.1.2 Arch. Materials Submittal	
	▪ 3.2 Electrical Submittals	75
	▪ 3.2.1 Elect. Shop Drawings	76
	▪ 3.2.2 Elect. Materials Submittal	77
	▪ 3.3 Mechanical Submittals	78
	▪ 3.3.1 Mech. Shop Drawings	79
	▪ 3.3.2 Mech. Materials Submittal	81
	▪ 3.4 Civil Submittals	82
	▪ 3.4.1 Civil Shop Drawings	83
	▪ 3.4.2 Civil Materials Submittal	
16.4	Annex 4: Site Visit Reports & Meetings	89
	▪ 4.1 Coordination & Progress Meetings	90
	▪ 4.2 Site Visits	125
16.5	Annex 5: RFI Tracking Log.	135
	▪ 5.1 Designer	136
	▪ 5.2 Contractor	137
16.6	Annex 6: Lab-Tests Results	138
	▪ 6.1 Tracking Log	139
	▪ 6.2 Excerpts of Sampling & Testing	173
16.7	Annex 7: Mobilization Tracking Log	175
16.8	Annex 8: Non-Conformance Reports Tracking Log	178

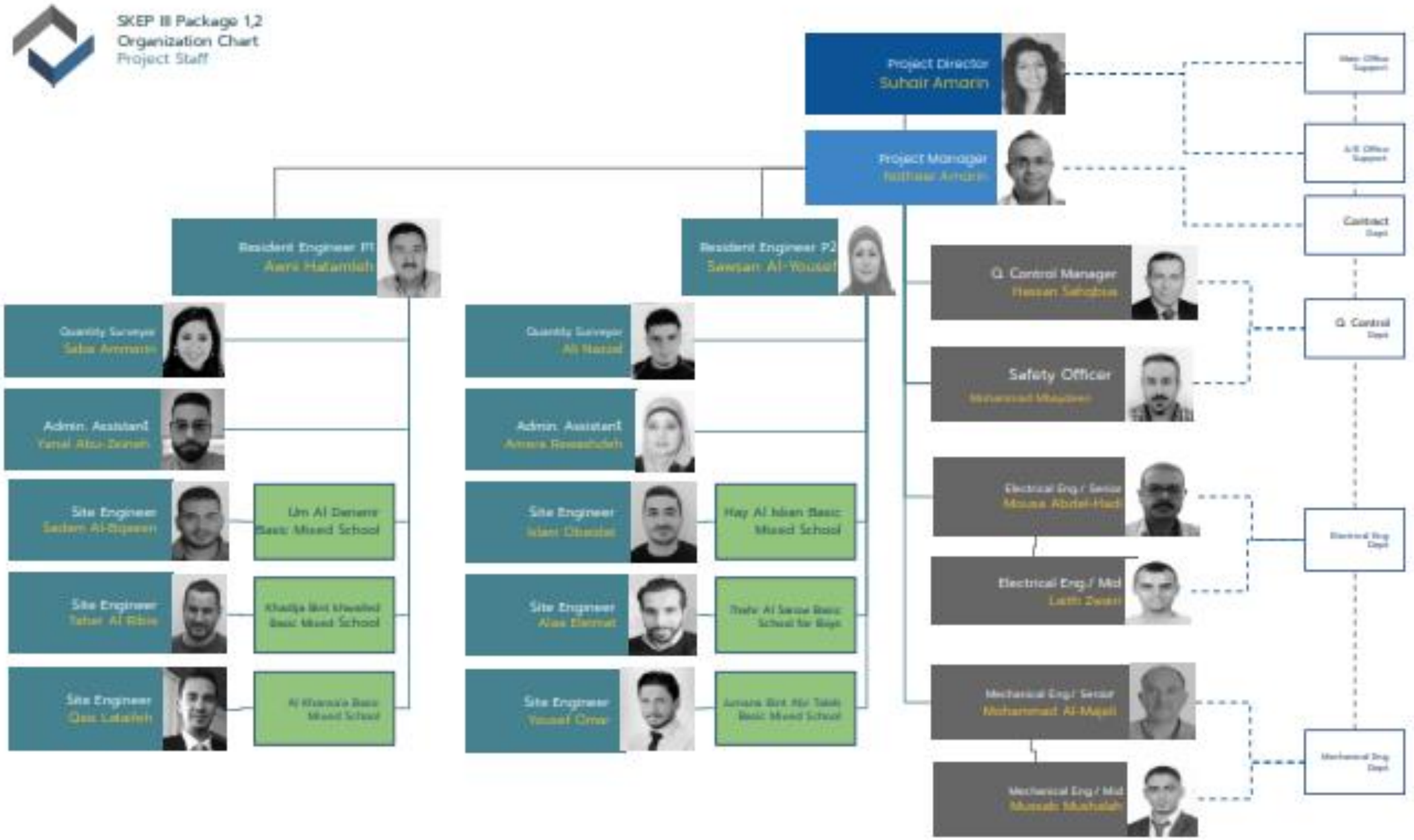
16.9	Annex 9: Materials Submittals	180
	▪ 9.1 Architectural Submittals	181
	▪ 9.2 Electrical Submittals	185
	▪ 9.3 Mechanical Submittals	189
	▪ Summary of Submitted Materials	197
16.10	Annex 10: Obstacles Log (Site Obstacles)	198
17	List of Tables & Figures	200
	▪ Tables	201
	▪ Figures	202

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



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	103 Days out of 450 = 22.8% 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 %	15.87 % (average for 3 schools)
6.	Guarantees	10 % Performance Guarantee= **831,498.3735 JOD**

(Table 1. Main Progress Information)

Summary of Activities

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

Hay Al Iskan Basic Mixed School- Jerash

Schools for Knowledge Economy Project SKEP III

Monthly work completed

Consultant	Wahib Medanat Consultant Engineers	**Rep No.**			
Site Name	**Hay Al Iskan Basic mixed - Jerash**	**Date**	**28**	**/ 01 /**	**2021**
Package	**Package 2**				
Contractor	**Dijlah Est. Construction Co.**				
Tender No.	**10/2019/USAID/SKEP/3/2**				

Details of completed and in progress works — Month: January — Year: 2021

Item No.	Item Description	Qty	Unit	Unit Price in BOQ	Total value	Total value in BOQ	Percentage completed from the whole item	Percentage completed from the whole School	Percentage Schedualed	Notes
1.1a	Provide complete prefabricated temporary site offices for the Enginee	80	m^2	70	5600	5600	100.00%	0.20%	100.00%	
1.1b	Provide furniture and equipment to the site offices	1	L.S	20000	20000	20000	100.00%	0.73%	100.00%	
1.1c	Provide all services to site offices	4	month	666.7	2666.67	11333.333	23.53%	0.10%	100.00%	
1.1d	Provide steel fence of 2 m high around construction site	352	LM	35	12320	14000	88.00%	0.45%	100.00%	
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.	1000	2000	2000	100.00%	0.07%	100.00%	
2.2.1a	General Excavation (Common Excavation) for building and external works	8831	m^3	5	44155	42000	105.13%	1.61%	100.00%	
2.2.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	3353	m^3	3	10059	24300	41.40%	0.37%	75.00%	
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	143.6	m^3	70	10052	19600	51.29%	0.37%	100.00%	
3.2.1b	Blinding for boundary walls,, sewage collection tank and site works.	32.052	m^3	70	2243.64	11200	20.03%	0.08%	50.00%	
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	710.15	m^3	110	78116.9	94600	82.58%	2.85%	100.00%	

3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (uPVC dia 10 cm) staggred as per drawings	481.8	m^3	75	36135	88500	40.83%	1.32%	50.00%	
3.2.4a	Reinforced concrete grade 35, of 35N/mm2 for walls and columns under slab on grade	220	m^3	70	15400	28000	55.00%	0.56%	100.00%	
3.2.7	Extra over for structural fairface concrete finish for basement walls , watertank, sewage collecting tank walls and wherever required.	220	m^2	70	15400	28000	55.00%	0.56%	50.00%	
3.2.9	Supply and apply cyclopean concrete, consist of concrete with compressive strength 20N/mm2	406	m^3	50	20300	2900	700.00%	0.74%	100.00%	
3.5.1a	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	79.72	ton	500	39860	292500	13.63%	1.45%	22.00%	
3.5.1b	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for boundary walls.	41	ton	500	20500	62500	32.80%	0.75%	50.00%	
3.5.1c	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for water tank	14	ton	500	7000	10000	70.00%	0.26%	50.00%	
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	m^2	3	10500	16140	65.06%	0.38%	100.00%	
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	1000	m^2	3	3000	12765	23.50%	0.11%	50.00%	

Schools for Knowledge Economy Project SKEP III

Monthly work completed

Consultant	Wahib Medanat Consultant Engineers	**Rep No.**			
Site Name	**Thahr Al Sarow Basic Boys - Jerash**	**Date**	**28**	**/ 01 /**	**2021**
Package	**Package 2**				
Contractor	**Dijlah Est. Construction Co.**				
Tender No.	**10/2019/USAID/SKEP/3/2**				

Details of completed and in progress works — Month: January — Year: 2021

Item No.	Item Description	Qty	Unit	Unit Price in BOQ	Total value	Total value in BOQ	Percentage completed from the whole item	Percentage completed from the whole School	Percentage Schedualed	Notes
1.1a	Provide complete prefabricated temporary site offices for the Enginee	80	m^2	70	5600	5600	100.00%	0.24%	100.00%	
1.1b	Provide furniture and equipment to the site offices	1	L.S	20000	20000	20000	100.00%	0.84%	100.00%	
1.1c	Provide all services to site offices	4	month	666.7	2666.67	11333.333	23.53%	0.11%	100.00%	
1.1d	Provide steel fence of 2 m high around construction site	317	LM	35	11095	11550	96.06%	0.47%	100.00%	
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.	1000	2000	2000	100.00%	0.08%	100.00%	
2.2.1a	General Excavation (Common Excavation) for building and external works	1467	m^3	5	7335	12000	61.13%	0.31%	100.00%	
2.2.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	1704	m^3	3	5112	15090	33.88%	0.21%	75.00%	
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	94.5	m^3	55	5197.5	10175	51.08%	0.22%	100.00%	
3.2.1b	Blinding for boundary walls,, sewage collection tank and site works.	31.43	m^3	55	1728.65	7425	23.28%	0.07%	50.00%	
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	702.97	m^3	110	77326.7	89100	86.79%	3.25%	100.00%	

3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (uPVC dia 10 cm) staggred as per drawings	358.65	m^3	85	30485.3	90100	33.83%	1.28%	50.00%	
3.2.4a	Reinforced concrete grade 35, of 35N/mm2 for walls and columns under slab on grade	96	m^3	80	7680	12800	60.00%	0.32%	100.00%	
3.5.1a	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	73.54	ton	500	36770	262500	14.01%	1.54%	22.00%	
3.5.1b	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for boundary walls.	46.7	ton	500	23350	67500	34.59%	0.98%	50.00%	
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	3	6000	10500	57.14%	0.25%	100.00%	
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	660	m^2	3	1980	11010	17.98%	0.08%	50.00%	

Schools for Knowledge Economy Project SKEP III

Monthly work completed

Consultant	Wahib Medanat Consultant Engineers	**Rep No.**			
Site Name	**Jumana Bint Abi Taleb Basic Mixed - Marka**	**Date**	**28**	**/ 01 /**	**2021**
Package	**Package 2**				
Contractor	**Dijlah Est. Construction Co.**				
Tender No.	**10/2019/USAID/SKEP/3/2**				

Details of completed and in progress works — Month: January — Year: 2021

Item No.	Item Description	Qty	Unit	Unit Price in BOQ	Total value	Total value in BOQ	Percentage completed from the whole item	Percentage completed from the whole School	Percentage Schedualed	Notes
1.1a	Provide complete prefabricated temporary site offices for the Enginee	120	m^2	70	8400	8400	100.00%	0.28%	100.00%	
1.1b	Provide furniture and equipment to the site offices	1	L.S	20000	20000	20000	100.00%	0.67%	100.00%	
1.1c	Provide all services to site offices	4	month	666.7	2666.67	11333.333	23.53%	0.09%	100.00%	
1.1d	Provide steel fence of 2 m high around construction site	514.5	LM	35	18007.5	13650	131.92%	0.60%	100.00%	
1.2	Supply and install steel sign boards of shape and design as indicated in the technical specifications	2	No.	1000	2000	2000	100.00%	0.07%	100.00%	
2.1.1	Demolish and remove away a. Existing Concrete slabs b. Existing boundary wall c. Existing Fence	0.7	LS	15000	10500	15000	70.00%	0.35%	100.00%	
2.2.1a	General Excavation (Common Excavation) for building and external works	25108	m^3	5	125541	121500	103.33%	4.20%	100.00%	
2.2.1b	Excavation for footing, foundation, tie beams for school building, guard house, canteen, boundary wall, sewage collecting tank, and wherever required.	2033.2	m^3	3	6099.46	29700	20.54%	0.20%	75.00%	
3.2.1a	Blinding for foundations, footings, ground beams , tie beams for school building, guard house, canteen and wherever required	161.46	m^3	50	8073	15000	53.82%	0.27%	100.00%	

3.2.1b	Blinding for boundary walls,, sewage collection tank and site works.	54.585	m^3	50	2729.25	7000	38.99%	0.09%	50.00%	
3.2.3a	Reinforced concrete grade 30 for foundations, footings, grade beams for school building, guard house, canteen and wherever required	1187.8	m^3	110	130659	152900	85.45%	4.37%	100.00%	
3.2.3c	Reinforced concrete grade 30 for boundary walls including PVC water stops (250mm) and weep holes (uPVC dia 10 cm) staggred as per drawings	495	m^3	110	54450	74800	72.79%	1.82%	50.00%	
3.2.10	Supply and apply cyclopean concrete, consist of concrete with compressive strength 20N/mm2	78	m^3	50	3900	7250	53.79%	0.14%	100.00%	
3.5.1a	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for school building, guard house, canteen and wherever required.	94	ton	500	47000	337500	13.93%	1.57%	22.00%	
3.5.1b	Supply, cut to size, fabriacte, hoist and install deformed high yield steel bar reinforcement for boundary walls.	45	ton	500	22500	40000	56.25%	0.75%	50.00%	
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	m^2	3	7500	18150	41.32%	0.25%	100.00%	
7.2.1b	Supply and apply three perpendicular coats cold fluid applied damp proofing for boundary walls	700	m^2	3	2100	9420	22.29%	0.07%	50.00%	

Meetings and Site Visits Logs

Coordination and Progress Meetings

Coordination & Progress Meetings				
No.	Date	Location	Parties	Agenda
1	04/01/2021	Wahib Medanat Consultant Engineers Office	▪ MPWH ▪ USAID ▪ TRIGON ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr. ▪ Derar Saraireh & Contr.	**Pre- Construction Conference** ▪ Main points to be addressed by the Employer (MPWH) ▪ USAID CMTO address the Contractors USAID address to Contractors USAID points of emphasis. ▪ Project Description ▪ SKEP III Web Site ▪ Schedule Issues ▪ Quality Assurance/Non-Conformances. ▪ Contractual issues ▪ Health & Safety ▪ Reporting/Communications ▪ Project Completion and Handover ▪ Defects Liability Period
2	06/01/2021	Thahr Al Sarow Basic School for Boys- Jerash	▪ TRIGON ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr.	▪ Discussing Health and Safety issues at the construction site. ▪ Discussing ways to Speed up work at the boundary walls. ▪ Reviewing productivity and quality of work.
3	24/01/2021	Jumana Bint Abi Taleb Basic Mixed School- Amman	▪ MPWH ▪ USAID ▪ TRIGON ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr.	**January Monthly Meeting** ▪ Health, Safety and Environment ▪ Mobilization ▪ Progress in Boundary Walls Review ▪ Progress Review in general

			▪ Derar Saraireh Contr.	▪ Construction Schedule and Update- Using the construction schedule, review and projection/ The Contractor. ▪ Quality Control ▪ Status of Submittals ▪ Off-Site Fabrication and Materials Delivery

(Table 2. Coordination & Progress Meetings)

Site Visits

Site Visits				
No.	Date	Location	Parties	Agenda
1	06/01/2021	Hai Al Iskan Basic Mixed School- Jerash	▪ CMTO ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr.	▪ Discussing Health and Safety issues at the construction site. ▪ Inspecting the work quality and checking for obstacles (no obstacles were found). ▪ Requesting the contractor to add more man-power. ▪ Discussing ways to Speed up work at the boundary walls.
2	06/01/2021	Thahr Al Sarow Basic School for Boys- Jerash	▪ CMTO ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr.	▪ Discussing Health and Safety issues at the construction site. ▪ Discussing ways to Speed up work at the boundary walls.
3	13/01/2021	Jumana Bint Abi Taleb Basic Mixed School- Amman	▪ MPWH	▪ Control and Inspection Department.

4	24/01/2021	Jumana Bint Abi Taleb Basic Mixed School-Amman	▪ MPWH ▪ USAID ▪ TRIGON ▪ Wahib Medanat ▪ Dijlah Est. Const. Contr.	▪ Discussing Health and Safety issues at the construction site. ▪ Inspecting the work quality. ▪ Discussing ways to Speed up work at the boundary walls.
Regular Monthly Sits Visits (Home Office Support)				
5	14/01/2021	Thahr Al Sarow Basic School for Boys- Jerash	▪ Engineers Rep	▪ Follow up the execution of the retaining and boundary walls. ▪ Discussing the replacement of the single size backfill by selected materials backfill for technical issues in the unconfined areas. ▪ Discussing the quantities resulted from the relocation of the water tank in order to submit them to MPWH.
6	14/01/2021	Hai Al Iskan Basic Mixed School- Jerash	▪ Engineers Rep	▪ Follow up the execution of the retaining and boundary walls. ▪ Discussing the quantity and cost of the executed shoring system since it is a provisional sum. The said quantity and sum are sent to the Employer in order to obtain their approval. ▪ Discussing the issue of the proposed 10 m street, which will be executed by deducting 5 m along the south-west side of the construction land and other 5 m along will be deducted from the neighbor land.

7	30/01/2021	Jumana Bint Abi Taleb Basic Mixed School- Amman	▪ Engineers Rep	▪ Follow up the execution of the retaining and boundary walls. ▪ Discussing the method of statement and how it should be applied in the site. ▪ Discussing connecting the rainwater tank with the sewage system

(Table 3. Site Visits)

Correspondences Log

Official Letters		
Number of Incoming Letters	Number of Outgoing Letters	Notes
75	79	

(Table 4. Official Letters)

Submittals Logs

Shop Drawing Log

Shop-Drawings				
Submittal	Arch.	Civil	Electrical	Mechanical
	No.	No.	No	No.
Total	1	118	10	13
Submitted This Month	1	21	6	11
Approved	-	3	-	-
Approved as Noted	-	15	3	-
Resubmit	-	-	3	-
Reject	-	2	-	11
Under Revision	1	1	-	-
Remaining	-	-	-	-

(Table 5. Submittals Log- Shop Drawings)

Materials Log

Material Submittals				
Submittal	Arch.	Civil	Electrical	Mechanical
	No.	No.	No	No.
Total	24	25	32	30
Submitted this Month	9	-	9	3
Approved	5	-	1	-
Approved as Noted	2	-	1	1
Resubmit	-	-	6	2
Reject	2	-	1	-
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*
22	Thahr Al Sarow Basic School Boys- Jerash	91%	9%
18	Jumana Bint Abi Taleb Basic Mixed School- Amman	94%	6%
21	Hay Al Iskan Basic Mixed School- Jerash	90%	10%

(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	16.80%	15.04%	-1.76%
2	Jumana Bint Abi Taleb Basic Mixed School - Amman	450 Days	103 Days	16.80%	17.40%	0.6%
3	Hay Al Iskan Basic Mixed School - Jerash	450 Days	103 Days	16.80%	15.40%	-1.4%

(Table 10. Progress Table)

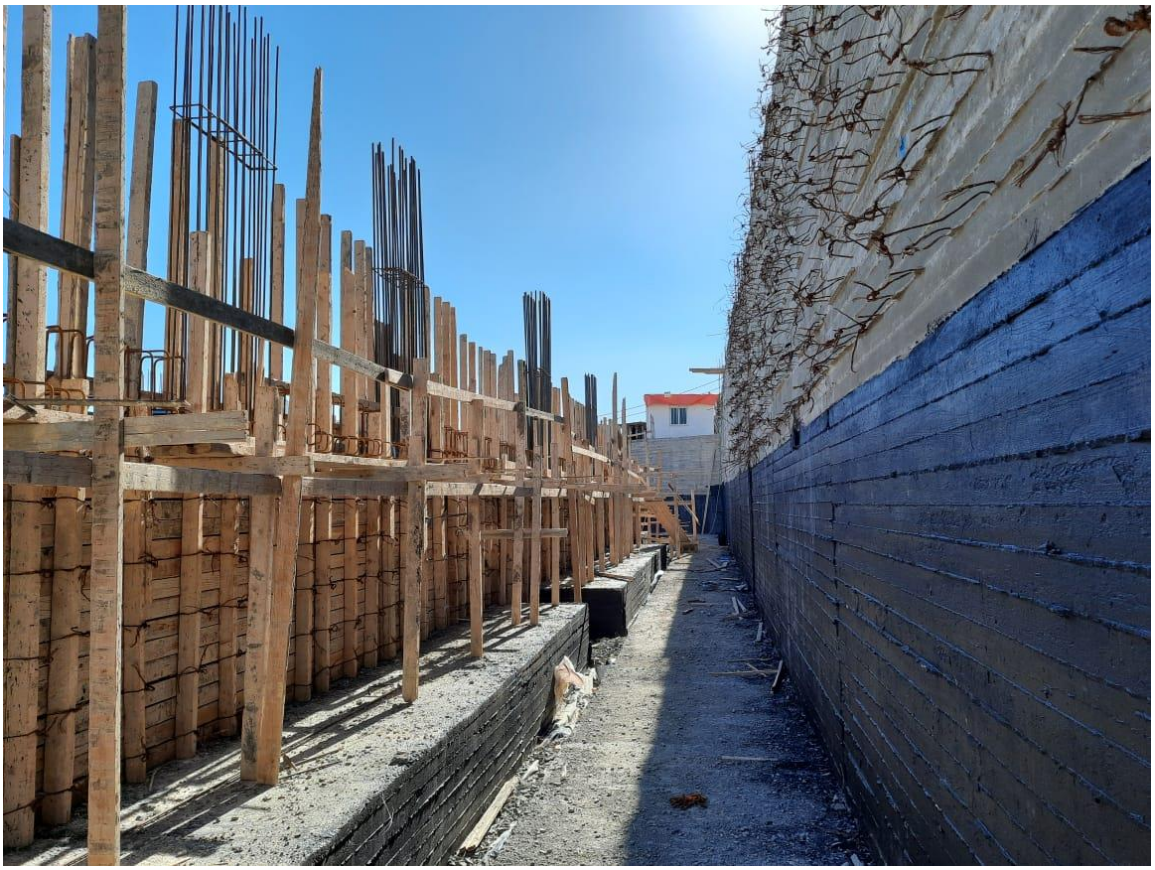
Selected Photos

- 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

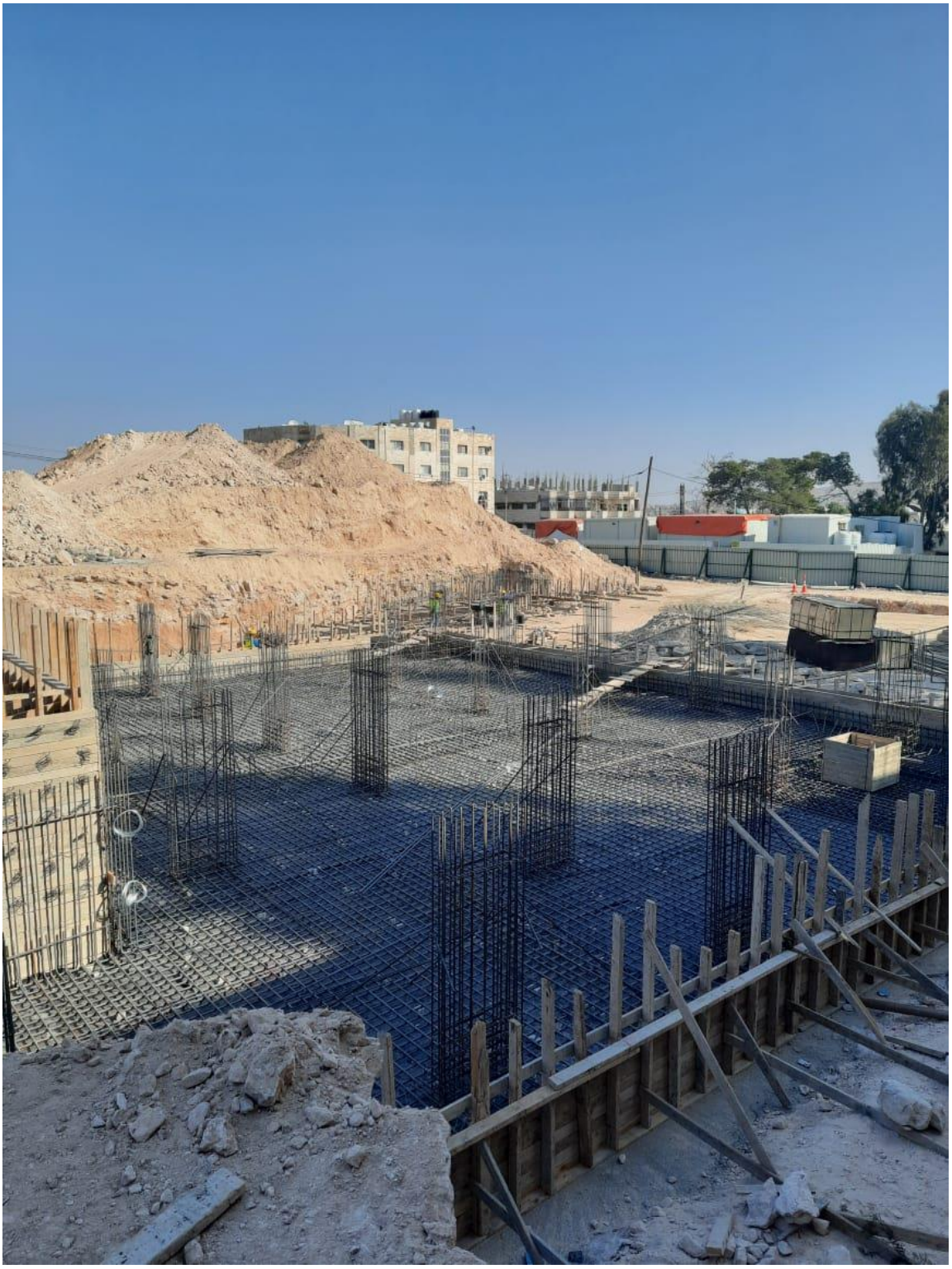
04/01/2021

16/01/2021



23/01/2021

31/01/2021



Jumana Bint Abi Taleb Basic Mixed School- Amman

02/01/2021

18/01/2021

23/01/2021

31/01/2021

Hay Al Iskan Basic Mixed School- Jerash

04/01/2021

23/01/2021

31/01/2021

13/01/2021

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.

Hay Al Iskan Basic Mixed School-Jerash:

A (10 m) regulatory street is planned to be executed by deduction 5 m along the south western 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. MPWH is addressed in this regard/ 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 -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 January 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	0		0	0
Shovel Loader		1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		1	1
Dump Truck		0	1	1	1	1	1		1	1	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	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	1		1	1
Total		3	3	4	4	4	4		4	4	3	3	3	3		3	3	3	3	3	3		3	3	3	3	3	3		3	3

(Table 11-1. 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 January 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	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	0		0	0
Loader		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0
Total		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0

(Table 11-2. 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 January 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		0	0	0	0	0	0		0	1	0	0	1	0		0	1	0	1	0	0		1	1	1	1	1	1		0	1
Jack-Hammer		0	0	0	0	0	0		0	1	0	0	0	0		0	0	0	0	0	0		1	1	1	1	1	1		0	0
Dump Truck		0	0	0	0	0	0		0	0	0	0	1	0		0	1	0	0	0	0		2	4	4	4	4	4		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	0		0	0
Concrete Mixer		4	0	0	13	0	0		18	0	0	3	5	0		0	0	0	3	0	0		0	11	0	0	8	7		1	0
Concrete Pump		1	0	0	1	0	0		1	0	0	1	1	0		0	0	0	1	0	0		0	1	0	0	1	1		1	0
Total		5	0	0	14	0	0		19	2	0	4	8	0		0	2	0	5	0	0		4	18	6	6	15	14		2	1

(Table 11-3. 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 January 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	1	1	0	1		1	1	0	0	1	1		1	1	0	0	1	1		0	1	0	1	1	1		0	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	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	1		1	1
Electrical Engineer		0	0	1	0	0	1		0	1	0	0	1	1		1	0	0	1	0	1		0	0	1	0	0	1		0	1
Mechanical Engineer		1	1	1	0	1	0		0	0	1	0	1	0		1	1	1	0	0	0		0	1	0	0	0	1		1	0
Surveyor		0	0	0	1	0	1		0	0	1	0	0	0		0	1	0	0	1	0		0	0	0	0	0	0		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	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	1		1	1
Labor		17	17	17	17	17	17		17	17	17	17	17	17		17	17	17	17	17	17		17	17	17	17	17	17		11	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	1		1	1
Total		24	23	25	24	23	25		23	24	24	22	25	24		25	25	23	23	24	24		22	23	23	23	23	25		17	24

(Table 12-1. 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 January 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	1		0	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	1		0	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	1		0	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	1		0	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	1		0	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	1		0	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	1		0	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	1		0	1
Labor		20	19	20	17	18	20		20	20	20	19	22	18		20	20	21	19	20	18		17	20	20	19	21	22		0	20
Total		28	27	28	25	26	28		28	28	28	27	30	26		28	28	29	27	28	26		25	28	28	27	29	20		0	28

(Table 12-2. 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 January 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	1	0	0	1	0		0	0	1	1	0	0		0	0	1	1	0	0		1	0	1	0	0	0		1	0
Site Engineer		0	1	1	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	1		1	1
Electrical Engineer		1	1	0	1	1	0		1	0	1	1	0	0		0	1	1	0	1	0		1	1	0	1	1	0		0	0
Mechanical Engineer		0	0	0	1	0	1		1	1	0	1	0	1		0	0	0	1	1	1		1	0	1	1	1	0		0	0
Surveyor		0	0	0	0	0	0		0	0	0	0	0	1		0	0	0	1	0	0		0	0	0	0	0	0		0	0
Safety Officer		1	1	1	2	2	1		1	1	1	1	1	2		1	1	1	2	1	1		2	1	1	1	1	1		2	2
Forman		1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		1	1
Driver		0	0	0	14	0	0		19	2	0	4	7	0		0	2	0	4	0	0		0	4	6	6	16	14		2	1
Labor		24	23	30	24	24	13		24	25	27	27	27	27		27	27	27	27	27	27		27	27	27	27	27	27		27	27
Fresh Graduate Engineer		1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1		0	1	1	1	1	1		1	1
Total		29	30	35	46	32	19		50	33	34	39	39	35		32	35	34	40	34	33		35	37	40	40	51	46		36	34

(Table 12-3. 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	Thursday 28 January 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%		29.11%	20.20%		
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 13-1. 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	Thursday	28	January	2021			

Date	Monthly Elapsed Time%	Monthly Scheduled %	Monthly Actual%	Comulative Elapsed Time%	Cumulative Scheduled %	Cumulative Actual %	Notes
31/10/2020	2.44%	2.50%	0.98%	2.44%	2.50%	0.98%	
30/11/2020	6.67%	4.1%	2.05%	9.11%	6.60%	3.03%	
31/12/2020	6.89%	3.9%	3.66%	16.00%	10.50%	6.69%	
31/01/2021	6.89%	6.3%	10.71%	22.89%	16.80%	17.40%	
28/02/2021	6.22%	3.4%		29.11%	20.20%		
31/03/2021	6.89%	4.6%		36.00%	24.80%		
30/04/2021	6.67%	4.8%		42.67%	29.60%		
31/05/2021	6.89%	6.2%		49.56%	35.80%		
30/06/2021	6.67%	8.1%		56.22%	43.90%		
31/07/2021	6.89%	9.0%		63.11%	52.90%		
31/08/2021	6.89%	9.1%		70.00%	62.00%		
30/09/2021	6.67%	9.5%		76.67%	71.50%		
31/10/2021	6.89%	7.8%		83.56%	79.30%		
30/11/2021	6.67%	9.7%		90.22%	89.00%		
31/12/2021	6.89%	8.9%		97.11%	97.90%		
31/01/2022	2.89%	2.1%		100.00%	100.00%		

(Table 13-2. 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	Thursday	28	January	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%		29.11%	20.20%		
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 13-3. Percentage of Completion- Hay Al Iskan Basic Mixed School)

1.3 Percentage of Completion

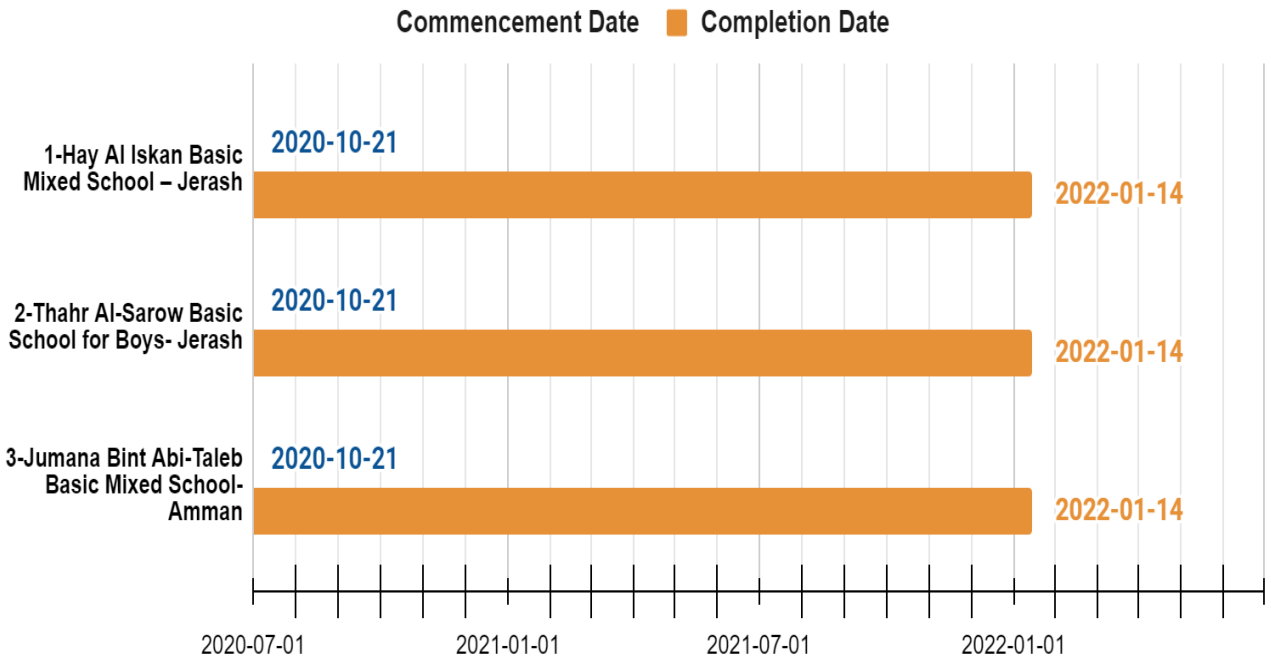
Wahib Medanat Consultant Engineers

Index

Time and Progress

1. Time Sheet 51
2. Cumulative Progress 52
2.1. Package Average Cumulative Progress 52
2.2. Hay Al Iskan Basic Mixed School – Jerash - Average Cumulative Progress 53
2.3. Thahr Al-Sarow Basic School for Boys- Jerash - Average Cumulative Progress 54
2.4. Jumana Bint Abi-Taleb Basic Mixed School- Amman - Average Cumulative Progress 55
3. Comments on the Progress 56
3.1. Average for the three schools: 56
3.2. Hay Al Iskan School: 56
3.3. Thahr Al Sarow School: 56
3.4. Jumana School: 56

1. Time Sheet	2021-01-31						
Site Name	Contract Duration Calendar Day (CD)	Commencement Date	Completion Date	Approved Extension Time	Completion Date with Extension Time	Elapsed Time (CD)	Elapsed Time %
1-Hay Al Iskan Basic Mixed School – Jerash	450	2020-10-21	2022-01-14	0	2022-01-14	102	0.23%
2-Thahr Al-Sarow Basic School for Boys- Jerash	450	2020-10-21	2022-01-14	0	2022-01-14	102	0.23%
3-Jumana Bint Abi-Taleb Basic Mixed School- Amman	450	2020-10-21	2022-01-14	0	2022-01-14	102	0.23%

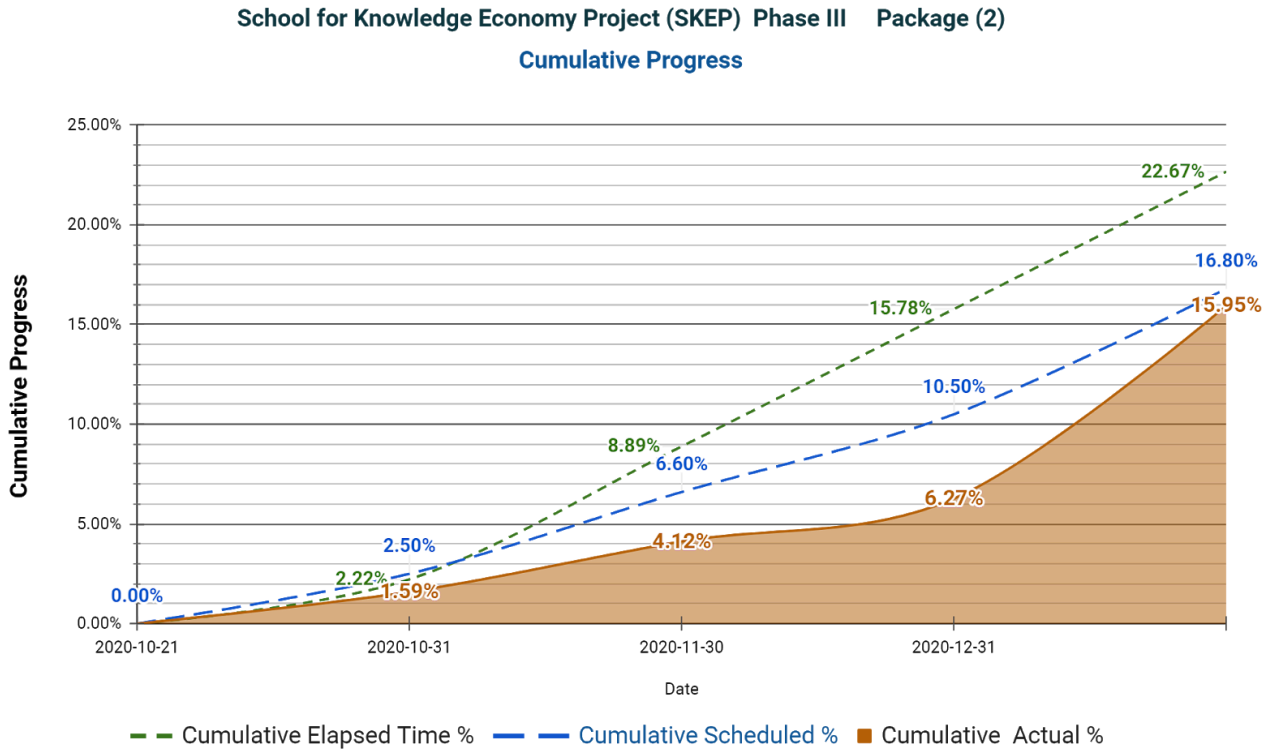


(Figure 1: Percentage of Completion)

2. Cumulative Progress

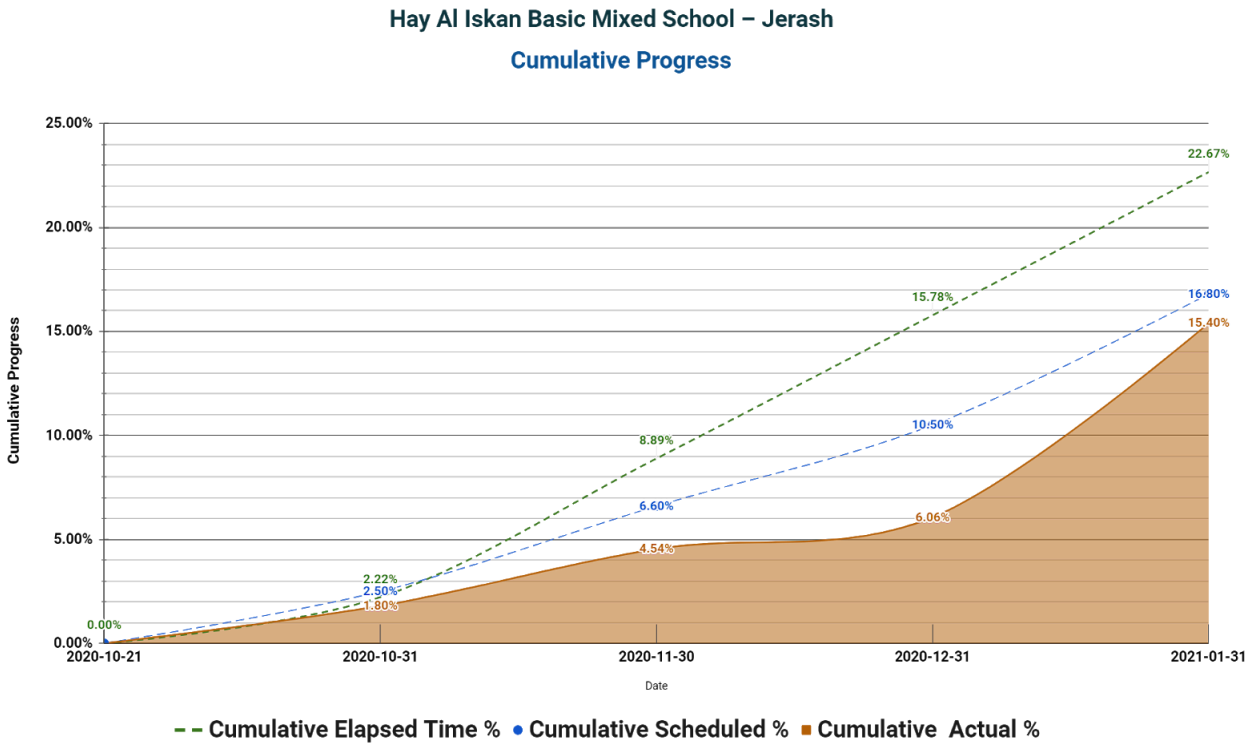
2.1. Package Average Cumulative Progress

Site Name	School for Knowledge Economy Project (SKEP) Phase III		
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%



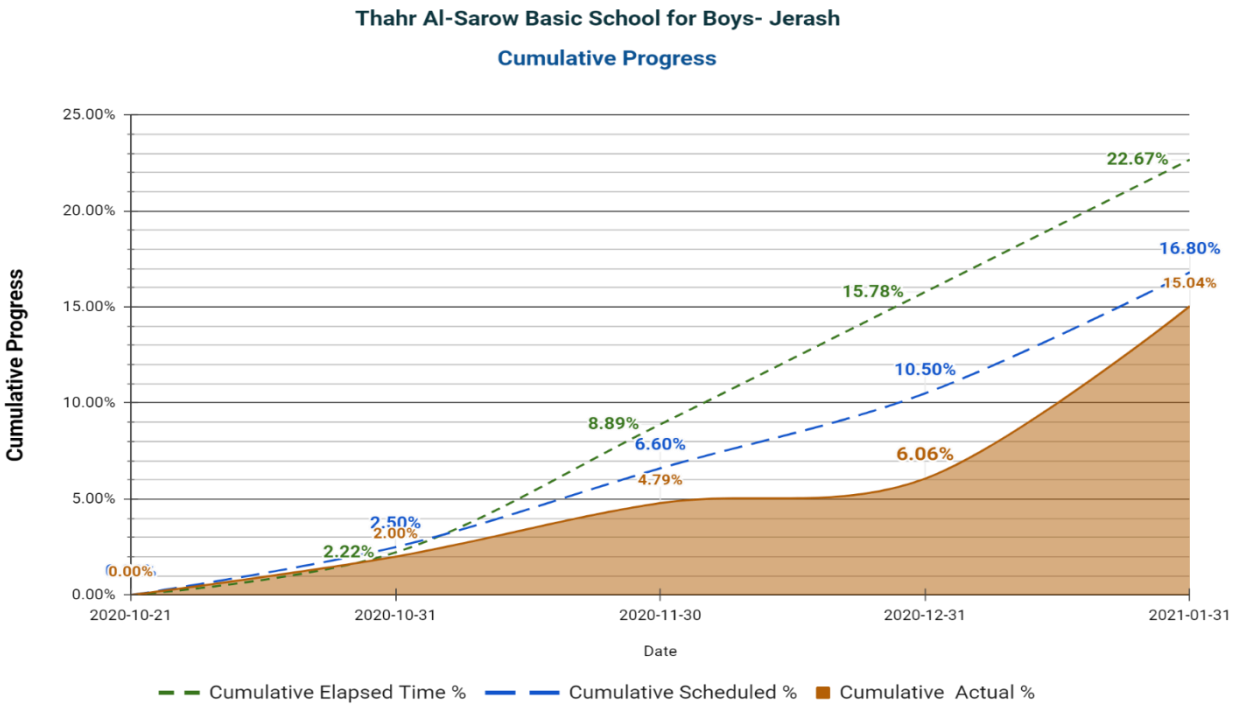
2.2 Hay Al Iskan Basic Mixed School – Jerash - Average Cumulative Progress

Site Name	1-Hay Al Iskan Basic Mixed School – Jerash		
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%



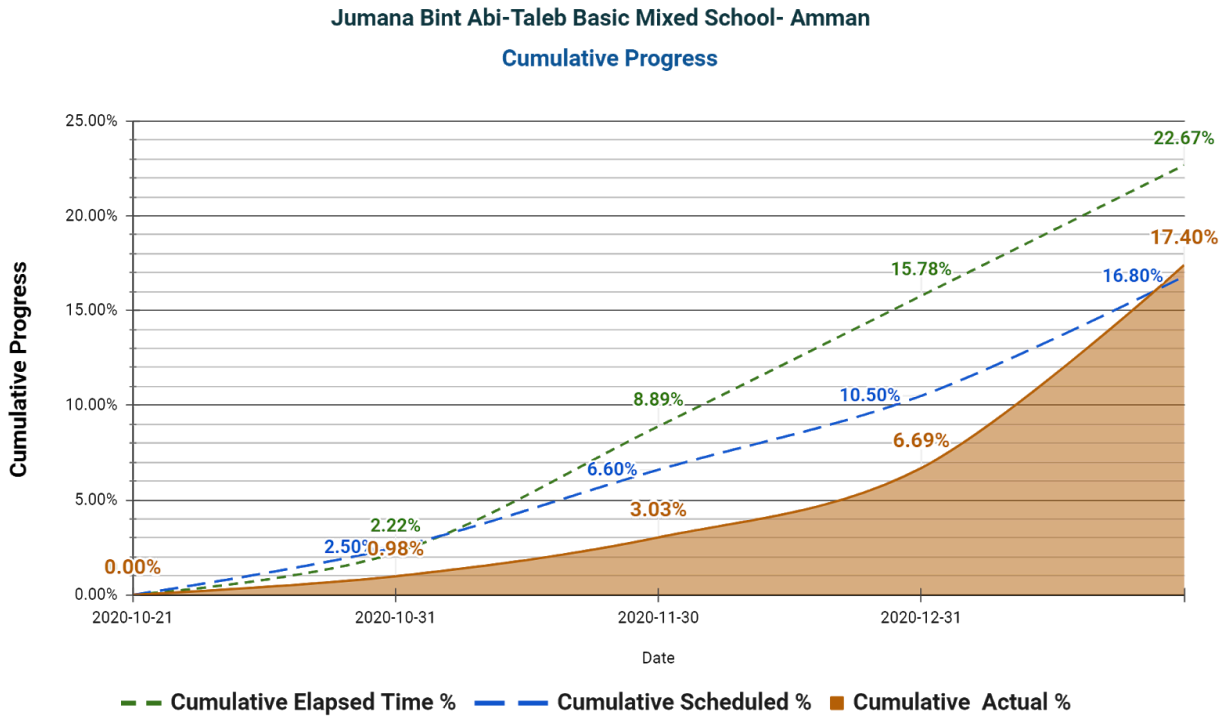
2.3 Thahr Al-Sarow Basic School for Boys- Jerash - Average Cumulative Progress

Site Name	2-Thahr Al-Sarow Basic School for Boys- Jerash		
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%



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

Site Name	3-Jumana Bint Abi-Taleb Basic Mixed School-Amman		
Date	Cumulative Elapsed Time %	Cumulative Scheduled %	Cumulative Actual %
2020-10-21	0.00%	0.00%	0.00%
2020-10-31	2.22%	2.50%	0.98%
2020-11-30	8.89%	6.60%	3.03%
2020-12-31	15.78%	10.50%	6.69%
2021-01-31	22.67%	16.80%	17.40%



3. Engineer comments on work progress:

3.1. Average for the three schools:

The actual progress for the three schools jumped from 6.27% in December to 15.95% in January close to the scheduled progress of 16.80%.

3.2. Hay Al Iskan Basic Mixed School:

The actual progress in January reached 15.40% close to the scheduled progress of 16.80% after a progress 6.06% in last December.

3.3. Thahr Al Sarow Basic school for Boys School:

The actual progress in January reached 15.04% close to the scheduled progress of 16.80% after a progress of 6.06% in last December.

3.4. Jumana Bint Abi Taleb Basic Mixed School:

The actual progress in January was 17.40% ahead of scheduled progress by 0.60% after a progress of 6.06% in last December.

In accordance to the above, the Contractor managed to overcome the delay at the end of last December to become close to the scheduled progress in January.

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% Bounday wall 100% Building	50% Boundary Wall 100% Building	-	-	10%	-	15.04%	
2.	Jumana Bint Abi Taleb Basic Mixed School	Amman	90%	100.00%	100%	23/1/2021	-	0%	-	17.40%	
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	15.40%	

(Table 14. Log of Activities)

Annex -1-

1.5 Cash-Flow
Charts

1.5 Cash-Flow Chart

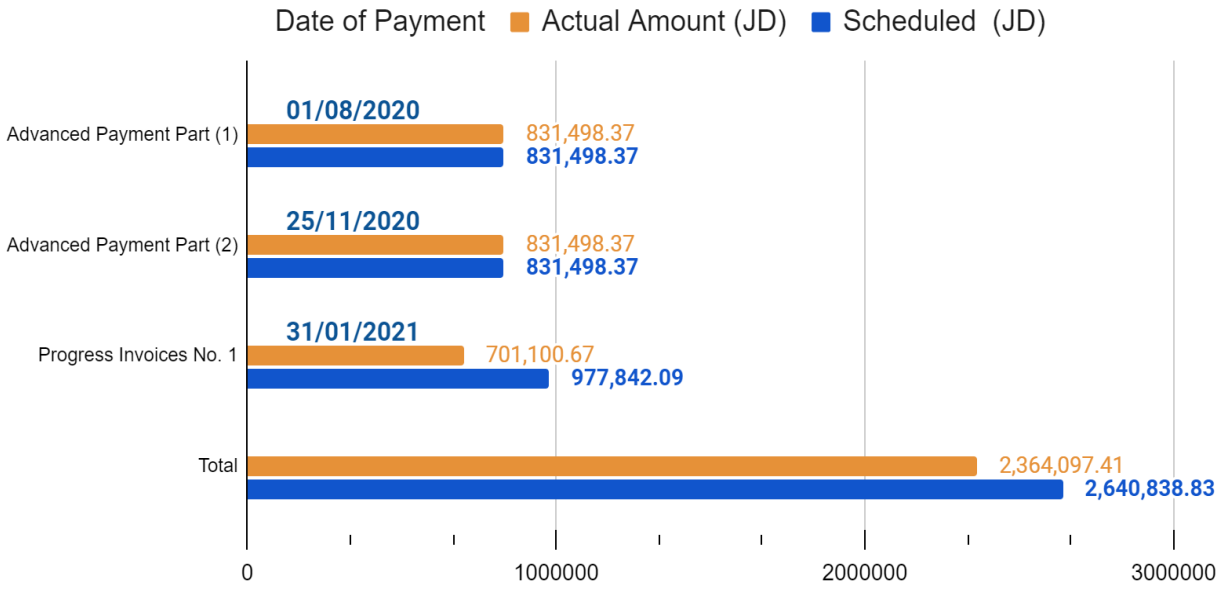
Wahib Medanat Consultant Engineers

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		2,364,097.41	2,640,838.83

(Table 15. Cash-Flow)

Package 2- Cash Flow



(Figure 10. Cash-Flow Chart)

Annex -2-

Correspondence Logs

2.1 Incoming Letters

2.2 Outgoing 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 Isuued 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
						Answe-red	*Pendi-ng*			*Received Letter*	*Issued Letter*	
1	530103/220/24/24/1	01/01/2021	02/01/2021	Royal Scientific Society	Test report	X		Eng. Sawsan Al-Yousef	File	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-1.pdf	File	
2	USAID/3/2019/06	03/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Project Update Schedule as of 31/12/2020	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-10.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-158.pdf	
3	530103/220/28/24/335	04/01/2021	04/01/2021	Royal Scientific Society	Test Report/polyethelene Sheet Test Report	X		Eng. Sawsan Al-Yousef Eng. Alaa Alimat	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-34.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-149.pdf	
4	USAID/3/2019/04	03/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Drain of Portable Water Tanks	X		Eng. Mohammad Almajale	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-8.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-117.pdf	
5	USAID/3/2019/05	03/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Mockup Room	X		Eng. Sawsan Al-Yousef Eng. Natheer Amareen	MPWH	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-8.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-119.pdf	
6	USAID/3/2019/544	30/12/2020	03/01/2021	Dijlah Establishment Constr. Contr.	Reluctance of Jerash Manicipality	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-5.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-88.pdf	
7	USAID/3/2019/03	02/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Submittal for CCTV System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-7.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\outgoing\E17-Rev1.pdf	
8	USAID/3/2019/01	02/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Aluminum Windows and Curtain Walls-3	X		Eng. Hasan Shaqbua Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-6.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned- Submittal\A21-2.pdf	
9	530105/220/28/24/388	05/01/2021	05/01/2021	Royal Scientific Society	Test report	X		Eng. Sawsan Al-Yousef Eng. Islam Obaidat	File	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-39.pdf	File	
10	USAID/3/2019/10	05/01/2021	05/01/2021	Dijlah Establishment Constr. Contr.	Material Submittal Structure Cabling System & Switches	X		Eng. Musa Abdelhadi Eng. Liath Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-47.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\E18.pdf	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answe-red	*Pendi-ng*			*Received Letter*	*Issued Letter*	
11	USAID/3/2019/09	04/01/2021	05/01/2021	Dijlah Establishment Constr. Contr.	Tax Exemption/ Bills of Material	X		Eng. Sawsan Al-Yousef	USAID	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-46.pdf	..\..\2021-368-2-3-230.docx	
12	USAID/3/2019/08	04/01/2021	05/01/2021	Dijlah Establishment Constr. Contr.	Material Submittal Ceramic Tiles	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-45.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A25-1.pdf	
13	USAID/3/2019/14	06/01/2021	06/01/2021	Dijlah Establishment Constr. Contr.	Submittal for Public Address System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-65.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\outgoing\E15-Rev1.pdf	
14	USAID/3/2019/13	06/01/2021	06/01/2021	Dijlah Establishment Constr. Contr.	Submittal for Audio/Video System	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-64.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\outgoing\E16-Rev1.pdf	
15	USAID/3/2019/11	06/01/2021	06/01/2021	Dijlah Establishment Constr. Contr.	Singlle Size Material for the Unconfined Areas	X		Eng. Hasan Shaqbua Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-58.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-1-249.pdf	
16	530103/220/28/24/570	06/01/2021	06/01/2021	Royal Scientific Society	Test Report/polyethelene Membrane	X		Eng. Hasan Shaqbua Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-69.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-99.pdf	
17	USAID/3/2019/12	06/01/2021	07/01/2021	Dijlah Establishment Constr. Contr.	Samples for Elevators	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-71.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned- Submittal\E8-Rev2.pdf	
18	USAID/3/2019/17	09/01/2021	09/01/2021	Dijlah Establishment Constr. Contr.	Monthly Report (December/2020)	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-82.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-223.pdf	
19	USAID/3/2019/20	09/01/2021	09/01/2021	Dijlah Establishment Constr. Contr.	Mechanical Shop Drawing	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-83.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-5.pdf	
20	USAID/3/2019/21	10/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Electrical Shop Drawing for the 3 schools	X		Eng. Musa Abdelhadi Eng. Liath Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-92.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\E10-REV02.pdf	
											..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\E12.pdf	
											..\..\Submittal action forms\Electrical Submittals\Scanned-Submittal\E13.pdf	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
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21	USAID/3/2019/22	10/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Engineer Supervision Overtime	X		Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-93.pdf	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-197.pdf	
									Dijlah Establishment Constr. Contr.		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-198.pdf	
22	USAID/3/2019/23	10/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Re-Test for Polyethylene Sheet 250 Micron	X		Eng. Hasan Shaqbua Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-94.pdf	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-184.pdf	
23	USAID/3/2019/24	10/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Re-Test for Steel Bar 10mm Grade 60	X		Eng. Hasan Shaqbua Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-95.pdf	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-185.pdf	
24	USAID/10/2019/557	10/01/2021	11/01/2021	MPWH	Replacement of Mechanical Engineer/Contractor's Superintendence	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-1-102.pdf	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-199.pdf	
25	(530103)220/28/24/1160	12/01/2021	12/01/2021	Royal Scientific Society	Test Report	X		Eng. Sawsan Al-Yousef Eng. Yousef Omer	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-116.pdf	File	
26	M - 34	16/01/2021	17/01/2021	Dijlah Establishment Constr. Contr.	CPVC Condensate drain pipes	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-156.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-34.pdf	
27	M - 34	16/01/2021	17/01/2021	Dijlah Establishment Constr. Contr.	CPVC Condensate drain pipes	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-157.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-34.pdf	
28	M - 34	16/01/2021	17/01/2021	Dijlah Establishment Constr. Contr.	CPVC Condensate drain pipes	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-158.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-34.pdf	
29	A - 29	17/01/2021	17/01/2021	Dijlah Establishment Constr. Contr.	Steel Reinforcement	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-159.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\A29.pdf	
30	(530103)220/28/24/1468	14/01/2021	17/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-160.pdf	File	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
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31	(530103)220/28/24/1544	17/01/2021	17/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-162.pdf	File	
32	A25-1	09/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Ceramic Tiles	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A25-1.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A25-1.pdf	
					Tiling Dhop-Drawings	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A25-1.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-222.pdf	
33	A28-1	09/01/2021	10/01/2021	Dijlah Establishment Constr. Contr.	Steel Windows Screen	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A28-1.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\incoming\A28-1 (2).pdf	
34	A21-2	02/01/2021	03/01/2021	Dijlah Establishment Constr. Contr.	Aluminum Windows and Curtain Walls	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\A21-2.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned- Submittal\A21-2.pdf	
35	530103/220/28/24/1544	17/01/2021	17/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-162.pdf	File	
36	USAID/3/2019/34	18/01/2021	18/01/2021	Dijlah Establishment Constr. Contr.	Commencement of work (time and Financial Claim)	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-192.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-250.pdf	
37	USAID/3/2019/35	18/01/2021	18/01/2021	Dijlah Establishment Constr. Contr.	Time Extension	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-193.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-253.pdf	
38	USAID/3/2019/36	18/01/2021	18/01/2021	Dijlah Establishment Constr. Contr.	Under Ground Rain Water Tank		X	Eng. Sawsan Al-Yousef		..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-194.pdf		
39	USAID/3/2019/37	18/01/2021	18/01/2021	Dijlah Establishment Constr. Contr.	Comments of Electrical Shop-Drawings for 3 schools	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-195.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-260.pdf	
40	USAID/3/2019/33	18/01/2021	18/01/2021	Dijlah Establishment Constr. Contr.	Mockup Room	X		Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-191.pdf	..\..\2021-368-2-1-244.docx	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
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41	530103/220/28/24/1767	18/01/2021	19/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-202.pdf	..\..\2021-368-2-2-388.docx	
42	530105/220/28/24/1874	20/01/2021	20/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-3-212.pdf	File	
43	USAID/10/2019/1604	19/01/2021	20/01/2021	MPWH	Contractor's Superintendence		X	Eng. Sawsan Al-Yousef		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-1-219.pdf		
44	USAID/10/2019/1724	20/01/2021	20/01/2021	MPWH	Contractor's Superintendence/ Safety Officer	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-1-220.pdf	..\..\2021-368-2-2-386.docx	
45	USAID/10/2019/1725	20/01/2021	20/01/2021	MPWH	Contractor's Superintendence	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-1-221.pdf	..\..\2021-368-2-2-357.docx	
46	USAID/3/2019/41	20/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	Payment No.(1)	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-225.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-337.pdf	
47	USAID/3/2019/40	20/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	Mechanical Works (Meeting)	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-224.pdf	..\..\..\..\..\..\..\Scanned Files\Scanned-368\الكتب الصادرة\Package 2\2021-368-2-2-294.pdf	
48	A25-2	21/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	Colored Plaster	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-226.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned- Submittal\A25-2.pdf	
49	A31	21/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	Steel Door	X		Eng. Batool Yassine	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-227.pdf	..\..\Submittal action forms\Architectural Submittals\Scanned-Submittal\A31.pdf	
50	M35	20/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	PEX Manifold and Fitting	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب الواردة\368\Package 2\2021-2-2-228.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-35.pdf	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answe-red	*Pendi-ng*			*Received Letter*	*Issued Letter*	
51	M23-1	20/01/2021	21/01/2021	Dijlah Establishment Constr. Contr.	Split Unit	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-229.pdf	..\..\Submittal action forms\Mechanical Submittals\Scanned- Submittal\M-23-1.pdf	
52	M-7	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Drainage & Rain Water Systems Site Plan	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-237.pdf	..\..\Submittal action forms\Mechanical Submittals\Document Submital M-7-Hay Al Iskan.docx	
53	M-8	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Document / Drawing Title	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-238.pdf	..\..\Submittal action forms\Mechanical Submittals\Document Submital M-8-Hay Al Iskan.docx	
54	E8-REV3	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Electrical Elevators	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-239.pdf	..\..\Submittal action forms\Electrical Submittals\Scanned- Submittal\E8-REV 3.pdf	
55	42/USAID/3/2019	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Tax Exemption/ Bills of Material	X		Eng. Sawsan Al-Yousef	USAID	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-240.pdf	..\..\2021-368-2-3-370.docx	
56	43/USAID/3/2019	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Drain of Portable Water Tanks	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-241.pdf	..\..\2021-368-2-2-322.docx	
57	44/USAID/3/2019	23/01/2021	23/01/2021	Dijlah Establishment Constr. Contr.	Tilling Shop Drawings	X		Eng. Batool Yassine	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-242.pdf	File	
58	46/USAID/3/2019	24/01/2021	24/01/2021	Dijlah Establishment Constr. Contr.	Reluctance of Jerash Manicipality	X		Eng. Sawsan Al-Yousef	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-262.pdf	..\..\2021-368-2-2-387.docx	
59	M-9	24/01/2021	24/01/2021	Dijlah Establishment Constr. Contr.	Drainage & Sleeves for Tanks (Thaher al-Sarow School and Jumana Bint Abi Taleb School)	X		Eng. Mohammad Almajale Eng. Musab Khalil	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-263.pdf	..\..\Submittal action forms\Mechanical Submittals\Document Submital- M-9-Rev 1 Jumana Bint Abi Taleb.docx	..\..\Submittal action forms\Mechanical Submittals\Document Submital- M-9-Rev 1 Thahr Al Sarow.docx
60	530105/220/28/24/2349	25/01/2021	25/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-274.pdf	File	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answe-red	*Pendi-ng*			*Received Letter*	*Issued Letter*	
61	530105/220/28/24/2350	25/01/2021	25/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-275.pdf	File	
62	E18-REV1	25/01/2021	25/01/2021	Dijlah Establishment Constr. Contr.	Structure Cabling System & Swithes	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-277.pdf	..\..\Submittal action forms\Electrical Submittals\E-18-rev.1.docx	
63	E14-REV1	25/01/2021	25/01/2021	Dijlah Establishment Constr. Contr.	Lighting Fixtures & Lighting Poles	X		Eng. Musa Abdelhadi Eng. Laith Zwairi	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-276.pdf	..\..\Submittal action forms\Electrical Submittals\E14-rev.01.docx	
64	530105/220/28/24/2369	25/01/2021	26/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-281.pdf	File	
65	47/USAID/3/2019	26/01/2021	27/01/2021	Dijlah Establishment Constr. Contr.	Mechanical Inquiries Regarding Mechanical Design Specifications		X	Eng. Mohammad Almajale Eng. Musab Khalil	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-297.pdf	-	
66	M-36	26/01/2021	27/01/2021	Dijlah Establishment Constr. Contr.	Manhole Ring for Sewage and Rain Water		X	Eng. Mohammad Almajale Eng. Musab Khalil	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-300.pdf	-	
67	48/USAID/3/2019	26/01/2021	27/01/2021	Dijlah Establishment Constr. Contr.	إستلام حدود المشروع لمدرسة ظهر السرو / جرش	X		Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-298.pdf	..\..\2021-368-2-1-375.docx	
68	49/USAID/3/2019	26/01/2021	27/01/2021	Dijlah Establishment Constr. Contr.	مشروع مدرسة حي الإسكان الأساسية المختلطة	X		Eng. Sawsan Al-Yousef	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-2-299.pdf	..\..\2021-368-2-1-372.docx	
69	530105/220/28/24/2566	27/01/2021	27/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	Dijlah Establishment Constr. Contr.	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-334.pdf	..\..\2021-368-2-2-423.docx	
70	530105/220/28/24/2598	27/01/2021	27/01/2021	Royal Scientific Society	Test Report	X		Eng. Hasan Shaqbua	File	..\..\..\..\..\..\Scanned Files\Scanned-الكتب 368\الواردة\Package 2\2021-2-3-335.pdf	File	

Letter No.	Letter REF.	Date of Letter	Date Received	From	Letter Description	Status		Assigned to	Issued To	Letter Location		Notes
						Answe-red	*Pendi-ng*			*Received Letter*	*Issued Letter*	
71	51/USAID/3/2019	28/01/2021	28/01/2021	Dijlah Establishment Constr. Contr.	Under Ground Rain Water Tank Thahr Al-Sarow Basic Mixed School		X	Eng. Sawsan Al-Yousef Eng. Mohammad Almajale	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب\368\الواردة\Package 2\2021-2-2-343.pdf	-	
72	51/USAID/3/2019	28/01/2021	30/01/2021	Dijlah Establishment Constr. Contr.	Payment no.(1)	X		Eng. Natheer Amareen	MPWH	..\..\..\..\..\..\Scanned Files\Scanned-الكتب\368\الواردة\Package 2\2021-2-2-353.pdf	..\..\2021-368-2-1-397.docx	
73	A1	30/01/2021	30/01/2021	Dijlah Establishment Constr. Contr.	Stone Shop Drawing / Jumana		X	Eng. Batool Yassine	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب\368\الواردة\Package 2\2021-2-2-354.pdf	-	
74	A32	30/01/2021	30/01/2021	Dijlah Establishment Constr. Contr.	Aluminum angle		X	Eng. Batool Al-Rabadi	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب\368\الواردة\Package 2\2021-2-2-351.pdf	-	
75	A33	30/01/2021	30/01/2021	Dijlah Establishment Constr. Contr.	Non Fire rated Wooden Door		X	Eng. Batool Yassine	-	..\..\..\..\..\..\Scanned Files\Scanned-الكتب\368\الواردة\Package 2\2021-2-2-352.pdf	-	

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	368-2/2/87	Contractor's Superintendence	07/01/2021	Dijlah Establishment Constr. Contr.		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-87.pdf	
2	368-2/1/120	Additional Quantities Resulted From the New Formation Level/Thahr Al Sarow	10/01/2021	MPWH		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-120.pdf	
3	368-2/1/146	Main Domestic water supply pipe	11/01/2021	MPWH		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-1-146.pdf	
4	368-2/2/99	Polyethylene Membrane	09/01/2021	Dijlah Establishment Constr. Contr.		..\..\..\..\..\..\Scanned Files\Scanned-الكتب الصادرة\368\Package 2\2021-368-2-2-99.pdf	

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

3.1.2 Arch. Materials Submittal

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.:	3	**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*	*Rvise & Resubmit*	*Rejected*	*File*	*Site*	*Contractor*				
1	A21	2	Aluminum windows and certain walls	Dijlah Est. Constr. Contr.	2/1/2021				X	X		X			10/1/2021	
2	A24	2	Stone Work	Dijlah Est. Constr. Contr.	29/12/2020	X				X		X			31/12/2020	
3	A25	2	Colored Plaster	Dijlah Est. Constr. Contr.	24/12/2020	X				X		X			31/12/2020	
2	A25	1	Cersamic Tiles	Dijlah Est. Constr. Contr.	4/1/2021		X			X		X			10/1/2021	
	A27	1	Steel Hand Rail	Dijlah Est. Constr. Contr.	26/12/2020				X	X		X			4/1/2021	
3	A28	1	Steel windows Screen	Dijlah Est. Constr. Contr.	9/1/2021	X				X		X			13/1/2021	
4	A29	1	Steel Reinforcement	Dijlah Est. Constr. Contr.	17/01/2021		X			X		X			20/01/2021	
5	A22	1	Granite Tles	Dijlah Est. Constr. Contr.	10/01/2021	X				X		X			21/01/2021	
6	A26	2	Steel Doors and Frames	Dijlah Est. Constr. Contr.	21/01/2021	X				X		X			27/01/2021	

Annex -3-

3.2 Electrical Submittals

3.2.1 Elect. Shop Drawings
3.2.2 Elect. Materials Submittal

3.2.1 Elect. Shop Drawings

Wahib Medanat Consultant Engineers

SUBMITTALS LOG

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

Electrical 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.:	3	**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*				
1	E-10	3	Electrical Shop Drawing / Hai Allskan School	Dijlah Est. Constr. Contr.	10/1/2021			X		X		X			16/1/2021	
2	E-12	1	Electrical Shop Drawing / Thahe Al-Sarow School	Dijlah Est. Constr. Contr.	10/1/2021			X		X		X			16/1/2021	
3	E-13	1	Electrical Shop Drawing / Jumana Bint Abi Taleb School	Dijlah Est. Constr. Contr.	10/1/2021			X		X		X			16/1/2021	
4	E-10	4	Electrical Shop Drawing / Hai Allskan School	Dijlah Est. Constr. Contr.	18/1/2021		X			X		X			21/1/2021	
5	E-12	2	Electrical Shop Drawing / Thahe Al-Sarow School	Dijlah Est. Constr. Contr.	18/1/2021		X			X		X			21/1/2021	
6	E-13	2	Electrical Shop Drawing / Jumana Bint Abi Taleb School	Dijlah Est. Constr. Contr.	18/1/2021		X			X		X			21/1/2021	

3.2.2 Elect. Materials Submittal

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.:	3	**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*	*Rvise & Resubmit*	*Rejected*	*File*	*Site*	*Contractor*				
1	E-17	2	CCTV System	Dijlah Est. Const. Contr.	2/1/2021				X	X		X			9/1/2021	
2	E-8	2	Elevator	Dijlah Est. Const. Contr.	28/12/2020			X		X		X			4/1/2021	
3	E-8	3	Elevator	Dijlah Est. Const. Contr.	6/1/2021			X		X		X			11/1/2021	
4	E-15	2	Public Address	Dijlah Est. Const. Contr.	6/1/2021			X		X		X			13/1/2021	
5	E-16	2	Audio / Video System	Dijlah Est. Const. Contr.	6/1/2021			X		X		X			13/1/2021	
6	E-18	1	Stucture Cabling System & Switches	Dijlah Est. Const. Contr.	5/1/2021			X		X		X			14/1/2021	
7	E-8	4	Elevator	Dijlah Est. Const. Contr.	23/1/2021	X				X		X			26/1/2021	
8	E-14	2	Lighting	Dijlah Est. Const. Contr.	25/1/2021			X		X		X			31/1/2021	
9	E-18	2	Stucture Cabling System & Switches	Dijlah Est. Const. Contr.	25/1/2021		X			X		X			31/1/2021	

Annex -3-

3.3 Mechanical Submittals

3.3.1 Mech. Shop Drawings
3.3.2 Mech. Materials Submittal

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.:	3	**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*				
1	M-5	1	Tanks Sleeves - Drainage system plan Jumana Bint Abi Taleb School	Dijlah Est. Constr. Contr.	9/1/2021				X	X		X			13/01/2021	
2	M-5	1	Drainage and rain water system Jumana Bint Abi Taleb School	Dijlah Est. Constr. Contr.	9/1/2021				X	X		X			13/01/2021	
3	M-5	1	Drainage and rain water system Thahr Al Sarow School	Dijlah Est. Constr. Contr.	9/1/2021				X	X		X			13/01/2021	
4	M-5	1	Drainage and rain water system Hay Al Iskan Basic School	Dijlah Est. Constr. Contr.	9/1/2021				X	X		X			13/01/2021	
5	M-6	1	Drainage and Sleeves for Tanks/Thahr al Sarow/Hay Al Iskan	Dijlah Est. Constr. Contr.	13/01/2021				X	X		X			18/01/2021	

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*				
6	M-7	3	Drainage and rain water system Hay Al Iskan Basic School	Dijlah Est. Constr. Contr.	23/01/2021				X	X		X			1/2/2021	
7	M-8	2	Sleeves and drainage layout for tanks Hay Al Iskan Basic School	Dijlah Est. Constr. Contr.	23/01/2021				X	X		X			1/2/2021	
8	M-9	2	Sleeves and drainage layout for tanks Thahr Al Sarow School	Dijlah Est. Constr. Contr.	24/1/2021				X	X		X			30/1/2021	
9	M-9	2	Sleeves and drainage layout for tanks Jumana Bint Abi Taleb School	Dijlah Est. Constr. Contr.	24/1/2021				X	X		X			30/1/2021	
10	M-9	2	Sleeves and drainage layout for tanks	Dijlah Est. Constr. Contr.	24/1/2021				X	X		X			30/1/2021	
11	M-9	2	Sleeves and drainage layout for tanks	Dijlah Est. Constr. Contr.	24/1/2021				X	X		X			30/1/2021	

3.3.2 Mech. Materials Submittals

Wahib Medanat Consultant Engineers

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.:	3	**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*	*Rvise & Resubmit*	*Rejected*	*File*	*Site*	*Contractor*				
1	M-23	2	Split Unit	Dijlah Est. Const. Contr.	21/01/2021			X		X		X			27/01/2021	
2	M-35	1	Pex, manifold and fitting	Dijlah Est. Const. Contr.	21/01/2021		X			X		X			28/01/2021	Approved as noted for LK Pexs
								X		X		X				Revise and Resubmit for Pex Fitting
4	M-36	1	Manholes Ring for Sewage and Rainwater	Dijlah Est. Const. Contr.	27/01/2021											Under Review

Annex -3-

3.4 Civil Submittals

3.4.1 Civil Shop Drawings
3.4.2 Civil Materials Submittal

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:	10/2019/USAID/SKEP/3/2	**Contractor:**	Dijlah Est. Constr. Contr.
Rep no.:	3	**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*				
Hay AL-Iskan basic mixed school																
1	S1-S15A	0	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
2	S1-S15A	1	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	24/11/2020				X		X	X			26/11/2020	
3	S1-S15A	2	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	29/11/2020		X				X	X			1/12/2020	
4	S1-S15A	3	Single footing, combiend footing and raft foundation	Eng.Amer khewlih	1/12/2020				X		X	X			3/12/2020	
5	S15B-S30	0	column from footing to end floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
6	S15B-S30	1	column from footing to end floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	
7	S15B-S30	2	column from footing to end floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
8	S15B-S30	0	S.O.G REIN. Basement floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
9	S15B-S30	1	S.O.G REIN. Basement floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	
10	S15B-S30	2	S.O.G REIN. Basement floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
11	S15B-S30	0	S.O.G REIN. GROUND floor	Eng.Amer khewlih	28/10/2020				X		X	X			9/11/2020	
12	S15B-S30	1	S.O.G REIN. GROUND floor	Eng.Amer khewlih	29/11/2020			X			X	X			1/12/2020	

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

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 Note Revise & Resubmit*		*Rejected*	*File*	*Site*	*Contractor*				
13	S15B-S30	2	S.O.G REIN. GROUND floor	Eng.Amer khewlih	1/12/2020		X				X	X			3/12/2020	
14	S31-S57	0	STRIP FOOTING REINF.	Eng.Amer khewlih	28/10/2020				x		X	X			9/11/2020	
15	S31-S57	1	STRIP FOOTING REINF.	Eng.Amer khewlih	30/11/2020			x			X	X			9/12/2020	
16	S31-S57	2	STRIP FOOTING REINF.	Eng.Amer khewlih	15/12/2020	X					X	X			17/12/2020	
17	S58-S73J	0	CORE REINF.	Eng.Amer khewlih	28/10/2020				x		X	X			9/11/2020	
18	S58-S73J	1	CORE REINF.	Eng.Amer khewlih	19/12/2020			x			X	X			22/12/2020	
19	S58-S73J	0	SHEAR WALL REINF	Eng.Amer khewlih	28/10/2020				x		X	X			9/11/2020	
20	S58-S73J	1	SHEAR WALL REINF	Eng.Amer khewlih	19/12/2020			x			X	X			22/12/2020	
21	128A-160	0	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	28/10/2020				x		X	X			9/11/2020	
22	128A-160	1	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	9/12/2020		X				X	X			15/12/2020	
23	128A-160	2	BOUNDARY WALL REINF. (EXTERNAL WORK)# 1	Eng.Amer khewlih	16/12/2020	X					X	X			16/12/2020	
24	128A-160	0	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	28/10/2020				x		X	X			9/11/2020	
25	128A-160	1	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	1/12/2020			x			X	X			3/12/2020	

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

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*				
26	128A-160	2	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	9/12/2020		X				X	X			12/12/2020	
27	128A-160	3	BOUNDARY WALL REINF. (EXTERNAL WORK)# 2	Eng.Amer khewlih	15/12/2020	X					X	X			16/12/2020	
28	SFP100	0	EXCAVATION	Eng.Amer khewlih	21/11/2020			x			X	X			23/11/2020	
29	SFP101	1	EXCAVATION	Eng.Amer khewlih	30/11/2020			x			X	X			1/12/2020	
30	SFP102	2	EXCAVATION	Eng.Amer khewlih	1/12/2020		X				X	X			1/12/2020	
31	AP001	0	REDUCE LEVEL	Eng.Amer khewlih	26/12/2020			x			X	X			27/12/2020	
32	AP002	1	REDUCE LEVEL	Eng.Amer khewlih	27/12/2020		X				X	X			27/12/2020	
33	S 74-S75	0	BASEMENT SLAB	Eng.Amer khewlih	2/1/2021		X				X	X			4/1/2021	
34	S 74-S75	1	BASEMENT SLAB	Eng.Amer khewlih	5/1/2021	X					X	X			5/1/2021	
35	SCP10-14	0	Stair case	Eng.Amer khewlih	16/1/2021		X				X	X			18/1/2021	
36	1		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	
37	SCP10-14	1	Stair case	Eng.Amer khewlih	25/1/2021		X				X	X			26/1/2021	
38	SSP500-510	0	slab first floor	Eng.Amer khewlih	23/1/2021		X				X	X			27/1/2021	
39		0	main steel requeriment bedded stone	Eng.Amer khewlih	30/1/2021	X					X	X			31/1/2021	
40	S58-S73J	0	shear wall from ground floor to roof floor	Eng.Amer khewlih	24/1/2021		X				X	X			31/1/2021	

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

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																
41	01	0	foundation details (1-9)	dijla - eng,sahar	7/11/2020				X		X				09/11/2020	
42	01-rev1	1	foundation details (1-9)	dijla - eng,sahar	16/11/2020		X				X				16/11/2020	
43	02	0	foundation details (10-14)	dijla - eng,sahar	9/11/2020				X		X				9/11/2020	
44	02-rev1	1	foundation details (10-14)	dijla - eng,sahar	16/11/2020			X			X				18/11/2020	
45	02-rev2	2	foundation details (10-14)	dijla - eng,sahar	19/11/2020	X					X				19/11/2020	
46	03	0	walls under SOG	dijla - eng,sahar	17/11/2020				X		X				26/11/2020	
47	03-rev1	1	walls under SOG	dijla - eng,sahar	02/12/2020		X				X				06/12/2020	
48	04	0	SOG	dijla - eng,sahar	24/11/2020				X		X				2/12/2020	
49	04-rev1	1	SOG	dijla - eng,sahar	90/12/2020		X				X				17/12/2020	
50	05	0	Boundary wall -north east - north west	dijla - eng,sahar	29/11/2020				X		X				12/12/2020	
51	05-rev1	1	Boundary wall -north east - north west	dijla - eng,sahar	17/12/2020		X				X				17/12/2020	
52	06	0	Tie Beams	dijla - eng,sahar	7/12/2020			X			X				7/12/2020	
53	06-rev1	1	Tie Beams	dijla - eng,sahar	19/12/2020	X					X				24/12/2020	
54	07	0	Boundary wall - south east	dijla - eng,sahar	21/12/2020		X				X				24/12/2020	
55	08	0	ground floor framing plan	dijla - eng,sahar	29/12/2020				X		X				6/1/2021	
56	08-rev1	1	ground floor framing plan	dijla - eng,sahar	09/01/2021				X		X				9/1/2021	
57	09	0	columns	dijla - eng,sahar	6/1/2021				X		X				16/01/2021	
58	10	0	first floor slab	dijla - eng,sahar	23/01/2021						X					Under Revision
59	11	0	stone base details	dijla - eng,sahar	27/01/2021		X				X				28/01/2021	

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

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																
60	STR-003	2	Steel reinforcement for columns	dijla - Eng. Abullmalik	6/12/2020			X			X	X			10/12/2020	
61	STR-003	3	Steel reinforcement for columns	dijla - Eng. Abullmalik	17/12/2020			X			X	X			23/12/2020	
62	STR-003	4	Steel reinforcement for columns	dijla - Eng. Abullmalik	24/12/2020		X				X	X			27/12/2020	
63	STR-004		Steel reinforcement for tie beams	dijla - Eng. Abullmalik	19/12/2020						X	X			3/1/2021	
64	STR-006	1	Steel reinforcement for boundary wall 1 part 1	dijla - Eng. Abullmalik	13/12/2020		X				X	X			15/12/2020	
65	STR-007	1	Steel reinforcement for Guard house (footing-columns-walls)	dijla - Eng. Abullmalik	13/12/2020		X				X	X			16/12/2020	
66	STR-008	0	Ground Beam (STR-GB-001/ STR-GB-002)	dijla - Eng. Abullmalik	30/11/2020				X		X	X			1/12/2020	
67	STR-008	1	Ground Beam (STR-GB-001/ STR-GB-002)	dijla - Eng. Abullmalik	6/12/2020		X				X	X			10/12/2020	
68	STR-009	0	Boundary wall (2) Footing	dijla - Eng. Abullmalik	14/12/2020		X				X	X			17/12/2020	
69	STR-010	0	Boundary wall (2) Walls	dijla - Eng. Abullmalik	16/12/2020		X				X	X			19/12/2020	
70	STR-011	0	Cyclopean	dijla - Eng. Abullmalik	19/12/2020	X					X	X			19/12/2020	
71	STR-012	0	Boundary wall (3) part 1- Foundation	dijla - Eng. Abullmalik	20/12/2020	X					X	X			22/12/2020	
72	STR-013	0	Boundary wall (3) part 1 - Walls	dijla - Eng. Abullmalik	23/12/2020		X				X	X			27/12/2020	

3.4.1 Civil Shop Drawings

Wahib Medanat Consultant Engineers

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*				
73	STR-014	0	WATER TANK WALLS	dijla - Eng. Abullmalik	29/12/2020		X				X	X			9/1/2021	
74	STR-015	0	Single Wall (STR-WALLS-01,02,03)	dijla - Eng. Abullmalik	29/12/2020		X				X	X			9/1/2021	
75	STR-010	1	Boundary wall (2)	dijla - Eng. Abullmalik	5/1/2021		X				X	X			31/1/2021	
76	STR-06	2	Boundary wall (1) PART1	dijla - Eng. Abullmalik	4/1/2021		X				X	X			31/1/2021	
77	STR-16	0	SINGLE WALL (STR-WALLS -2-01,02,03,04)	dijla - Eng. Abullmalik	8/1/2021		X				X	X			8/1/2021	
78	STR-013	1	BOUNDARY WALL 3 PART 1	dijla - Eng. Abullmalik	11/1/2021		X				X	X			31/1/2021	
79	STR-017	0	Elevator Walls and Slab	dijla - Eng. Abullmalik	14/1/2021		X				X	X			18/1/2021	
80	STR-018	0	Stair Case Core 1 & 2 Reinforcement	dijla - Eng. Abullmalik	16/1/2021		X				X	X			16/1/2021	
81	STR-08	R2	Ground Beam (STR-GB-001/ STR-GB-002,3,4 AND 5)	dijla - Eng. Abullmalik	17/1/2021		X				X	X			21/1/2021	
82	STR-019	R0	Slab on Grade Reinforcement	dijla - Eng. Abullmalik	24/1/2021		X				X	X			28/1/2021	
83	STR-020	R0	External Ramp Footing and Wals	dijla - Eng. Abullmalik	24/1/2021		X				X	X			26/1/2021	

Annex -4-

Site Visits Reports & Meetings

4.1 Coordination & Progress Meetings

4.2 Site Visits

Annex -4-

4.1 Coordination & Progress Meetings

Pre- Construction conference on Jan 04, 2021– Wahib Medanat Office
(Refer to Table 2. Coordination & Progress Meetings – Page 18)

Minutes of Meeting

Subject: Pre- Construction Conference – SKEP III

Location: Wahib Medanat Consultant Engineers Office
Date: January 4, 2021
Time: 10:00
Present:

1. Eng. Lana Alriji, DSMI, MPWH (virtual)
2. Eng. Basema Shehan, HDIFP, MPWH
3. Eng. Ola Nababteh, Engineer at IFP, MPWH
4. Eng. Tarek Rashdan, PMS, USAID
5. Eng. Mike McGovern, Chief of Party, CMTO
6. Eng. Maysoon AL Hyari , SGL, CMTO
7. Eng. Osama Obaid, SCM, CMTO
8. Eng. Diana Abu Saleh, Project Controls Engineer, CMTO (virtual)
9. Eng. Wahib Medanat, General Manager, Medanat
10. Eng. Suhair Amarin, Project Director, Medanat
11. Eng. Natheer Amarin, Project Manager, Medanat
12. Eng. Hassan Shaqbua, QC Manager, Medanat
13. Eng. Sawsan Al-Yousef, Resident Engineer, Medanat (virtual)
14. Mr. Mohammad Mbydeen, Safety Officer, Medanat
15. Mr. Muhannad Abu Rsheid, General Manager, Dijlah
16. Eng. Amer Abdel Ghani, Project Manager, Dijlah
17. Eng. Sherif Saleh, Projects Manager, Derar
18. Eng. Mohammad Al Azem, Project Manager, Derar

The Purpose of the Meeting is to discuss the Contract Requirements concerning several Issues (*Time, Quality, Safety, VOs and Claims*).

At the beginning, Natheer welcomed all the attendees and asked them to introduce themselves, and they did. Also, he clarified that the purpose of the meeting is to establish partnerships, solving any arisen problems and to discuss Contract requirements.

Introduction

1. **MPWH Vision & Requirements regarding the Implementation of the Project**

1.1. Basema stated:

1.1.2 SKEP is the biggest USAID funded project in Jordan.

1.1.3 Our scope is to achieve the best quality possible within the time schedule and budget.

1.1.4 Expressing readiness to help out the Contractor whenever and wherever needed, no matter what the problem or the issue is,

1

so issues shouldn't be postponed until later time or at the end of the Project where there is nothing to be done.

1.1.5 Contractors should present any problem they face on monthly meetings and daily reports by Consultants and Contractors or directly contact the Ministry.

1.1.6 Teamwork is what the Ministry seeks, and everybody's commitment is required for the Project to succeed.

2. Description of the CMTO Role and Management

2.1. Mike stated:

2.1.1 CMTO role is to provide observation in the field where the construction work is held, reviewing documentation, and setting meetings.

2.1.2 Trigon will make consistence presence in the field through visits to make sure everything is going according to the plan and time schedule.

2.1.3 Such pre-constructions meetings are usually done in two days, and walk through the entire Contract for everybody to understand each and every single point, including the Contractors, the Employer, and the funding agencies.

2.1.4 This meeting is mainly focusing on the Contractor, any so the representatives must ask questions if having any.

2.1.5 Stressing once again on Trigon's part, which is to help out and cooperate with all the parties in order for the schools to be built in the best way and in the planned time so they can provide benefits for Jordan's children once starting operating.

2.1.6 Expressing understanding of the risks that such project may encounter (especially on the Contractor side regarding expenditures, while also looking for achieving profit).

2.1.7 Trigon role involves enforcing USAID points of emphasis as following:

- Contract Schedule: referring to Contract **Clause (14)** which implies that a working schedule is a must, and that it should be used to guide the work, and this schedule should be updated each month and used on daily basis by everyone.
- **Contract Clause (60.2):** payment is linked with the updated schedule (and so the schedule should be submitted with the payment papers).
- Work should be done according to the schedule (USAID says so).

- Safety plan: workers should be safe at all times during working hours, and therefore there are thing that should be provided or taken into consideration in construction sites- there are 11 pages on the **Application of Health, Safety and Environmental Rules,** and each site has a safety officer to make sure everybody is complying with the health and safety plan.
- Praising Medanat team for doing a fantastic job regarding this matter.
- The risk mitigation: Contractors should speak about the risk mitigation in the next meeting- and explain what risk have they faced during the implementation, and how are they dealing with them in accordance with their plan.
- Just as important is the schedule of the quality control plan, in which we received help from Medanat Office, from Hassan precisely, in making forms and tracking logs for testing and sampling, and its Hassan's responsibility to help Contractors. Quality of work is how the work is moving forward according to the plan and specifications.

3. USAID Vision & Requirements regarding the Implementation of the Project

3.1. Tarek stated:

3.1.1 Compliance is the most important mechanism for the job to be done in the best way possible.

3.1.2 It's also important to establish a balance between time and quality, while working with accordance to the schedule.

3.1.3 USAID believes we have enough time to finish the targets within schedule.

4. Project Description

4.1. Natheer gave a description of the construction sites of the Two Packages of SKEP III: the Contractors, schools names, areas along with the Contracts amount.

5. Medanat Website (SKEP III)

5.1. Wahib stated:

5.1.1 The website will help all parties (and clients) to have a broader

understanding since it contains all the information, logs, and even charts required to acknowledge how the Project is proceeding.

5.1.2 The website enables its visitors to download the information they are seeking in the forms of word, Excel, and PDF.

5.1.3 All the information regarding our staff are also included in the website, and a google map location of the schools is also there for the interested.

5.2. Suhair said that the Contractors were provided with the website link (URL), and they already downloaded the forms and started using them.

6. Schedule Issues

6.1. Diana stated:

6.1.1 Schedule Commitment: commitment to use the schedule by the owners of each company (Top Management) and adopt this on construction sites, otherwise; there will be problems in work, and thus penalties for delays (Liquidated Damages) will be applied.

6.1.2 Schedule Discipline: at Package level; Resident Engineers to ensure using the schedule as a tool to manage, measure, and monitor the progress of work.

6.1.3 Schedule Development and Mechanism: this is the duty of the Planner.

- Make your schedule simple and easy to read and apply.
- Make the schedule Budget Loaded, Labor Loaded, Shop drawings and Materials schedules are connected with the activities
- Coordination between the Planner, Home Office (Engineering and Procurement Departments), Resident Engineer and his Site Engineers.
- Make sure to track the long lead items (as this is for construction of new schools).
- Site engineers shall be aware of the preparations needed before started the activities. Manpower, materials availability and date of ordering the materials with correct quantities to prevent any shortage, approved shop drawings, sequence of work (example-tiling: laying of elector mechanical installations, backfilling before tiling).
- Working in parallel at same floor and in multiple floors. SKEP schools have large areas can be managed in zones to accelerate the work.

6.1.4 Schedule Adjustment: At some point, the schedule needs to be adjusted due to delays encountered.

6.1.5 Schedule Tracking on Site and Reporting: usage of practical schedule (simple excel sheet) with defined milestones helps site engineers to manage day to day activities and this sheet will help the Planner to update the construction schedule.

6.1.6 In all stages, the cooperation of the supervision firm and their planner is mandatory to have integrated relationship.

6.1.7 CMTO will conduct Schedule Workshop for discussing more the Schedule usage.

7. How can we Insure Quality in our Project

7.1. Osama stated:

7.1.1 Quality must be insured in the Project and this can be attained by doing the following:

- Having a quality plan that is in line with the company policies and the procedures that should be implemented to meet the technical specifications and Tender Documents.
- The company should always seek high quality since poor quality can affect the company's reputation.
- The quality manager is the key person and the most responsible for managing and observing how things are moving from one hand, and following up with materials' testing, tracking logs, and communication with and at the site from the other hand.
- Technical specifications should be fully understood.
- High outcomes result from hiring qualified and skilled engineers, and it is the skilled engineer job to supervise unskilled workers' job.

7.1.2 The material tracking logs track the materials usage from day one until the end of the Project, and they are also important in monitoring the test done to the materials by the specialized labs and engineers.

7.1.3 Non-conformance logs makes it clear which works are not going according to the specifications (this mostly leads to losing effort and money).

7.1.4 We are here to assist and provide recommendations, and to remind you that the higher managing teams of each party should visit the sites to see for themselves how work is going, while also including engineers and workers in their decision-making and advices.

7.1.5 Contractor should not hastate to fire the ones who are not doing their jobs.

7.1.6 A workshop about quality is planned, and it will provide you with more details and knowledge about the issue.

7.1.7 Last but not least, the Contractors must speak if they find anything missing in the designs.

(15 Min. Break)

7.2. Hasan stated:

7.2.1 In order to achieve good quality in work as specified in the Contract, we should make sure to approve the material and workshop drawings.

7.2.2 Regarding Material Submittal:

- When the Contractor submits a material, we should go through some clauses in the contract; **Clauses 8.1 and 78** the Contractor must ensure the origin and source of the material, along the description of the item in the Contract Technical Specifications, and to give the Engineer enough time to review and study his request or offer before responding.
- The Contractor should provide samples to support his request, and the Engineer review it in accordance with the Technical Specifications.
- The Contractor should provide all the submittals at first month, and we send him a reminder if he doesn't provide them in time.
- Suhair said that the percentage of the submitted materials are shown in the monthly reports.
- Mike commented: Covid-19 is the main reason behind submittals not being provided on time, and therefore the Contractor must ask for (Time Extension).
- Hassan stressed on that the inspection request should be submitted by the Contractor for each activity. Some activities are consisted of 3 to 4 stages such as plastering work. The work in each stage should be approved before moving to the next stage.
- Hassan presented three charts to insure quality assurance, those charts are related to the approval of materials, approval of workshop drawings, approval of work and dealing with non- conformance cases, all through forms designed especially for this purpose.
- MPWH asked for an explanation for the action done regarding the submittals when a problem arises and how it is dealt with in order to avoid postponing it to the end of the project.

Dijlah clarifies:

1. The Contract says that all submittals should be provided in one month, but this cannot be done since we are facing obstacles.
2. Our company receives a reminder from the engineers and we reply explaining the problems at hand.
3. According to Vendor List: we know we have to comply with it and we discussed this matter with Eng. Natheer. If the materials are not available, we exchange letters on the issue.

- Mike commented that a meeting should be held to discuss Dijlah issues regarding the specifications (list of problems).

7.2.3 Regarding Materials Testing:

- The testing labs are either those approved representing the Contractor or the Royal Scientific Society representing the Employer.
- The Contractors have the right to call for a third party if not accepting the results of the testing, but this third party should be approved by MPWH, and when the Contractor asks for a third party it's his responsibility to pay for its tests.
- Sample tests from the site should be provided, and we are responsible for approving or disapproving it.

7.2.4 Regarding the Shop Drawings:

- Suhair said that every shop drawing is checked by the engineers according to their specialty (i.e. electrical engineers check the electrical shop drawing and so on and so forth).
- Dijlah clarified that for construction work we provide shop-drawings after finishing with concrete works (Footing).
- Mike commented the following:
  1. Drawings should be provided at the site in hard copies, and the Contractor's site engineer should check and mark the drawings to show what had been built on daily basis.
  2. At the end of the Contract, the Contractor must put everything together including the shop drawings made and followed up at the site.
- Dijlah stated that they are already doing so according to the Contract, and work mechanisms.

WAHIB MEDANAT consultant engineers وهيب ميدانات مهندسون إستشاريون

8. Contractual Issues

8.1. Eng. Maysoon stated:

8.1.1 Explained the roles and responsibilities for Trigon, and the tasks of Trigon, she mentioned that these roles are included in the RFP of the Supervision Contract.

8.1.2 Reminded Medanat with the "Engineer" authorities and to be aware that time extensions, variation order, and the provisional sum (all should be viewed and approved by USAID and MPWH. We are working on sheets requested by USAID in this regard, which clarified in brief the authorities and the items that need USAID and MPWH approvals.

8.1.3 Mobilization explanation (20% as a payment), divided into 10% after signing the contract agreement before starting the mobilization, and 10% that are after submission of requirements mentioned in the Contract Conditions, also the mobilization payment must return back to USAID during the Contract duration.

8.1.4 Regarding Penalties applied on Contractor for Safety, there is three levels of Penalties, details will be mentioned by Safety issues.

8.1.5 Regarding Project completion and handing over, "Complete" means. When all work required by the Contract is complete and has been accepted by the Employer. "Final Completion" means the end of the Defects Liability Guarantee Period. Each Contractor's specifications are organized by MPWH (the regulations of the Ministry are important and must be considered).

8.1.6 Eng. Maysoon mentioned that the Contract Conditions included evaluation of Performance for CC, the Contractors must take into consideration the items of Evaluation, Safety, Quality. and other conditions, the evaluation will be bi-annually. Finishing on time is very important, and so is evaluating the performance. Covid-19, on the other hand, is postponing the handing over.

8.1.7 We all aware of that MPWH is responsible for classifications of Contractors, but for USAID contracts, USAID and MPWH agreed to include Evaluation of Performance for Contractors that executed USAID projects, and it is included in this Phase, the Evaluation will be Bi-Annually and the main topics for that is Quality, Safety and other items included in the Contract Conditions.

8.1.8 The Mockup room is important issue, Eng. Bassima going to talk about it.

8.1.9 Finally, Eng. Maysoon stated that it would be better if the

"Engineer" refer to number of the sub-clauses of the Contract when he issued letters to the Contractors, MPWH and other parties.

8.2. Mike stated:

8.2.1 The Contractor has the right to claim, but he should do so in 28 days. His claims will not be valid after that (FIDIC 1987).

8.2.2 Engineer and Employer can generate variation orders according to the Contract Conditions (sheet). And in relation to the Engineer has 14 days to answer the RFIs.

8.2.3 According to the **Contract Clause 44.2, Time Extensions** can be provided by the Contractor (taking into consideration time and money changes), and these need the approval of both MPWH and USAID.

8.3. Sawsan stated:

8.3.1 The progress of the work will be evaluated weekly and monthly according to the submitted work schedule. If a delay is observed, a letter will be sent to the Contractor asking to expedite the progress of the work, either by increasing the resources and/or by working outside the designated hours after obtaining the written permission of the Engineer as per required in **Sub-Clause 45.1 and Sub- Clause 46.1.** Otherwise, the Employer will be addressed in this regard asking to take the necessary actions with the Contractors based upon the Engineer's recommendation.

8.3.2 Referring **to Sub -Clause 44.1**, the claims for time extension shall be submitted within a week from the date when the delay occurs along with modified work schedule that shows hoe the delays impact project implementation using the critical path. She also added that the details and the documents that support the Contractor claim should be submitted within 28 days from the initial notifications.

As indicated in **Sub – Clause 53.3**. The Contractors are advised to abide by the above-mentioned requirements since the Contract indicates that the liquidated damages will be applied at the end of the Project regardless the unresolved claims, it is preferable to submit the notice to claim once the event happened.

8.3.3 Variation Orders have to be approved by the Employer and USAID prior to the issuance notwithstanding the Engineer's approval, the approval shall be in writing as stated in **Sub- Clause 51.2 COC II**, but if there is an urgent matter, a verbal approval could be obtained by MPWH and USAID.

8.4. MPWH asked for a clarification how to deal with issues related to the

updated schedule. Natheer said that the Contractor is the party responsible for the construction, thus he provides us with what he sees suit him better in regards to the time line.

8.5. Mike added:

- There is one schedule that is approved by the Engineer at the beginning of the work. The Contractor should point out the stage of the work done (if he is ahead or behind the timeline). These, afterwards, should be discussed in the monthly meetings.
- It's not up to anybody to change the baseline schedule.
- The Contractor should use the meetings to inform us about what he is going to do in order to correct the works done wrong or delayed.
- Time extensions are sent back to Contractor after being reviewed with recommendations from the concerned parties.
- Changing the schedule is totally different form updating it.

9. Safety Issues

9.1. Osama said that we are seeking zero injuries in the sites. Every party should know the procedures and communicate them with the site staff, including the skilled and unskilled labors, with explanation of how to avoid hazards.

- The Jordanian culture have an issue when it comes to construction works, which is that the workers are not always abiding to the safety requirements. Therefore, it is the top management job to observe and enforce the safety measures at the sites and such matters should be discussed in accordance with each company's safety policy.
- Just as important is to have an approved dumpsite, and a tracking log for the excavated materials.
- The Contractors should keep in touch with the Engineer with each step they take.

9.2. Mohammad stated:

- Covid-19 is the biggest problem for health and safety in sites these days, and it is an issue that we always discuss with the Contractors.
- We provide each package with a safety officer, who are responsible for supervision in each school.

- We recommend what should be done at sites to fix or avoid safety hazards in accordance with the Contract.
- The construction site safety is our main priority.

10. Reporting, Meetings and Communications

10.1. Suhair stated:

- Reports:
  i. We use daily reports and logs to track the number of equipment, man-power, weather conditions, materials, safety issues, and to evaluate how work is proceeding.
  ii. There is another type of daily reports In some cases considered as urgent and to ensure safety requirements daily follow up is conducted by the supervision staff and the head office upon that daily reports are issued and provided to all parties.
  iii. Weekly reports are prepared by supervision staff consist of the total activities per day for one week and the assessment of contractor performance during the week.
- Meetings:
  i. Progress meeting will be held monthly during performance of the work. Additional meetings may be called as progress in executing the works dictates.
  ii. Weekly site meetings with Contractor.
- Communications:

i. Communication with our staff: technological means such as WhatsApp, Emails, Virtual meetings and Telephone calls will be used to keep continuous communication between Supervision Staff and Head Office.
ii. The communication with the Contractor will be through correspondences, telephone calls, e-mails and meetings. The Head Office will be ensure quick and smooth response to the Contractor.
iii. We will keep contact with the Designer to resolve any arising design issues.
iv. Direct and Continuous communication with MPWH, USAID and Trigon will be adopted for the benefit of the project.

Minutes of Meeting

Subject: Pre- Construction Conference – SKEP III

WAHIB MEDANAT consultant engineers وهيب مدانات مهندسون إستشاريون

11. RFI Procedures

11.1. Mike stated that the Contractor could use the informal means to communicate with the Engineer if required (such as private emails and phone calls to ask questions or inquire about certain issues).

12. Project Completion & handing Over

12.1. Natheer said:

- The Contractor is done with a certain job he should contact the Engineer so they can inspect the work done.
- And here the Engineer will have two options, one is to approve that the work is done probably and write a letter to the Employer saying so, or give instructions if something is missing or not done right according to the work plan.
- The Contractor can complain to the Employer directly about the results, and the Employer has to choice to reject or accept the claim with what he sees suitable.
- The taking over committee is responsible for inspecting to work after it is all done, and this should be done in 10 days' time. Meanwhile the Contractor and Engineer should provide all the data and drawings to facilitate the committee's work.
- The Engineer's report will depend on the Committee's inspection

12.2. Mike said:

- The process of taking over will be explained in details and in an easier way for all the parties.

12.3. Natheer stated the following:

- When the whole of works have been substantially completed and have satisfactorily passed, tests on completion prescribed by the Contract, the Contractor may give notice to that effect to the Engineer, with copy to the Employer, accompanied by a written undertaking to finish with due expedition any outstanding work. Such notice and undertaking shall be deemed to be a request by the Contractor for the Engineer to issue a taking over certificate in respect of works.
- The Engineer shall conduct an inspection of works and submit a report of the Engineer's findings to the Employer and a copy to the Contractor. The Engineer may either certify that the works have properly completed and can be taken over, or give instructions to

the Contractor specifying the works which are -in the opinion of the Engineer- required to be done by the Contractor to the Engineer's satisfaction, and within a prescribed period of time determine by the Engineer, before the issue of the taking over certificate.

- If the Contractor has any objections to the Engineer's report, the Contractor may refer this matter in writing to the Employer, who shall, in the manner the Employer deems suitable, investigate the situation to ascertain the validity of the Engineer's report or form a committee for the taking over of the works.
- The Employer shall within (10) days from receipt of the Engineer's report, form a taking over committee, including the Engineer as one of its member, and shall notify the Contractor of the time and date fixed for carrying out an inspection of the works, the Engineer and the Contractor shall meantime, prepare all necessary schedules, bills and drawings as necessary to facilitate the said committee's work.
- The taking over committee shall, within 10 days from the date of being formed, conduct an inspection of the works.
- Upon being satisfied that the works are ready for taking over, the committee shall prepare a memorandum of taking over of the works signed by the committee's members as well as by the Contractor, copies shall be given to the Employer and USAID and the Contractor .
- If the taking over committee fails to inspect the works within 14 days calculated from the end of the above-mentioned 10 days, the date stated in the Engineer's report shall be considered as the date of taking over.
- The Engineer shall within 7 days of the date of signing the memorandum issue the taking over certificate in respect of the works, stating the date on which the Engineer considers the work as being substantially completed, that date consider the start the defect liability period.
- The Contractor is entitled to comment on or object the memorandum of the taking over committee in writing to the engineer, provided the contractor does so within 7 days from the date of signing the memorandum. The Engineer, in such case, shall study the objection and submit the Engineer's finding to the Employer.

- On the completion of the works, the Contractor shall submit:
  i. Three copies of maintenance and operating manuals for all mechanical and electrical equipment.
  ii. As built drawings for all works.
- In case of the default of the Contractor to complete all the works (including the punish list) within the Contract Period, the Employer, and after consultation with the Engineer shall be entitled to:
  i. Hire external Contractor to complete the works at the Contractor expense.
  ii. Deduct an amount equal to double the cost of completing the works by a third party.
  iii. Apply daily liquidated damages equal to amount specified in the appendix to form of tender.

13. Defects Liability Period

13.1. Suhair stated:

- The Engineer and MPWH teams will address the maintenance requests. A meeting on the matter will be held every 4 months. And there is also a monthly visit for each school to see how the work is moving.
- If problems were found a study about the causes will be done by the Engineer to help all parties involved in the project, and recommend an action to be done by the Contractor with the help of MPWH and MOE.

13.2. Tarek said "*Please seek the best materials and have more supplied to the sites*".

Derar said "Everything is explained in the Contract and we shall follow up if any problem occurred."

Suhair said let's bring the meeting to a close. She thanked everyone for coming.

SKEP III Pre-Construction Conference at Medanat Office

Trigon Meeting, Jan 06, 2021– Thahr Al Sarow Basic School for Boys- Jerash

(Refer to Table 2. Coordination & Progress Meetings – Page 18)

A Meeting to discuss the latest updates on work

Monthly Progress Meeting Jan 24, 2021– Jumana Bint Abi Taleb Basic Mixed School - Amman

(Refer to Table 2. Coordination & Progress Meetings – Page 18)

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III

WAHIB MEDANAT consultant engineers وهيب مدانات مهندسون استشاريون

Location: Jumana Bint Abi Taleb School/ Marka/ PK2
Date: January 24, 2020
Time: 11:00
Present:

1. Eng. Basema Shehan ,HDIFP, MPWH
2. Eng. Ola Nababteh, Engineer at IFP, MPWH
3. Eng. Tarek Rashdan, PMS, USAID
4. Eng. Mike McGovern, Chief of Party, CMTO
5. Eng. Osama Obaid, SCM, CMTO
6. Eng. Wahib Medanat, General Manager, Medanat
7. Eng. Suhair Amarin, Project Director, Medanat
8. Eng. Natheer Amarin, Project Manager, Medanat
9. Eng. Hasan Shaqbou, QC Manager, Medanat
10. Eng. Sawsan Al-Yousef, Resident Engineer, Medanat
11. Mr. Muhannad Abu Rsheid, Genenral Manager, Dijlah
12. Eng. Amer Abdel Ghani, Project Manager, Dijlah
13. Eng. Ayman Abu Lawi, Planning Engineer, Dijlah
14. Eng. Firas Odeh, Project Manager, Dirar Al Saraireh
15. 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 some Issues regarding the submitted mechanical Materials.

At the beginning, Suhair gave Introduction about the purpose of the meeting and asked Natheer to talk about the prepared **Safety Moment**. Natheer Referred to an accident where two girls were hit by a truck in Queen Rania Al Abdullah Street. Mike asked about the learned lesson from this incident, Natheer answered that protective measures should have been taken into consideration by adding more safety signs and that safety measures should be appropriately adapted.

Introduction- Package 2

1. Description of Jumana Bint Abi Taleb School

1.1. Yousef gave a brief about the new building; the total area, the details of each floor and the external works.

1.2. Mike asked about the project bid price, Yousef clarified that it is 2,936,321 JD.

1.3. Mike suggested to give more information such as the price per SQM and per each student next meeting.

2. Mobilization

2. 1 Sawsan stated that mobilization is completed and the second part of the advancement payment is released.

1

2. 2 Suhair added that the software of the PCs are not delivered yet.

WAHIB MEDANAT consultant engineers وهيب مدانات مهندسون استشاريون

3. Health, Safety & Environment

3.1 The Contractor abides by Contract requirements regarding safety, health and environmental, he expedited the execution of the retaining walls for urgent safety purposes and to avoid any risk in the construction site.

3.2 Regarding environmental, all debris and excavation extracts that could not be used for backfilling are removed out of the site to the authorized dumps; accordingly, the related forms are filled. This applies just to Thahr Al Sarow School.

3.3 Suhair stated that there is a form that Medanat Office uses called "Dumping Form" for the excavated and unneeded material that should be submitted by the Contractor.

- The Contractor should provide us with receipts that he will bring from the authorized and official body. Our office cannot allow dumping if not going according to an authorized process, and receipts are the proof that the trucks delivered the unneeded materials to the right place. Compliance is the most important mechanism for the job to be done in the best way possible.

3.4 Basema asked if the excavations are completed, Natheer stated it is in the final stages.

4. Work Progress

4.1 Mike stated that the working in the boundary walls is good and added that the Contractor should be included in the daily reports sent by the E-mail. Sawsan said they will be sent daily starting with this date.

4.2 Sawsan said that the work progress in all schools is as per the schedule, except for Jumana it is ahead of the schedule.

4.3 Wahib discussed the following:

4.3.1 Assessment of completion percentage for package II:

- Commencement date
- Contract duration
- Approved extension
- Elapsed time to date

4.3.2 Reviewing work programs and achievement ratio for every school of package II as follows:

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- **Hay Al Iskan Basic Mixed School:**
  a. CPM work program and work done in the site to this date.
  b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 4.5% less than the scheduled up to 31/12/2020.
  c. But the actual progress, up to 24/01/2021, had increased significantly, as we can notice that the difference between the actual progress and the scheduled had dropped by 3% roughly.
  d. Here are some photos from the school that shows the progress of construction at the site.
- **Thahr Al Sarow Basic School for Boys:**
  a. CPM work program and work done in the site to this date.
  b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 4.5% less than the scheduled up to 31/12/2020.
  c. The actual progress, up to 24/01/2021, had increased significantly here as well, which is clear in the difference between the actual progress and the scheduled that had dropped by 1.4%.
  d. Photos of the school that shows the progress of construction work at the site.
- **Jumana Bint Abi Taleb Basic Mixed School:**
  a. CPM work program and work done in the site to this date.
  b. The Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 3.8% less than the scheduled up to 31/12/2020.
  c. The actual progress, up to 24/01/2021, had increased significantly, and the progress percentage has exceeded the scheduled by 2%.
  d. Photos from the school showing the progress of construction work at the site.

4.3.3 A review of the progress for package II as a whole:

a. CPM work program and work done in the site to this date.
b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 4.2% less than the scheduled up to 31/12/2020.

c. Up to 24/01/2021, the actual progress rose significantly, and the difference between the actual and the scheduled progress was only 0.9%

5. Quality Issues

5.1 Hasan conveyed 2 issues related to quality control. First, the status of laboratory testing and second the status of submittals by contractor and as follows:

- **Laboratory Tasting**

a. Regarding laboratory testing, things are going very well for all items tested so far such as excavated materials, concrete mixes and steel reinforcement.

b. Confirmed that the excavated materials are not convenient for back-filling will be submitted by single size in accordance to the contract.

c. All grade 40, 10mm bars were removed from the site and substituted by grade 60, 10mm steel bars.

d. Regarding concrete, all results coming from the laboratories are satisfactory (most of after 7 days of casting) and gave an indication to the next result after 28 day of casting.

e. Presented the special log prepared for the follow up of the needed tests.

f. Osama asked if problems were encountered in concrete testing, Hasan answered just two at most and they were solved. Adding that the excavated material is not a huge problem since it is covered in the Contract, so they can be imported if required.

g. Basema asked if the single size is mentioned in the BoQ, Suhair answered yes. Sawsan clarifies that single size could not be used for the unconfined areas such as the playground and the assembly morning at Thahr Al Sarow school and added that a new item of selected materials (Backfill) shall be created.

h. Mike asked about the bodies doing sampling for concrete, the Contractor , Amer said that RSS and the approved laboratory and the concrete supplier, Hasan added that the technicians do these tests.

i. Mike said that he did not notice any water path on site, and asked about the place samples are put in. Yousef answered that there is a sample room, and water tanks are there in all sites. Sawsan stated that it is one of the Contract requirements.

j. Mike suggested taking a tour in the laboratories sometimes, and arrange that with Osama and Hasan. Amer said we will. Mike

explained that a tour will give a better idea about how laboratories do their job, and Trigon wants to review the sheet that shows all the break data points that the laboratory provides.

- **Material Submittals**

  a. Showed the log designed for following up of this issue and presenting the percentage of each civil, architectural, electrical and mechanical submittals to date, along with the status of these submittals. Mike asked about the total percentage of the submitted materials, Amer answered 47 %.

  b. Mike suggested using a lighter shade of green to cut cost of colors in printers.

  c. Mike asked the Contractor if he is behind the schedule concerning the submittals, Muhannad confirmed this, pointing to mechanical material submittals and explained the following:

     - Everything is going smoothly with electrical and other materials.
     - Encountering problems with mechanical submittals, and it is reflected on the shop drawings.
     - Wahib Medanat office tried a zoom meeting, but no problems were solved.
     - These problems are almost the same as the ones we faced in SKEP II.
     - An RFI was made on the matter, and a discussion was intended, but there were some technical issues in the internet that limited the discussion.
     - We understand Wahib Medanat Office is following the contract and cannot do any changes to it.

  d. Mike addressed the Contractor saying:

     - You need to start writing letters, when you have a comment on the submittal itself, so the submittal has a record of the discussion on this point including dates.
     - You'll have the forms coming back to your electronically and you'll write your response back on the form so start with the letters.
     - Letters (submittal forms) have the technical information on them, this will help making updates on submittal tracking logs.

- About going to Engicon this is up to them, and they'll answer you back on the matter.
- When you have the tracking log in good shape it will be easier for the Designer to go through it step by step.
- You have a point, if the Ministry has approved these submittals in SKEP II then they had to had formally approved it, and they can enter that discussion, but first you have to go to the Designer with Medanat office, and this actually belongs to Medanat as the Engineer here.

e. Basema stated:

- In SKEP II, I noted that the Consultant Engineer approved the submittals and some changes, but when we went back to the addendum we saw that this is under the Engineer authority, they didn't need to take the MPWH approval.
- After the inspection done by the Taking Over Committee (our special electrical and mechanical engineers), we found a difference when compared the installed material with the BoQ and the specifications, and in some cases there was a fault in some materials (not the same as the quality they were conditioned to have).
- I read a brief which as Eng. Natheer response regarding the meeting with the Designer for the mechanical issues, and though I'm not a mechanical engineer myself, but I noticed that the authority regarding this is completely in the hands of the Engineer, the Designer said I think the Engineers are reasonable (or the requirements are reasonable), therefore, go for the Engineer to have the decision.
- We as the ministry need a clear recommendation per item if there is a need to change it from the Contractor (we should have a full recommendation) then we'll see if we'll approve it or not. Mike:

f. Mike said:

- I don't believe that the design engineer has the right authority to make changes in the design specifications and give it back, if I was the inspector I would refuse that because now I'm taking authority for the design and I'm not paid for that.
- Making a design requires paying the designer.
- I think we have a situation Eng. Basema where there is

this question about things that were approved in SKEP II by the previous supervisory Engineer and I think that Dijlah has a legitimate point here, and how can we resolve this, I think that this and the other things you said need a higher level meeting with the ministry.

g. Basema commented that this can be arranged with our mechanical department

h. Mike stated that:

- We have to examine this, this is not an issue that is inside the specifications
- This needs a higher-level discussion and action.
- I will send an email to you and Lana, and suggest a meeting for later this week.

i. Basema asked if it will be entirely about the mechanical issues, or other things?

Mike answered that it will consider all things that were approved by CCG, it is more than mechanical. Basema stated that there is no need to discuss CCG for now, we are talking about SKEP III, so we won't discuss anything previous to the project at hand. Tare agreed and added he thinks this meeting to set a pace and touch ground on how we will move forward with such changes.

j. Basema stated that they prepare for the meeting by coordinating with the mechanical engineers and their manager, and we'll have a clear recommendation and documentation including the vendor and the specification for each item, so we can solve everything. This should be done immediately so it doesn't affect the schedule.

k. Wahib commented that we have a different Contractor for each package, one of them is complying with the specifications, so is there a reason to take the other Contractor and head to MPWH? Basema commented "it is your decision engineer Wahib. Wahib stated that we already made our decision clear regarding that.

l. Tarek asked: "Why is the Contractor requesting a change in the specifications?"

Suhair answered it is based on SKEP II.

m. Muhannad said that:

- There are some major problems, the pipes for instance but we solved that.

WAHIB MEDANAT consultant engineers

- We are not seeking change in specifications necessarily, and also not trying to imitate SKEP II, there is some technical issues and we have to solve them.
- Tarek commented: "But in my opinion if you would allow me to speak for the ministry, I think for the ministry to accept that there has to be a justification for an exemption to be issued and this exemption will apply to all projects. So if it applies to you (Contractor) it will apply to all other Contractors."
- Mike asked Muhannad:"If you going to give a substitution you are also going to give deduction right?" Muhannad answered: "Of course".
- Wahib asked: "What if the other contractor came to us and asked us why did we approve a different material? Tarek commented: "This is why I was saying it has to be exempted and justified, if there was problem."
- Suhair said: "Isn't it possible for the Contractor to just submit materials that meet the specifications as easy as that?"
- Tarek asked the Contractor:" -Why aren't you abiding by the specifications?

  Muhannad stated that we are abiding, but in our opinion, there is a problem in the specifications themselves, a conflict between the BoQ and the specifications. Tarek asked: "Is it related to design?" Muhannad answered: "It is related to the designer in a way, but the one who makes the decision is not the Engineer, it is the Employer with USAID." Basema said that regarding some items, we are in need for Engicon response, we asked Eng. Natheer that we need Engicon response regarding the mechanical works. Suhair confirmed that they already responded. Muhannad stated that they didn't talk this with Engicon, didn't have enough time. One meeting can solve all the problems.
- Suhair stated that now we have to move to the other Contractor. So muhannad is there anything else?

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III

WAHIB MEDANAT consultant engineers

6. Different Issues

6.1 Mike stated:

- We need a total for employees on the report that have the Employment figures. We also need a cash flow schedule. Wahib and Suhair said: Up Until now, there is nothing but the down payment.
- Mike to Muhannad: "You need to call a monthly payment; it takes 60 days to get paid. Therefore, you need to send a monthly bill, and you need to make sure you do it as soon as possible, so you don't encounter a lack in funds." Muhannad commented: "we already submitted the first payment."
- Regarding RFI s, Mike said:

  a. Regarding RFIs and Submittals' forms, again we don't need cover letters, we need to update these forms electronically, you can submit them to Basema and Ola but you don't have to submit them to Lana and Tariq. So use the forms, and the same thing goes for claims and time extensions.

  b. When you submit a time extension request or a claim request, USAID send those to us to review, and the first thing we write on them is, are they going in accordance with paragraphs (44. 1, 2, 3) and (57. 1,2, 3,4) And if you haven't submitted the claim of the request for time within 7 days and then submitted your justification in 30 days, then we'll write a letter to USAID saying this is not complying with the contract and shouldn't be reviewed. So you need to pay attention to the contract.

  c. (Speaking to the Contractor) do you receive our field trip reports? Muhannad ; Yes we do.

  d. Concerning the usage of provisional sums , Mike asked Medanat : " have you submitted a request to Basema and the USAID about using provisional sums ? " Suhair answered : Yes. Natheer added that there is another one for the other Contractor about the elevators because the elevators are provisional sums.

  e. Suhair stated: "We are considering 2 things here, one is if we encountered a conflict between specifications and drawings, that is a negotiable issue, but when it comes to submittals they are not open for negotiations. We can't negotiate changing specifications; it is not our authority.

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III

WAHIB MEDANAT consultant engineers

Introduction- Package 1

Suhair asked an Introduction of each member's name and occupation.

1. **Description**

   Awni gave a brief about the three schools of package one their facilities.

2. **Health , Safety and Environment**

   2.1. Awni stated: "we are following the safety regulations as per the safety plan approved, we implemented measures at the site, and we have a visit last week from Trigon and it was as per the standards."

   2.2. Suhair asked: "What about COVID-19 measures?" Awni answered: "We are taking all measures regarding COVID-19, such as disinfection stations on entrances of all sites, and also for vehicles. health signs are spread everywhere in the site to aware people, and disinfection solution is distributed at the entrances too."

   2.3. Mike stated that t he reports are great, you are doing a good job with health and safety and what about tool-box, are you doing tool-box weekly? Awni ;" -It is done weekly for both the labors and staff." Mike asked ; "What do the labors think? Are they interested in it?" The Contractor said : "It is new for them but they are ok with it." Suhair confirmed that the engineer has photos and documentations for this of course.

3. **Mobilization**

   Awni said that the mobilization is almost complete, offices, furniture, facilities, almost everything.

4. **Work Progress**

   Eng. Wahib gave an assessment on package I schools progress:

   4.1. An up to date schedule for all schools of package I in terms of the following:

   - Commencement date
   - Contract duration
   - Approved extension
   - Elapsed time to date

   4.2. Reviewing work programs and achievement ratio for every school of package I as follows:

   - **Um Al Dananir Basic Mixed School:**

     a. CPM work program and work done in the site to this date.

10

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b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 1.2% less than the scheduled up to 31/12/2020.

c. Up to 24/01/2021, the actual progress rose significantly, and the difference between the actual and the scheduled progress was only 1.9%.

d. Reviewing photos that explain the progress of work at the site.

- **Al Khansa' Basic Mixed School:**

a. CPM work program and work done in the site to this date.

b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 1.4% less than the scheduled up to 31/12/2020.

c. Up to 24/01/2021, the actual progress rose, and the difference between it and the scheduled progress was a mere 1.3%.

d. Photos of works going on in the site (the progress of construction)

- **Khadija Bint Khwailed Basic Mixed School:**

a. CPM work program and work done in the site to this date.

b. Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 0.5% less than the scheduled up to 31/12/2020.

c. Up to 24/01/2021, the actual progress rose, and the difference between it and the scheduled progress was a mere 0.45%.

d. Photos covering the progress of work from the site.

4.3. Progress percentage for package I as a whole:

- CPM work program and work done in the site to this date.
- The Cumulative Elapsed Time (scheduled and actual) to 31/12/2020, where it is shown that the actual progress is 1.05% less than the scheduled up to 31/12/2020.
- Up to 24/01/2021, the actual progress rose, and the difference between it and the scheduled.

4.4. Mike asked: "Did you start construction in the schools yet?" Suhair answered: "Still excavations in Um Al-Dananir, the construction has started in one school "Khadija".

4.5. Mike what about the material that wasn't accepted before what happened to it?, the Contractor ; " We have aanother item ", Mike ; " So you have found an approved source? " Awni : "- Actually as per BoQ we had to replace it by selecting single size." Mike ;"Is there BoQ item for that?" , Suhair ; "Yes".

4.6. Natheer stated that regarding the out goings in Al Khansa', we expect a delay in the coming days, because the geotechnical lab, the designer geotechnical lab completed 3 bore holes only, he couldn't complete the 8 bore holes and there is a note in the soil test report that says when the whole area is excavated contact us to came to continue the other 5 holes , and added Engicon told me they contacted the Contractor also. Suhair commented that they moved to the site to continue their job today.

Natheer: "I'm afraid that after they take the other five their test will require a change in the design, I hope everything goes ok, but this is the worst case scenario." Mike asked :" Natheer are you keeping Engicon informed about this?" , Natheer answered : " Yes I sent RFI informing them that they should contact the "Aces" regarding this matter". Mike commented: "Have you giving him (meaning the Contractor) an advice on 44-44.1 claim for time extension, he should put this thing that could be a claim for an extension of time" Hasan stated that they said that in a letter to avoid delay. Mikke : "-(the Contractor) needs to do this, to establish his position that he needs a claim for time. Natheer: " Al Khansaa is a difficult site, because of the mountain like landscape meanwhile Khadija is a good site for construction works.

4.7. Concerning Khadija the Contractor mentioned that the only problem they are facing in the mentioned site is the road entering the construction site, Natheer stated that this is not actually a problem.

4.8. Concerning retaining walls , Mike asked if there will be large retaining walls in one of the sites . Natheer answered that at Al Khansaa since the excavation sides are vertical , the Contractor will start with the execution of them. Mike commented that you also have to make sure when you do this thing you'll look to see what's on top of this thing.;If it houses or buildings you have to protect them, so I take the soils in this place is much different from Jerash, the Contractor agreed , Mike added : " Cause these soils are not good." Natheer stated that it depends, Al-Khansa' is different from Khadija, Al-Khansa' is rocky compaired to the others, Mike ; "so it is more dangerous than the staff in Jerash, you need to work with retaining walls.", Suhair said : "You can see through these photos from Al-Khansa' that it has a mountain landscape."

4.9. Natheer said that the problem is that the communication means are suffering a difficulty, our engineer has to walk to the main street for their internet and phone network to work. Suhair commented;" We should hold a meeting in there it is a lovely place, so quiet and isolated."

Minutes of Meeting

Subject: Monthly Progress Meeting – SKEP III

WAHIB MEDANAT consultant engineers

5. Quality Issues

5.1. Hasan conveyed 2 issues related to quality control. First, the status of laboratory testing and second the status of submittals by contractor and as follows:

- Laboratory Tests:
  a. Things are going very well for all items tested so far such as excavated materials, concrete mixes and steel reinforcement.
  b. Confirming that the excavated materials are not convenient for back-filling will be submitted by single size in accordance to the contract.
  c. Regarding concrete, all results coming from the laboratories are satisfactory (most of after 7 days of casting) and gave an indication to the next result after 28 day of casting.
  d. Presenting the special log prepared for the follow up of the needed tests.
  e. Basema said that the backfilling should be tested by the RSS, Suhair said :" of course".
  f. Hasan stated the log shows the status of the tested concrete cubes. Mike to Hasan :" When you said the tests are ok you are talking about 7 and 14 day breaks (for the concrete).Hasan said :" : For the concrete most of the samples are tested on 4 days , Mike : "For this is a new project, so all your tests are 7 to 14 days right?" Hasan : " Most of them are in 7 days only." Wahib commented :" : It's just an indication." , Hasan clarified that log includes two lines; one for 7 days, and one for 28 days. Mike." what about 14 do you do 14". Awni: "There is no need to do 14." Wahib: "The main problem is the percentage of porcelain in the cement, sometimes at 7 days it cannot give you 0.67 from the final result." Mike: "Then you do 14?". Wahib : "14 is not regular, we always go to 7 days, and maybe when the porcelain in cement is higher it takes two months to take them, so the contractor keeps the cubes for 2 months for this purpose."

- Materials Submittals
  a. Hasan said presented the log designed for following up of this issue and presenting the percentage of submittals to date, along with the status of these submittals. He confirmed that there is no rejected materials up to date, Suhair stated that all the submitted materials net the specifications. Mike; "you need to tell us next month, what percentage of submittals have been given. I need the percentage of the total submittals." Osama: "what about the shop drawings?"
  b. Osama asked about the floor tiles , Suhair stated that actually the Contractor submitted floor tiles which meet the specifications in the first time, and we approved the materials

13

and the colors, and we sent you a letter asking you to provide us with a contact person who will do the shop-drawings because there is a condition in the Contract that you should do shop drawing for each space in order to calculate the quantities, you can't calculate the quantities without approved shop drawings, so you should provide us with a contact person.

6. Mock up Rooms

6.1. Eng. Suhair have you discussed with the Contractor Derer Al-Sarayrah about the mock-up room. Suhair: " Yes."Basema commented:" Is it the same status for Dijlah did we agree to the somethings?" Suhair answered: "Yes, and we have prepared a letter for MPWH, same letter we will give our recommendation to both Contractors as we agreed."

6.2. Basema asked Tareq if he has any objections about the duration of the mock-up room, we need a written approval we will send you an e-mail after the recommendation from the Engineer, and we need an approval from you to issue a formal letter. Tareq answered :" Yes, absolutely " , Suhair stated that there is no need to build required mock up rooms and then demolish them ,Tareq agreed upon, Basema added that there is no need to specify a date for the slab on grade because we do not know when it will happen , Suhair stated that the date is according to the schedule. Basema asked if it is possible that the guard room to be the mock up room, Mike commented that it will be waste of time since it will removed right away , Suhair stated that it is preferable for the Contractor to execute the said rooms in the building since the guard room belongs to the external works. Tareq asked: "So once you have the Slab on Grade".

7. Different Issues

7.1. Plot Boundary

- The Contractor mentioned that they have a problem in the plot boundary, Awni answered that letter were sent to the Contractor in this regard and this issue is solved, Suhair confirmed that. Mike asked for more clarifications, Awni stated that a problem in Um Al-Dananir the street is wrongly put, it's not a main street. Basema : " What about the fence?" , Suhair :" the fence is shifted ."Osama :" How much is the width of the street." Awni :" 5m"Osama : "So how much do you need to take from it." Natheer: " Half of it ".Tareq :" Speeding of project completion how much will be lost from

the road." Basema: "Two meters from the school and one meter for side walk, so you'll take 3 meters from the street." Mike: "So if you have a construction fence and there was one lane, and somebody is driving so fast, at night to go to sleep, so he comes through the fence and you have some excavation for a couple of meters, and somebody gets hurt maybe there is a woman and children in the car, so now they coming for you, they'll bring a lawyer, I won't be using a construction fence, I'll use some Jersey barriers, and I'll have some signage, maybe even some lights at night, you know you need to protect yourself and also the municipality needs to give them a letter that says he is allowed to do this, to protect himself."

- Security Issue, Mike asked: "What about the security issue , is it finished ?, Awni, it is settled. Mike to the Contractor: "put your request for payment before you need it cause it takes time to get paid ok, be smart with your request for payment, medanat should advise them and remind them."
- Mike stated that: Medanat are doing a great job and they will help you. When you have a question like that about the road you need to write a request for information, and it needs to be on the correct form, when Medanat will send a response it will be written under yours, so you don't have to write letters, you just keep using the request for information to make a record of your decision and the same thing goes for submittals, just use the submitted form over and over again ok. Same thing applies to the claim and request for information.
- Basema to Eng. Suhair: anything related to site obstacles should be a priority and we should be updated daily on the matter, so we can solve things as fast as possible. We don't want things to be postponed.

Monthly Progress Meeting, Jan 24, 2021– Jumana Bint Abi Taleb Basic Mixed School- Amman

(Refer to Table 2. Coordination & Progress Meetings – Page 18)

A Meeting to discuss the latest updates on work at Jumana Bint Abi Taleb Site

Eng. Sawsan reviewing Package 2 Spread sheets

Eng Whaib made a presentation on (Schedualed and actual) progress percentages through dara-show

Annex -4-

4.2 Site Visits

Trigon Visit, Jan 06, 2021– Hay Al Iskan Basic Mixed School- Jerash

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

Temperature check at the entrance of the site- complying with Covid-19 Protocol

Eng. Abdul-Aziz observing executed work

Eng. Natheer discussing work progress on site

Eng. Odai- CMTO discussing the Safety measures on Site

Trigon Visit, Jan 06, 2021– Thahr Al Sarow Basic School for Boys- Jerash

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

Temperature check at the entrance of the site-complying with Covid-19 Protocol

Checking drawings

Watching wall insulation

Site Visit, Jan 24, 2021– Jumana Bint Abi Taleb Basic Mixed School- Amman

(Refer to Table 3. Site Visits – Page 20)

USAID representative – Eng. Tariq- observing work progress at Jumana School

MPWH representatives– Eng. Basema & Eng. Ola – discussing boundary walls issues during the visit

Medanat-Trigon-Contractor

Site Visit on Jan 14, 2021 – Thahr Al Sarow Basic School for Boys- Jerash

(Refer to Table 3. Site Visits – Page 20)

WAHIB MEDANAT consultant engineers

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SKEP III

Site Visit Report

Consultant	Wahib Medanat Consultant Engineer	Rep No.	016
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	Thu. 14/01/2021
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 progress of the execution of the retaining and boundary walls.
2	Discussing the replacement of the single size backfill by selected materials backfill for technical issues in the unconfined areas.
3	Discussing the quantities resulted from the relocation of the water tank in order to submit them to MPWH.

Attached

☐ 1:

☐ CC: Project Director

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Form # QP SUP 01-18, Rev.1

Site Visit on Jan 14, 2021 – Hay Al Iskan Basic Mixed School- Jerash

(Refer to Table 3. Site Visits- page 20)

WAHIB MEDANAT consultant engineers

USAID FROM THE AMERICAN PEOPLE

SKEP III Site Visit Report

Consultant	Wahib Medanat Consultant Engineer	Rep No.	015
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	Thu. 14/01/2021
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 of the retaining and boundary walls.
2	Discussing the quantity and cost of the executed shoring system since it is a provisional sum. The said quantity and cost are sent to the Employer in order to obtain their approval
3	Discussing the issue pf the proposed 10 m regulatory street which will be executed by deduction 5 m along the western south side of the construction land and other 5 m will be deducted along from the neighbor land.

Attached

☐ 1:

☐ CC: Project Director

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Form # QP SUP 01-18, Rev.1

Site Visit on Jan 30, 2021 – Jumana Bint Abi Taleb Basic Mixed School- Amman

(Refer to Table 3. Site Visits - page 21)

WAHIB MEDANAT consultant engineers

USAID FROM THE AMERICAN PEOPLE

SKEP III — Site Visit Report

Consultant	Wahib Medanat Consultant Engineer	Rep No.	018
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. 30/01/2021
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 of the retaining and boundary walls.
2	Discussing the location of the transformed and the method of statement how it should be located within the site.
3	Discussing the connection of the rainwater tank with the sewage system.

Attached

☐ 1:

☐ CC: Project Director

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Annex -5-

RFIs Tracking Logs

5.1 RFIs – Designer
5.2 RFIs – Contractor

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		
016	Jumana Bint Abi Taleb Basic Mixed School	26/01/2021	The details of double rib (D.R) and cross rib (C.R) are not available in the structural design drawings for the said School, please feedback.	26/01/2021	Veiw the Shop Drawing Attached	..\..\RFI- FORMS\Designer reply -RFI 016.docx
017	All Schools - Package 2	31/01/2021	we observed two details, one with marble sill inside and stone sill outside, the other marble inside and outside. calrify and feedback. In relation to which detail shall we use	31/01/2021	-	Under review

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 B\ 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
008	Thahr Al Sarow Basic School for boy	21/01/2021	No section for beam in drawings	Structural		X	26/01/2021	Find attached structural details for typical section under gate wheel		..\..\RFI- from Contractor\Thahr Al-Sarow Basic School for Boys\FRI- 008.pdf
002	Hay Al Iskan Basic Mixed School	16/01/2021	CCTV System	Electrical		X	16/01/2021	Abide to the electrical manufacturer list		..\..\RFI- from Contractor\Hay Al Iskan Basic Mixed School\RFI-E2 - Done.pdf
009	Thahr Al Sarow Basic School for boy	23/01/2021	No fairface concrete finish on water tank	Structural	-	-	26/01/2021	Abide to the design drawings with no change	..\..\RFI- from Contractor\Thahr Al-Sarow Basic School for Boys\RFI-009 - Done from site.jpg	
010	Thahr Al Sarow Basic School for boy	27/01/2021	elevator RC slab thickness is 300mm, and the drawing is showing 22mm	Structural		X	01/02/2021	follow the Structural Drawings		..\..\RFI- from Contractor\Thahr Al-Sarow Basic School for Boys\RFI-010-Done.jpeg
011	Thahr Al Sarow Basic School for boy	30/01/2021	a difference in levels between STR & Arch drawings	Architectural		X	01/02/2021	follow the Architectural Drawings		..\..\RFI- from Contractor\Thahr Al-Sarow Basic School for Boys\RFI-011-Done.jpeg

Annex -6-

Lab-Tests Results

6.1 Tracking Log
6.2 Excerpts of Sampling & Testing

Annex -6-

6.1 Tracking Log

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 Tests to be Conducted	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	RSS	Excavated Material	70-73	The purpose of the testing is to check whether the excavated material is	Excavated Material	1	12/15/2020	4000 m3	20/12/2020	**pass**	(530103)220/28/24/29246	No	RSS	

	Basic Mixed Schoo l				suitable for backaafilling or not. The excavated material is checked to determine the classification ofv the soil inaccordance to the related specifications in the contract.										
2.3.2			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 .										

3. Concrete Works

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
3.2.1	Jumana Bint Abi Taleb Basic Mixed Schoo l	International geotech lab	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	12/22/2020	40m3	31/12/2020	**pass**	2020-RC-002499-7	No	International geotech lab	

				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 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	12/22/2020	40m3	19/01/2021	**pass**	2020-RC-002612-28	No		
3.2.3	Jumana Bint Abi Taleb Basic Mixed School	International geotech lab	Concrete Mix (Reinforced)		Boundary wall (bw1) footings	3	12/20/2020	50m3	28/12/2020	**pass**	2020-RC-002465-7	No		
						3	12/20/2020	50m3	19/01/2021	**pass**	2020-RC-002611-28	No		
					Boundary wall (bw4) footings	3	12/24/2020	40m3	31/12/2020	**pass**	2020-RC-002500-7	No		
						3	12/24/2020	40m3	21/01/2021	**pass**	2020-RC-002630-28	No		
3.2.1	Jumana Bint Abi Taleb Basic Mixed School	International geotech lab	Concrete Mix (Blinding)		Blinding for upper footings	3	12/28/2020	74m3	07/01/2021	**pass**	2020-RC-002526-7	No		
						3	12/28/2020	74m3	25/01/2021	**pass**	2020-RC-002665-28	No		
3.2.3	Jumana Bint Abi	International geotech lab	Concrete Mix (Blinding)		boundary wall (bw4) footings-part 2	3	12/30/2020	104.5m3	07/01/2021	**pass**	2020-RC-002527-7	No		

	Taleb Basic Mixed Schoo l						3	12/30/20 20	104.5m3								
						basement footing (RF7)	3	1/5/2021	380m3	12/01/20 21	**pass**	2020-RC-002550-7	No			
							3	1/5/2021	380m3								
						basement wall footing (RF7)	3	1/5/2021	28m3	12/01/20 21	**pass**	2020-RC-002551-7	No			
							3	1/5/2021	28m3								
						Boundary wall (bw4)	3	1/4/2021	40m3	12/01/20 21	**pass**	2020-RC-002549-7	No			
							3	1/4/2021	40m3								
						basement wall	9	1/10/202 1	45m3	19/01/20 21	**pass**	2020-RC-002610-7	No			
							9	1/10/202 1	45m3								
						boundary wall (bw4) blinding	3	12/22/20 20	17m3	**12/31/20 20**	**pass**	2020-RC-002498-7	No	Internatio nal geotech lab		
							3	12/22/20 20	17m3	**1/19/202 1**	**pass**	2020-RC-002609-28	No			
						walls between two levels section (S-11) (3)	3	10/01/20 21	45	1/19/202 1	pass	2020-RC-002610-7	No			

							3	10/01/2021	45						
						Boundary wall bw4 part 2	3	13/1/2021	30	1/21/2021	pass	2020-RC-002632-7	No		
							3	13/1/2021	30						
						Cycolopean concrete behind basement wall	3	13/1/2021	66	1/21/2021	pass	2020-RC-002629-7	No		
							3	13/1/2021	66						
						BW4 (middle part)	3	16/1/2021	19	1/25/2021	pass	2021-RC-002666-7	No		
							3	16/1/2021	19						
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
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.*	Φ10	3	15/12/2020	5 ton	26/12/2020	**pass**	(530103)220/28/24/29689	No	RSS	
					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	Φ12	3	15/12/2020	6	26/12/2020	**pass**	(530103)220/28/24/29689	No		

					National Building Code.												
						Φ14	3	15/12/2020	6	26/12/2020	**pass**	(530103)220/28/24/29689	No				
						Φ16	3	15/12/2020	13	26/12/2020	**pass**	(530103)220/28/24/29689	No				
						Φ18	3	15/12/2020	12	26/12/2020	**pass**	(530103)220/28/24/29689	No				
						Φ20	3	15/12/2020	15	26/12/2020	**pass**	(530103)220/28/24/29689	No				
						Φ25	3	15/12/2020	25	26/12/2020	**pass**	(530103)220/28/24/29689	No				
						Φ12	3	1/7/2021	30	11/01/2021	**pass**	(530103)220/28/24/1160	No	RSS			
						Φ14	3	1/7/2021	14	11/01/2021	**pass**	(530103)220/28/24/1160	No				
						Φ16	3	1/7/2021	15	11/01/2021	**pass**	(530103)220/28/24/1160	No				
						Φ18	3	1/7/2021	20	11/01/2021	**pass**	(530103)220/28/24/1160	No				
	Jumana Bint Abi Taleb Basic Mixed School	RSS	Steel Reinforcement	107-108	**1.25.2.1 Reinforcing:** *Deformed High Strength Steel 420 Mpa.*	Φ10	3	1/7/2021	10	1/16/2021	**pass**	(530103)220/28/24/1544	No	RSS			
					1.25.2.2 Quality Requirements: Steel Reinforcement shall be hot rolled, high strength and high bond.	Φ25	3	1/7/2021	10	1/16/2021	**pass**	(530103)220/28/24/1544	No				

					Grade 420 Mpa complying with requirements of ACI and Jordanian National Building Code.										

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 Tests	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 retardes	110	polyethelene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	1/7/2021	1000 m2	1/12/2021	fail	(530103)220/28/24/1468	removed from the site	RSS	

Masonary 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** *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.*											
			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**
			Terrazo 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*										

			Ceramic 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*											
			Porcelain 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											
			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	**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*											
			Granite Sills	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										

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 ad tubes: (Aluminum) to ASTM B 221, 6061-T6, 6205-75*										
				130-132	**3. AWSD** *1.2 – Aluminum K. Extrude shapes ad tubes: (Aluminum) to ASTM B 221, 6061-T6, 6205-76*										
				130-133	**3. AWSD** *1.2 – Aluminum K. Extrude shapes ad 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 CONTRO**L *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* **3.03 FIELD QUALITY CONTROL:** *b. Testing for compaction density ration under asphalt pavements and under concrete SOG.*										

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 CONTRO**L *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 **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.										
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 , glavanised steel pipe (BS 1387)	pipe thickness , Max working pressure ,	1 samples	Site	ALL						**RSS (Royal Scientific Society)**

						composit material									

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 chlorid (ASTM F 441 Schd-80, o DIN 8079 PN16 and PN 25)	pipe thickness , Max working pressure , composit 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	Unplasticized Polyvinyl Chloride BS 4660, 5481– EN-1401-1:1998	pipe thickness , Max working pressure , composit 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	Polyproplene Pipes	pipe thickness , Max working pressure , composit 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**	**Sample Location**	**Represented Quantity**	**Test Date**	**Test Result (Pass/Fail)**	**Testing Report No.**	**Corrective Action**	**Test Report Location**	**Notes**

							Conducted								
		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, reflectores, 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
			Feeding power cables	16200/25	Power cable 4x150mm2 CU/XLPE/SWA/PVC 4x50+1x25 mm2 CU/XLPE/PVC 4x16+1x16 mm2 CU/XLPE/PVC 4x10+1x10 mm2 CU/XLPE/PVC	Conductor resistance test Resistance to cracking Pressure test at high temperature Resistance to flame propagation	One sample	Site	All						

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	Sample Location	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	Test Report Location	Notes

							Conducted								
			Internal Points External Points	16200/25	Wire for internal lighting,external lighting and sockets (2.5) mm2 PVC wires (4) mm2 PVC wires (6) mm2 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						

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 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 accordance to the**	Excavated Material	1	11/18/2020	8000M3	22/11/2020	**pass**	(530105)220/28/24/26336	No	RSS	

					related specifications in the contract.										
						Excavated Material	1	12/29/2020	6000 m3	4/1/2021	**pass**	(530105)220/28/24/388	No	RSS	
2.2.2			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 .**										

3. Concrete Works

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
3.1.5	Hay al-Iskan	RSS	Water Stop	110	PVC Water Stop, 25 cm width	dimention , Theoretical examination, tension and stretching, and knowledge of the substance	One sample / 3L.M	12/29/2020	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 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	Hay al-Iskan	International center for geotechnical studies	Concrete Cubes	107/112-113	**SOURCE QUALITY CONTROL** *A. Submit 3 certified copies of mill test report of*	Blinding B.W level 111	6	23/12/2020	81	1/2/2021	pass	**2020-RC-002501-7**	No	International Geotech lab	

					supplied concrete reinforcing, indicating physical and chemical analysis.									
							6	23/12/2020	81	1/23/2021	pass	**2021-RC-002642-28**	No	International geotech lab	
					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 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.*	Building and B.W level 110/106.6/105.75	6	26/12/2020	100	1/2/2021	pass	2020-RC-002502-7	No	International geotech lab	
							6	26/12/2020	100	1/23/2021	pass	2021-RC-002643- 28	No	International geotech lab	
3.2.2						Cyclopean part 1	3	28/12/2020	20	09/01/2021	pass	2020-RC-002539-7	No	International geotech lab	

						3	28/12/2020	20	26/01/2021	pass	2021-RC-002677-28	No	International geotech lab	
					Cyclopean part 2	3	29/12/2020	19	09/01/2021	pass	2020-RC-002538-7	No	International geotech lab	
						3	29/12/2020	19	26/01/2021	pass	2021-RC-002678-28	No	International geotech lab	
					Footing of B.W #1&2 part 1	6	29/12/2020	107	09/01/2021	pass	2020-RC-002542-7	No	International geotech lab	
						6	29/12/2020	107	26/01/2021	pass	2021-RC-002679-28	No	International geotech lab	
					Footing of B.W #1&2 part 2	6	31/12/2020	99	09/01/2021	pass	2020-RC-002540-7	No	International geotech lab	
						6	12/31/2020	99						
					Footing of B.W #1 part 3	6	2/1/2021	63	09/01/2021	pass	2020-RC-002541-7	No	International geotech lab	
						6	1/2/2021	63						
3.5.1					Wall of B.W 1&2/part 1	6	5/1/2021	95	12/1/2021	pass	2020-RC-002577-7	No	International geotech lab	
						6	1/5/2021	95						
					Footing of building at 111.00	6	5/1/2021	128	16/01/2021	pass	2020-RC-002587-7	No	International geotech lab	
						6	1/5/2021	128						
					Wall of B.W 1&2/part 2	6	9/1/2021	83	16/1/2021	pass	2020-RC-002589-7	No	International geotech lab	
						6	1/9/2021	83						
					Footing of building at 111.00	3	9/1/2021	87	16/1/2021	pass	2020-RC-002576-7	No	International geotech lab	

							3	1/9/2021	87						
						Footing of building at 110.00	3	9/1/2021	60	16/1/2021	pass	2020-RC-002588-7	No	International geotech lab	
							3	1/9/2021	60						
						Footing of building 106.6 F1	3	12/1/2021	24	19/01/2021	pass	2021-RC-002613-7	No	International geotech lab	
							3	12/1/2021	24						
						Wall B.W1 Part 3	3	12/1/2021	24	19/01/2021	pass	2021-RC-002614-7	No	International geotech lab	
							3	12/1/2021	24						
						Footings of building 106.6	6	1/13/2021	129	23/01/2021	pass	2021-RC-002644-7	No	International geotech lab	
							6	1/13/2021	129						
						boundary wall 1 & 2	3	1/16/2021	35	23/01/2021	pass	2021-RC-002645-7	No	International geotech lab	
							3	1/16/2021	35						
						boundary wall 1 part 2-2	3	1/19/2021	20	26/01/2021	pass	2021-RC-002680-7	No	International geotech lab	
							3	1/19/2021	20						
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			Steel Reinforcement	107-108	**1.25.2.1 Reinforcing:** *Deformed High Strength Steel 420 Mpa.*	Φ10	3	12/27/2020	45	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	

					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.	Φ12	3	12/27/2020	35	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	
						Φ14	3	12/27/2020	35	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	
						Φ16	3	12/27/2020	35	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	
						Φ18	3	12/27/2020	40	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	
						Φ20	3	12/27/2020	40	30/12/2020	**pass**	(530103)220/28/24/1	No	RSS	
						Φ25	3	12/27/2020	7	30/12/2020	**pass**	(530103)220/28/24/1	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 Tests	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
7.4.1	Hay al-Iskan	RSS	Vapor retarders	177	polyethelene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	12/29/2020	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	1/21/2021	—	1/24/2021	pass	(530103)220/28/24/2350	—	RSS	—

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 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
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 backaafilling or not. The excavated material is checked to determine the classification ofv the soil inaccordance to the related specifications in the contract.	Excavated Material	1	11/1/2020	3000 m3	05/11/2020	**Failed**	25104/24/220(530105)	Removing Material from the site	R.S.S	

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
2.1.2	Thahr Al-Sarow		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 .										
3. Concrete Works															
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
3.1.3	Thahr Al-Sarow	RSS	Water Stop	110	PVC Water Stop 25 cm width	dimention , Theoretical examination, tension and stretching, and knowledge of the substance	1	1/19/2021	50 m.l	1/24/2021	fail	(530103)220/28/24/2566	removed from site	RSS	—
Item No.	School Name	Testing Lab	Description of Item	Specification Page No.	Specification Description & Summary	Description of Works to be Tested	No. of Cubes	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
3.2.1	Thahr Al-Sarow	International Center	Concrete Mix (Blinding)	107/112-113	**SOURCE QUALITY CONTROL**	Blinding concrete for	3	15/12/2020	48	23/12/2020	Pass	2020-RC-002437-7	No	international center	

				A. Submit 3 certified copies of mill test report of supplied concrete reinforcing, indicating physical and chemical analysis.	boundary wall	3	15/12/2020	48	12/01/2021	Pass	2020-RC-002437-28	No	international center	
3.2.3	Thahr Al-Sarow	International Center	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 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.*	Reinforcement concrete for boundary wall	6	22/12/2020	102	31/12/2020	Pass	2020-RC-002490-7	No	international center	
						6	22/12/2020	102	19/01/2021	Pass	2021-RC-002619-28	No	international center	
	Thahr Al-Sarow	International Center				3	22/12/2020	102	29/12/2020	Pass	(530103)220/28/24/1874	No	RSS	
						3	22/12/2020	102	19/01/2021	Pass	(530103)220/28/24/1874	No	RSS	

3.2.1	Thahr Al-Sarow	International Center	Concrete Mix (Cyclpean)			Cyclopean concrete and blinding concrete for boundary wall	3	23/12/2020	55	31/12/2020	Pass	2020-RC-002491-7	No	international center	
							3	23/12/2020	55	20/01/2021	Pass	2021-RC-002615-28	No	international center	
						Reinforcement concrete for boundary wall	3	12/28/2020	39	04/01/2021	Pass	2020-RC-002508-7	No	international center	
							3	12/28/2020	39	26/01/2021	Pass	2020-RC-002675-28	No	international center	
						Reinforced boundary wall	3	27/12/2020	33	04/01/2021	Pass	2020-RC-002507-7	No	international center	
							3	27/12/2020	33	26/01/2021	Pass	2020-RC-002673-28	No	international center	
						Reinforced boundary wall	3	12/28/2020	34	04/01/2021	Pass	2020-RC-002509-7	No	international center	
							3	12/28/2020	34						
3.2.3	Thahr Al-Sarow	RSS					3	28/12/2020	34	04/01/2021	Pass	(530103)220/28/24/2369	No	RSS	
							3	28/12/2020	34						
		International Center				Reinforced Corner for boundary walls	3	30/12/2020	24	06/01/2021	Pass	2020-RC-002510-7	No	international center	
							3	30/12/2020	24						
						Reinforced boundary wall	3	31/12/2020	24	07/01/2021	Pass	2020-RC-002511-7	No	international center	
							3	31/12/2020	24						
						Reinforced boundary	3	2/1/2021	30	09/01/2021	Pass	2020-RC-002537-7	No	international center	

				wall and footing	3	2/1/2021	30							
3.2.1	Thahr Al-Sarow	International Center		Blinding concrete	3	5/1/2021	48	19/01/2021	Pass	2021-RC-2616-7		international center		
					3	5/1/2021	48							
3.2.3	Thahr Al-Sarow	International Center		reinforced Concrete for footing	9	9/1/2021	198	16/1/2021	Pass	2020-RC-002590-7	No	international center		
					9	9/1/2021	198							
	Thahr Al-Sarow	International Center		reinforced corner for boundary walls	3	9/1/2021	18	16/1/2021	Pass	2020-RC-002591-7	No	international center		
					3	9/1/2021	18							
	Thahr Al-Sarow	International Center		reinfroced colum and wall for guard home	3	9/1/2021	9	16/1/2021	Pass	2020-RC-002592-7	No	international center		
					3	9/1/2021	9							
	Thahr Al-Sarow	International Center		reinfroced footing	9	12/1/2021	152	19/1/2021	Pass	2021-RC-2617-7	No	international center		
					9	12/1/2021	152							
	Thahr Al-Sarow	International Center		reinforced boundary waall	3	12/1/2021	46	19/1/2021	Pass	2021-RC-2618-7	No	international center		
					3	12/1/2021	46							
				special needs ramp	3	18/01/2021	7	26/01/2021	Pass	2021-RC-2676-7	No	international center		
					3	18/01/2021	7							

						Raft foundation	12	19/01/2021	310	26/01/2021	Pass	2021-RC-2672-7	No	international center	
							12	19/01/2021	310						
						Raft foundation	9	19/01/2021	310	26/01/2021	Pass	2021-RC-2671-7	No	international center	
							9	19/01/2021	310						
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 Date (Pass/ Fail)	Testing Report No.	Corrective Action	laboratory	Notes
3.5.1		RSS	Steel Reinforcement	107-108	**1.25.2.1 Reinforcing:** *Deformed High Strength Steel 420 Mpa.*	Φ10	3		15	9.11.2020	**Fail**	(530103)220/28/24/25446	Removing Material from the site	R.S.S Lab	
					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.	Φ12	3		40	9.11.2021	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab	
						Φ14	3		30	9.11.2022	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab	
						Φ16	3		40	9.11.2023	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab	
						Φ18	3		36	9.11.2024	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab	
						Φ20	3		39	9.11.2025	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab	

						Φ25	3		25	9.11.2026	**Pass**	(530103)220/28/24/25446	No	R.S.S Lab		
			Steel Reinforcement	107-108	**1.25.2.1 Reinforcing:** *Deformed High Strength Steel 420 Mpa.*	Φ10	3	1/21/2021	9	27/01/2021	**Pass**	(530103)220/28/24/25998	No	RSS		
					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.	Φ12										
						Φ14										
						Φ16										
						Φ18										
						Φ20										
						Φ25										
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 Tests	Date of Sample	Represented Quantity	Test Date	Test Result (Pass/Fail)	Testing Report No.	Corrective Action	laboratory	Notes
7.4.1		RSS	Vapor retarders		polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	12/29/2020	600 m2	1/4/2021	fail	(530103)220/28/24/335	—	RSS	—
7.4.1		RSS	Vapor retarders		polyethylene sheets 250 micron	Thickness and the type of material	One sample 2.0m*1.0 m	1/21/2021	1000 m2	1/24/2021	pass	(530103)220/28/24/2349	—	RSS	—

Annex -6-

6.2 Excerpts of Sampling & Testing

SKEP III Schools- Package 2- Number of Laboratory Tests- Status on 31.01.2021					
Tested Materials / School	Excavated Materials	Steel Reinforcement	Concrete Mixes	Water Stop	Vapor Retarder
Jumana Bint Abi Taleb Basic Mixed School	1	2	14, (96 cubes, 84 tested)	0	1
Hai Al- Iskan Basic Mixed School	2	1	17, (156 cubes, 120 tested)	1	1
Thahr Al- Sarow Basic School for Boys	1	2	18, (180 cubes, 111 tested)	1	2
Total	4	5	49	2	4
Failed	1	1*	0	2	1
Passed	3	4	49	0	3
% Failed	25%	20% then 0%	0%	100%	25%
% Passed	75%	80% then100%	100%	0%	75%

- 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:

1- 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.

2- 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).

3- 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.

4- The 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 2/3/2021

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	-	-

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 provuded
#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

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	Thahr Al Sarow Basic school for Boys-Jerash:	-						
2	Jumana Bint Abi Taleb Basic Mixed School-Amman:	-						
3	Hay Al Iskan Basic Mixed School- Jerash:	-						
4								

Annex -9-

Materials Submittals

9.1 Architectural Submittals
9.2 Electrical Submittals
9.3 Mechanical Submittals

- Summary of Submitted Materials

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 copping 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.02	Not Approved
5 Metals					
5.1.1 + 5.1.2	Steel windows screens	Not Mentioned	Yes	REV.02	Approved
5.1.3	Steel cover for under ground water tank	Not Mentioned	NO	NO	
5.1.4	3mm louver steel plate powder coated for under ground water tank	Not Mentioned	NO	NO	
5.1.5	Access panel for under ground 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	NO	NO	
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 under ground water tank and internal water tank	Not Mentioned	NO	NO	
5.2.3	Galvanized steel ladder for under ground 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.01	Revise and resubmit
8.2	Wood Doors and fire rated doors	Not Mentioned	YES- Contractor submitted only door accessories	REV.01	Revise and resubmit
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 .03	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 (Polyster Polyurethane) for playground	Not Mentioned	NO	NO	
9.3.1 9.3.2	Emulsion paint Internal vinyl silk emulsion paint	Jotun Dulux National Paints Sipes Or equivalent	YES	REV.01	SUPPLIER IS APPROVED- contractor has been requested to submit painting colors after submitting the required tiles samples as one color scheme
9.3.3	Non toxic solvent free epoxy polysulfide paint	Not Mentioned	NO	NO	
9.4	Acoustical Suspended Ceilings	The Knauf Group AMF- Ceilings Systems Armstrong- Ceiling Systems Or equivalent	NO	NO	
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 Inda Sonia	NO	NO	
10.2	Rubber Floor Mat	Not Mentioned	NO	NO	
11- EQUIPMENT					

11.1	Playground Equipments	Not Mentioned	NO	NO	
11.2	Laboratory Furnishing	Maani Protech	NO	NO	
11.2.14	Coat Hanger	Not Mentioned	NO	NO	

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	Aprroved (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	Aprroved (Cabelco)
16.8	Wiring Devices and Socket Outlets	- MK (Europe) - MEM (Europe) - Legrand (Europe)	Yes	REV.02	Aprroved
16.9	Disconnect Switch Isolator	- MK (Europe) - ABB (Europe) - Eaton (Europe) - Legrand (Europe)	Yes	REV.01	Aprroved
-	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	Lightin Presence I.R Sensor (PIR)	- MK (Europe) - MEM (Europe) - Legrand (Europe)	No	-	-
16.14	Wall Fans	- Matthews (USA)	No	-	-

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	Aprroved (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	No	-	-
16.21	Program Change Bell System	-	No	-	-
16.22	Audio/Video and Public Address System	- Tao (Japan) - ATEIS (Switzerland) - Bosch (Germany) - Paso (Italy) - Inter- M (Korea)	Yes	REV.02	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 Aprroved
16.24	Intrusion System	- Optima - Bosch - Honeywell - Guardall	No	-	-
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

Mechanical Submittals Summary

Wahib Medanat Consultant Engineers

MATERIAL SUBMITTALS

Mechanical Submiited 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	REV.01	APPROVED AS NOTED
		NIC	contractor should submit UPVC Fittings		
		TERRAIN			
		MARLEY			
		HEPWORTH			
		OSMA			
		OSTENNDROF-NG			
		CONCEPT			
		SAPCO			
		CAFMO			
		COSMOPLAST			
		WORLD PLASTIC			
15.31 & 15.54	Seamless steel pipes	NIPPON	YES	REV.01	APPROVED AS NOTED
		TUBAS			
		DELAMINI			
		PIETRA			
		HEBEI			
		INTERPIPE			
		BRISTOL			
		SILKTUBE			
		SHIELD			
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 VILEROY&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 THG	NO	NO	

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 Acessories	KBE GREENHECK RUSKIN TROX BSB MAT METROPOL AIR TECK	Yes	Rev.01	Revise and Revise

		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
15.31 & 15.54	Rooftop Packaged Units	DAIKEN PETRA SKM PANASONIC MITSUBISHI (MHI) O GENERAL	Yes	REV.01	REVISE & RE-SUBMIT

		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 ARMSTRONG REFLEX EMRA-IMAS	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Double Regulating Valves	CRANE HATTERSLEY T&A OVENTROP HOLMES SHIELD ACASO APE	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Pipe Flexible Connections	MASON MERCER RUBBER KINETICS TOZEN	NO	NO	
15.31 & 15.54	Fire Hose Reel & Portable Fire Extinguisher	NORSEN ANGUS THORN COMBAT NAFFCO SUZHOU BRISTOL FULLBLAZE TOTAL KIDDE NOHA SHIELD	Yes	REV.01	REVISE & RE-SUBMIT
15.31 & 15.54	Galvanized Sheet Metal	NIPPON SUMITOMO SABIC	Yes	REV.02	Rejected
	Boiler	HURST	YES	REV.01	REVISE & RE-SUBMIT

15.31 & 15.54		HOVAL LOOS VIESSMAN CLEARVER BROOKS WELLMAN ROBEY BURNHAM DE-DIETRICH CHAPEE SAINT ROCH BIASI IVAR BUDARAES			
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 HOLMES PIPEX AQUAPIPE	NO	NO	
15.31 & 15.54	Cross Linked Polyethylene (XLPE)	UPONOR LK REHAU HENCO OVENTROP FORNARA	Yes	REV.03	APPROVED AS NOTED

		APE			
15.31 & 15.54	PEX PIPE FITTING	GIACOMINI EMMETI LUXOR OVENTROP FORNARA APE	Yes	REV.02	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.01	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	PolyProplene 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	NO	NO	
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	Under Review

Summary of Submitted Materials

Wahib Medanat Consultant Engineers

SUMMARY OF SUBMITTED MATERIAL	
ELECTRICAL SUBMITTALS	
Total No. of Materials to be Submitted =	**27**
Total No. of Submitted Material =	**21**
Percentage of Approved Submitted Material =	**61.9%**
Percentage of Rejected Submitted Material =	**4.8%**
Percentage of (Revise & Re-Submit) Material =	**33.3%**
MECHANICAL SUBMITTALS	
Total No. of Materials to be Submitted =	**45**
Total No. of Submitted Material =	**24**
Percentage of Approved Submitted Material =	**12.5%**
Percentage of Rejected Submitted Material =	**4.2%**
Percentage of (Revise & Re-Submit) Material =	**83.3%**
ARCHITECTURAL SUBMITTALS	
Total No. of Materials to be Submitted =	**41**
Total No. of Submitted Material =	**13**
Percentage of Approved Submitted Material =	**69.2%**
Percentage of Rejected Submitted Material =	**23.1%**
Percentage of (Revise & Re-Submit) Material =	**7.7%**

Annex -10-

Obstacles log
(Site Obstacles)

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 1: Obstacle)

List of Tables and Figures

Tables

Table 1.	Main Progress Information	
Table 2.	Coordination & Progress Meetings	
Table 3.	Site Visits	
Table 4.	Official Letters	
Table 5.	Submittals Log- Shop Drawings	
Table 6.	Submittals Log- Materials Submittals	
Table 7.	Lab-Tests Results Log	
Table 8.	Demolition Log	
Table 9.	Grid 3x3 Inspection Report	
Table 10.	Progress Table	
Table 11-1.	Daily Plant & Equipment Log- Thahr Al Sarow Basic School for Boys	
Table 11-2.	Daily Plant & Equipment Log- Jumana Bint Abi Taleb Basic Mixed School	
Table 11-3.	Daily Plant & Equipment Log- Hay Al Iskan Basic Mixed School	
Table 11-3.	Daily Plant & Equipment Log- Hay Al Iskan Basic Mixed School	
Table 12-1.	Daily Manpower Log- Thahr Al Sarow Basic School for Boys	
Table 12-2.	Daily Manpower Log- Jumana Bint Abi Taleb Basic Mixed School	
Table 12-3.	Daily Manpower Log- Hay Al Iskan Basic Mixed School	
Table 13-1.	Percentage of Completion Thahr Al Sarow Basic School for Boys	

Table 13-2. Percentage of Completion Jumana Bint Abi Taleb Basic Mixed School	
Table 13-3. Percentage of Completion Hay Al Iskan Basic Mixed School	
Table 14. Log of Activities	
Table 15. Cash-Flow	

Figures

Figure 2-1. Daily Manpower Log- Thahr Al Sarow Basic School for Boys	
Figure 2-2. Daily Manpower Log- Jumana Bint Abi Taleb Basic Mixed School	
Figure 2-3. Daily Manpower Log- Hay Al Iskan Basic Mixed School	
Figure 3. Percentage of Completion- Thahr Al Sarow Basic School for Boys	
Figure 4. Percentage of Completion (Cumulative) Thahr Al Sarow Basic School for Boys	
Figure 5. Percentage of Completion- Jumana Bint Abi Taleb Basic Mixed School	
Figure 6. Percentage of Completion (Cumulative) Jumana Bint Abi Taleb Basic Mixed School	
Figure 7. Percentage of Completion – Hai Al Iskan Basic Mixed School	
Figure 8. Percentage of Completion (Cumulative) Hai Al Iskan Basic Mixed School	
Figure 9. Percentage of Completion (Cumulative Progress)- SKEP III Schools	
Figure 10. Cash-Flow Chart	