

**SUBMISSION of TEST RESULTS**



**Green Line**

<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>	
El Daba		EGYPT STONE		SGAC	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Designation</b>	
	م. محمد النجار				
<b>Contractor Reference</b>					Revision 00
<b>Received by ER</b>	<b>Name</b>	<b>Sign</b>	<b>TRF</b>	<b>DD</b>	<b>MM</b>

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test</b>	Compression tests at cubes from st (443+760 TO 443+860) for Slope protection at right side			
<b>Location of Test</b>	CELL LAB			
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	Compression test 6 concrete cubes at 7 day			
2				
3				
4				
5				

<b>Comments by: SGAC</b> <i>m. Adel</i>	<b>Comments by: SYSTRA</b>
<i>the test Result is APPROVED</i>	<ul style="list-style-type: none"> <li>1- Contractor and his consultant have to fullfill survey comment before handing over</li> <li>2- Contractor didn't finish weep holes pipes ,cutting and sealing joints</li> <li>3- All test are performed by cell lab and contractor consultant under there Responsibility</li> </ul>

**APPROVAL STATUS**

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م. محمد النجار			
QA/QC	م / محمود عادل			
GARB *	م / مصطفى نجم			
Employers Representative			18.10.23	A

\* Alignment / Bridges: Culvert Only

A= Approved; AWC= Approved with Comments; R= Rejected

Company Name : Egypt Stone  
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
Report Date : 12-08-2023  
Report No : 80  
Location : Slope Protection Right

## COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C280/350 OPC

Date of Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density	Load (K.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
						(gm/cm <sup>3</sup> )				
13-7-2023	10-8-2023	28	St. (441+700) : (441+808) , St. (443+760) : (443+860)	8198	8249	2.44	1082	490	456	163
				8301			867	393		
				8248			1072	486		
				8260	828	375				
				8438	1088	493				
				8372	1027	465				

Note: تم توريد الكمية بواسطة العميل والمعمل غير مسؤول عن جودة المواد المستخدمة

Signature /

المهندس /

3 El Malek El Afdal Street

Zamalek, Cairo.

Tel. & Fax : 27367231 - 27363093



شركة الملك الافضل  
الزمامكة - القاهرة  
تليفون + فاكس : 27367231 - 27363093  
www.cel-egypt.com

Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 21-07-2023  
 Report No : 43  
 Location : Slop Protection Right

COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C280/350 OPC

Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density		Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
						(gm/cm <sup>3</sup> )					
14-7-2023	21-7-2023	7	St. (443+760) : (443+860) ; St. (443+860) : (444+000)	7688	7831	2.32		670	304	298	107
				7924				655	297		
				7882				650	294		
				7878	696	315					
				8110	698	316					
				7981	665	301					

Note: تم توريد الكسحات بواسطة العميل والمعمل غير مسؤول عن كفاءة الكسحات المستخدمة في الموقع

Signature : 3 El Malek El Ahdal Street  
 Zamzouk, Cairo,  
 Tel. & Fax : 27367231 - 27363093



**SUBMISSION of TEST RESULTS**



**Green Line**

<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>	
El Daba		EGYPT STONE		SGAC	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Designation</b>	
	م. محمد النجار				
<b>Contractor Reference</b>					Revision 00
<b>Received by ER</b>	<b>Name</b>	<b>Sign</b>	<b>TRF</b>	<b>DD</b>	<b>MM</b>
				13	10
				<b>YY</b>	<b>HH</b>
				23	4
				<b>MM</b>	

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test</b>	Compression tests at cubes from st (443+760 TO 443+860) for Slope protection at right side.			
<b>Location of Test</b>	CELL LAB			
<b>Item</b>	<b>Specification</b>	<b>Test Requirement</b>	<b>Test Result Attachment</b>	<b>Remarks</b>
1	Compression test 6 concrete cubes at 28 day	25 = 20kN	456	Pass
2		25 = 22kN	401	Pass
3				
4				
5				

<b>Comments by: SGAC</b>	<b>Comments by: SYSTRA</b>
The test result is APPROVED	<ul style="list-style-type: none"> <li>1- Contractor and his consultant have to fulfill survey comment before handing over</li> <li>2- Contractor didn't finish weep holes pipes ,cutting and sealing joints</li> <li>3- All test are performed by cell lab and contractor consultant under there Responsibility</li> </ul>

**APPROVAL STATUS**

<b>Organisation</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>A-AWC-R</b>
Contractor	م. محمد النجار			A
QA/QC	م / محمود عادل			A
GARB *	م / مصطفى نجم			A
Employers Representative			13/10/23	A

\* Alignment / Bridges: Culvert Only

A= Approved; AWC= Approved with Comments; R= Rejected

SUBMISSION of  
TEST RESULTS



Location Name		Contractor Company		Designer Company	
ELDABAA		EGYPT STONE		SGAC	
Issued by Contractor	Name	Sign	Date	Time	
	ما محمد النجار				
Contractor Reference				Revision	
Received by ER		STR	KT	EN	MS
			DD	MM	YY
			31	8	23
			HH	MM	
			12	00	

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials	Trial mix slope protection				
Location of Test	cell laboratory				
Item	Specification	Test Requirement	Test Result Attachment	Remarks	
1	Compression test 6 concrete cubes at 7 day	250 KJ/cm <sup>2</sup>	267 KJ/cm <sup>2</sup>		
2	Compression test 6 concrete cubes at 28 day	250 KJ/cm <sup>2</sup>	312 KJ/cm <sup>2</sup>		
3					
4					
5					

Comments by:	Comments by:

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	ما محمد النجار			
Designer				
GARB *				
Employers Representative			31/8/2023	A

\* Alignment / Bridges: Culvert Only      A= Approved; AWC= Approved with Comments; R= Rejected



Location Name		Contractor Company		Designer Company	
EET- EL ALAMIN &ELDABAA					
Contractor ISSUED	Name	Sign	Date	Designation	
	محمد النجار	محمد النجار			
Contractor Reference				Revision	
Designer RECEIPT	Name	Sign	Date	Designation	
	M. Negm	[Signature]	20/12/20		
Designer Reference				Revision	

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW**

Item	Document No	Revision	Title	Number of Sheets
①	calibration certificate		prequalification of UNI MIX batch plant	
②	Design mix			
1				
2				
3				
4				

Designer Comments:

Designer REPLY	Name	Sign	Date	Designation

ER RECEIPT	Name	Sign	Designation							
	محمد جمال	[Signature]	Sewer & Alce							
Note: Response to Contractor shall be by Letter with Any comments attached		ER Document No:	CU	CU	CU	DD	MM	YY	HH	MM
CODE: S to S Station Reference	CODE: D to D Depot Reference	CODE: K to K For Kilometer point only	CODE: T Work Activity		CODE: F Sub-Firm of Authority					

AWC

Company Name : Egypt Stone  
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
Report Date : 20-07-2023  
Report No : 42  
Location : Slop Protection

COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C 400/420 OPC

Date of Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %			
13-7-2023		7	St. (443+760) : (443+860) Right, Sl.(441+700) : (441+808) Right	8366	8385	2.48	871	395	401	100			
				8210			898	407					
				8578			887	402					
								8405	8279	2.45	970	439	436
								8232			996	451	
								8199			920	417	

Note: تم تزويد العينات بواسطة العميل والمعمل على مسئوليتهم الخاصة بالبيانات الواردة في هذا التقرير

Signature/التوقيع

CEL  
مكتب استشارات والابحاث الهندسية  
الاساسي  
210-051-007  
210-051-007

3 El Masek El Afdal Street  
Zamalek, Cairo.  
Tel. & Fax : 27367231 - 27363093



رقم الترخيص 141  
التراخيص - الترخيص  
141 - 141  
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www.cel-egypt.com

Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 11-08-2023  
 Report No : 65  
 Location : Slope Protection Right

**COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS**

Mix ID : C280/350 OPC

Casting	Date of Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (K.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
14-7-2023	11-8-2023	28		8237	8162	2.42	898	407	401	143
				8168			882	400		
				8081			878	398		
14-7-2023	11-8-2023	28		8237	8162	2.42	888	402	397	142
				8168			868	393		
				8081			872	395		

Note: تم تزويد العينات بواسطة العميل والمختبر مع بطاقة اختبارية تحتوي على كافة المعلومات المطلوبة.

Signature / 





7/13/2023 10:57:49 AM  
 230Y1100001-029  
 9000001849  
 7/13/2023 10:57:49 AM  
 1280/350/OPC/Fiber/ST  
 (WAT: 731)  
 4  
 06:20

Material Code	Material Name	Unit	Target m³	Target Theor.	Target Cost	Actual	Manual	Difference	Deviation %	Moss %	Acc %	Exlating Water
2300000056	SAND 1.4	1A01 kg	400	6400	6400.0	6405.0	0.0	5.0	0.08%	0.0%	0.0%	+0.0
1000000055	SLABD DC	1A02 kg	408	3584	3984.0	3977.0	0.0	-7.0	-0.18%	0.0%	0.0%	+0.0
1000000419	SLABD WS D1 A03 kg	514	4704	4704.0	4703.0	0.0	-1.0	-0.02%	0.0%	0.0%	+0.0	
<b>Aggregate 1 Total</b>			<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15163.0</b>	<b>0.0</b>	<b>-5.0</b>	<b>-0.03%</b>	<b>--</b>	<b>--</b>	<b>+0.0</b>
1000000058	OPC CEMENT	1B03 kg	355.0	2800.0	2775.0	2811.0	0.0	11.0	0.39%			
<b>Cement Total</b>			<b>355.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2811.0</b>	<b>0.0</b>	<b>11.0</b>	<b>0.39%</b>			
0010000052	WATER	1C01 kg	150.0	1200.0	1200.0	1201.0	0.0	1.0	0.08%			
<b>Water Total</b>			<b>150.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>1201.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.08%</b>			
1000000383	FAIN	1D01 kg	5.000	40.000	40.000	40.000	0.000	0.000	0.00%			+0.0
<b>Additives Total</b>			<b>5.000</b>	<b>40.000</b>	<b>40.000</b>	<b>40.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.00%</b>			
<b>Production Total</b>			<b>1841.0</b>	<b>19208.0</b>	<b>19208.0</b>	<b>19215.0</b>	<b>0.0</b>	<b>7.0</b>	<b>0.04%</b>			

cohesion (kN/m³): 2.1 Water/Cement Ratio (theor): 0.429 Water/Cement Ratio (act): 0.427 Total Produced Concrete (kg) 19215  
 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C  
 e-Batch Concrete Client v4.0.1.0 ©1987-2023 Dedoussis Eng.Srltd



23/07/2023 08:55:52  
 2307110001-026  
 9000021849  
 C280/350/140/210/280/350  
 9000021849  
 (VNT: 5256)

Batch: 10001  
 Date: 23/07/2023  
 Time: 06:32

Material Code	Material Name	Unit	Target	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist %	Abs %	Existing Water
10000001	PORTLAND CEMENT I 42.5	kg	350.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%	0.0	0.0	0.0
10000002	PORTLAND CEMENT II 42.5	kg	498.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%	0.0	0.0	0.0
10000003	CEMENT III 42.5	kg	598.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%	0.0	0.0	0.0
<b>Aggregate 1</b>	<b>Total</b>	<b>kg</b>	<b>1896.0</b>	<b>15158.0</b>	<b>15168.0</b>	<b>15143.0</b>	<b>0.0</b>	<b>-25.0</b>	<b>-0.13%</b>	<b>--</b>	<b>--</b>	<b>+0.0</b>
10000004	OPC CEMENT	kg	350.0	2800.0	2773.6	2809.0	0.0	9.0	0.32%	0.0	0.0	0.0
<b>Cement</b>	<b>Total</b>	<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2809.0</b>	<b>0.0</b>	<b>9.0</b>	<b>0.32%</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
10000005	FWATER	kg	150.0	1200.0	1200.0	1201.0	0.0	1.0	0.08%	0.0	0.0	0.0
<b>Water</b>	<b>Total</b>	<b>kg</b>	<b>150.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>1201.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.08%</b>	<b>0.0</b>	<b>0.0</b>	<b>+0.0</b>
10000006	ADOLPHIN	kg	5.0001	40.0001	40.0001	40.0001	0.0001	-0.0001	-0.00%	0.0	0.0	+0.01
<b>Additives</b>	<b>Total</b>	<b>kg</b>	<b>5.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>0.0001</b>	<b>-0.0001</b>	<b>-0.00%</b>	<b>0.0</b>	<b>0.0</b>	<b>+0.01</b>
<b>Production Total</b>	<b>Total</b>	<b>kg</b>	<b>2401.0</b>	<b>19208.0</b>	<b>19209.0</b>	<b>19198.0</b>	<b>0.0</b>	<b>-10.0</b>	<b>-0.05%</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Concrete (w/c): 1.5 Water/Cement Ratio (Var. 0.429) Water/Cement Ratio (Act.): 0.428 Total Produced Concrete (kg) 19198  
 Ambient Temperature during mix: 20.00 °C







Production [23071200001-004] of Factory 1

UNIMIX

Date and Time of Printout: 13/07/2023 - 10:17:37

Production Date: 13/07/2023 10:10:13 Start Time: 13/07/2023 10:10:20 Finish Time: 13/07/2023 10:18:12

Production: 23071200001-004 ERP ID: 12000040575 Status: COMPLETED

RecipeCode: 9000001849 Recipe Name: C280/350/OPC/Fiber/HR Cabin (m<sup>3</sup>): 8.00

For Customer: (Customer Name) (VAT: 48)

Truck: 2M206 Driver: (Driver Name) (VAT: 3709)

Cycles: 5 Production time: 07:09

Material Code	Material Name	Target m <sup>3</sup>	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist. %	Abs. %	Existing Water	Absorbed Water
10000000561	SAMP 1.5	800	6400	6400.0	6328.0	0.0	-72.0	-1.12%	0.0%	0.0%	+0.0	-0.0
10000004191	Almain Wg D1	655	5240	5240.0	5237.0	0.0	-3.0	-0.06%	0.0%	0.0%	+0.0	-0.0
10000000551	LAMIN D2	435	3640	3640.0	3647.0	0.0	7.0	0.19%	0.0%	0.0%	+0.0	-0.0
<b>Aggregate 1</b>	<b>Total</b>	<b>1910</b>	<b>15280</b>	<b>15280.0</b>	<b>15212.0</b>	<b>0.0</b>	<b>-68.0</b>	<b>-0.45%</b>	<b>--</b>	<b>--</b>	<b>+0.0</b>	<b>+0.0</b>
10000000103	CEMENT	350.0	2800.0	2802.0	2800.0	0.0	0.0	0.00%				
<b>Cement</b>	<b>Total</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>				
10000000521	WATER	155.0	1240.0	1240.0	1240.0	0.0	0.0	0.00%				
<b>Water</b>	<b>Total</b>	<b>155.0</b>	<b>1240.0</b>	<b>1240.0</b>	<b>1240.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>				
10000000211	RTIN	6.000	48.000	48.000	48.030	0.000	0.030	0.06%				
<b>Additives</b>	<b>Total</b>	<b>6.000</b>	<b>48.000</b>	<b>48.000</b>	<b>48.030</b>	<b>0.000</b>	<b>0.030</b>	<b>0.06%</b>				
<b>Production Total</b>	<b>kg</b>	<b>2421.0</b>	<b>19368.0</b>	<b>19368.0</b>	<b>19300.0</b>	<b>0.0</b>	<b>-68.0</b>	<b>-0.35%</b>				

Conasion (kw/m<sup>3</sup>): 5.5 Water/Cement Ratio (Tar): 0.443 Water/ Cement Ratio (Act.): 0.443 Total Produced Concrete (kg) 19300

Applent Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C



13/07/2023 12:57:33  
 13/07/2023 12:57:33  
 1290/350/070 FOLLOWER/13  
 1290/350/070 FOLLOWER/13  
 (VMT: 31051)  
 09/47

Material Code	Material Name	Unit	Target	Target Theor	Target Cost	Actual	Manual	Difference	Variance %	Moist %	Wet %	Excessing
Aggregate 1	Total	kg	1896	15168	15168.0	15237.0	0.0	69.0	0.45%	--	--	+0.0
1000000001000 CEMENT	1804 kg		350.0	2000.0	2797.0	2803.0	0.0	3.0	0.11%			
Cement	Total	kg	350.0	2000.0	2800.0	2803.0	0.0	3.0	0.11%			
10000000521000 WATER	1501 kg		150.0	1200.0	1200.0	1200.0	0.0	0.0	0.00%			
Water	Total	kg	150.0	1200.0	1200.0	1200.0	0.0	0.0	0.00%			
100000010031000	1001 kg		5.000	40.000	40.000	40.000	0.000	0.000	0.00%			+0.0
Additives	Total	kg	5.000	40.000	40.000	40.000	0.000	0.000	0.00%			
Production Total	kg		2401.0	19208.0	19208.0	119280.0	0.0	72.0	0.37%			

Water/Cement Ratio (Tar.) 0.429 Water/ Cement Ratio (Act.) 0.428 Total Produced Concrete (kg) 19280  
 Absolute Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C













**Green Line**

<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>	
El Daba		EGYPT STONE		SGAC	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Designation</b>	
	م. محمد النجار				
<b>Contractor Reference</b>				Revision 00	
<b>Received by ER</b>	<b>Name</b>	<b>Sign</b>	<b>TRF</b>	<b>DD</b>	<b>MM</b>

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test</b>	Compression tests at cubes from st (443+652 TO 443+764) for Slope protection - at right side
<b>Location of Test</b>	Cell lab

Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	Compression test 6 concrete cubes at 7 day			
2				
3				
4				
5				

<p>Comments by: SGAC <i>M. Abdel</i></p> <p><i>the test Result is APPROVED</i></p>	<p>Comments by: SYSTRA</p> <ol style="list-style-type: none"> <li>Contractor and his consultant have to full fill survey comment before handing over</li> <li>Contractor didn't finish weep holes pipes ,cutting and sealing joints</li> <li>All test are performed by cell lab and contractor consultant under there Responsibility</li> </ol>
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**APPROVAL STATUS**

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م. محمد النجار			
QA/QC	م / محمود عادل			
GARB *	م / مصطفى نجم			
Employers Representative			18-10-22	A

\* Alignment / Bridges: Culvert Only      A= Approved; AWC= Approved with Comments; R= Rejected





Company Name : Egypt Stone  
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
Report Date : 27-06-2023  
Report No : 366  
Location : Slop Protection Left

## COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C 250/350 OPC

Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density		Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
						(gm/cm <sup>3</sup> )					
20-6-2023	27-6-2023	7	St. (443+552) :(443+652), St. (443+652): (443+764)	8236	7996	2.37	490	500	227	226	91
				7835				508	230		
				7916				490	222		
				8019	511	231					
				7930	503	228					
				8113	488	221					

Note: تم تزويد العينات بواسطة العميل والمختبر غير مسئول عن سلامة العينات التي تم تزويدنا بها  
مكتب استشارات ومختبرات  
3 El Malek El Afdal Street  
Zamalek, Cairo.  
Tel. & Fax : 27367231 - 27363093

Signature

**SUBMISSION of TEST RESULTS**



**Green Line**

<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>	
El Daba		EGYPT STONE		SGAC	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Designation</b>	
	م/محمد النجار				
<b>Contractor Reference</b>					<b>Revision 00</b>
<b>Received by ER</b>	<b>Name</b>	<b>Sign</b>	<b>TRF</b>	<b>DD</b>	<b>MM</b>

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test</b>	Compression tests at cubes from st (443+652 TO 443+764) for Slope protection at right side			
<b>Location of Test</b>	Cell lab			
<b>Item</b>	<b>Specification</b>	<b>Test Requirement</b>	<b>Test Result Attachment</b>	<b>Remarks</b>
1	Compression test 6 concrete cubes at 28day			
2				
3				
4				
5				

<b>Comments by: SGAC</b> <i>m.p.dcb</i>	<b>Comments by: SYSTRA</b>
<i>the test Result is APPROVED</i>	<ul style="list-style-type: none"> <li>1- Contractor and his consultant have to full fill survey comment before handing over</li> <li>2- Contractor didn't finish weep holes pipes ,cutting and sealing joints</li> <li>3- All test are performed by cell lab and contractor consultant under there Responsibility</li> </ul>

**APPROVAL STATUS**

<b>Organisation</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>A-AWC-R</b>
Contractor	م/محمد النجار			
QA/QC	م/محمود عادل	<i>m.p.dcb</i>		
GARB *	م/مصطفى نجم			
Employers Representative	<i>Mohamed El-Nagar</i>		18-10-23	A

\* Alignment / Bridges: Culvert Only

A= Approved; AWC= Approved with Comments; R= Rejected

Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 17-07-2023  
 Report No : 369  
 Location : Slop Protection Right

COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C 250/350 OPC

Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density		Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
						(gm/cm <sup>3</sup> )					
19-6-2023		28	St. (443+552) :(443+652) , St. (443+652) : (443+764)	8182	8127	2.41		638	289	294	147
				8076				602			
				8122				705			
				7887	690	313					
				7708	7902	2.34		683	309	303	152
				8111				635	288		

Note: تم تزويد السجلات بواسطة العميل والمختبر عبر البريد الإلكتروني  
 CEL  
 م. مصطفى جاد  
 1510-091 - 888 800000000  
 1510-091 - 888 800000000

Signature

Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 18-07-2023  
 Report No : 370  
 Location : Slop Protection Left

**COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS**

Mix ID : C 250/350 OPC

Casting	Date of Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density		Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
						(gm/cm <sup>3</sup> )					
20-6-2023	18-7-2023	28	St. (443+552) :(443+652) , St. (443+652) : (443+764)	8209	8069	2.39		654	301	281	141
				7919				628	284		
				8080				645	292		
				7876	606	275					
				8318	593	269					
				7946	662	300					

Note: تم توريد الكتل بواحدة الجمل والى غير الجمل

Signature / 

3 El Malek El Afdal Street  
 Zamalek, Cairo.  
 Tel. & Fax : 27367131 - 27363095



شركة المملك الافيض  
 الزمالة - القاهرة  
 تلفون + فاكس : 27367131 - 27363095  
 www.cefl-egypt.com

Date: 19/06/2023 12:11:01 PM  
 Start Time: 19/06/2023 12:10:49 PM  
 End Time: 19/06/2023 12:28:29 PM  
 Project: 23061800001-0241  
 Status: COMPLETED  
 Material Code: 9000002849  
 Material Name: C280/350/OPC/PLBET/MSR  
 (WAT: 1000273)  
 Truck: TM157  
 Driver: 371  
 Plate No: 3500  
 (WAT: 1931)  
 System: 4  
 Production Time: 06:35

Material Code	Material Name	Unit	Target m	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist %	Adj %	Est. string
1000000054	SAND L.6	kg	790	6320	6320.0	6301.0	0.0	-13.0	-0.21%	0.0%	0.0%	+0.01
1000000055	Alamin D2	kg	743	4344	4344.0	4326.0	0.0	-3.0	-0.12%	0.0%	0.0%	+0.01
1000000041	Alamin WH D11A031kg	kg	563	4504	4504.0	4506.0	0.0	2.0	0.04%	0.0%	0.0%	+0.01
<b>Aggregate 1</b>	<b>Total</b>	<b>kg</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15152.0</b>	<b>0.0</b>	<b>-16.0</b>	<b>-0.11%</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
1000000000	OPC CEMENT	kg	350.0	2800.0	2810.0	2797.0	0.0	-3.0	-0.11%			
<b>Cement</b>	<b>Total</b>	<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2797.0</b>	<b>0.0</b>	<b>-3.0</b>	<b>-0.11%</b>			
1000000005	WATER	kg	170.0	1360.0	1360.0	1361.0	0.0	1.0	0.07%			
<b>Water</b>	<b>Total</b>	<b>kg</b>	<b>170.0</b>	<b>1360.0</b>	<b>1360.0</b>	<b>1361.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.07%</b>			
1000000381	ADDM	kg	5.2501	42.0001	42.0001	42.0001	0.0001	0.0001	0.00%			+0.01
<b>Additives</b>	<b>Total</b>	<b>kg</b>	<b>5.2501</b>	<b>42.0001</b>	<b>42.0001</b>	<b>42.0001</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.00%</b>			<b>+0.01</b>
<b>Production Total</b>	<b>kg</b>	<b>2421.2</b>	<b>19370.0</b>	<b>19370.0</b>	<b>19352.0</b>	<b>0.0</b>	<b>-18.0</b>	<b>-0.09%</b>				
Cohesion (kw/m <sup>2</sup> ): 0.0 Water/Cement Ratio (Var.): 0.486 Water/Cement Ratio (Act.): 0.487 Total Produced Concrete (kg): 19352 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C												



Date: 19/06/2023 09:10:51 AM  
 Production Date: 19/06/2023 09:10:59 AM  
 Location: 23061800001-018  
 Batch: 9000002849  
 Material Name: C280/350/OPC/Slab/MS  
 Target: 4 Production Time: 06:34  
 Actual: 19303  
 Deviation: 15.0  
 Moisture: 0.08%  
 Absorption: 0.01%  
 Existing Water: +0.01

Material Code	Material Name	Unit	Target	Actual	Mensual	Difference	Deviation	Moist	Abs	Existing Water
1000000000	SAND 1.6	kg	790	8320.0	0.0	4.0	0.05%	0.0%	0.0%	+0.0
1000000005	Alamin D2	kg	543	4344.0	0.0	5.0	0.12%	0.0%	0.0%	+0.0
1000000004	Alamin D1	kg	563	4504.0	0.0	-2.0	-0.04%	0.0%	0.0%	+0.0
<b>Aggregate 1</b>	<b>Total</b>	<b>kg</b>	<b>1896</b>	<b>15168.0</b>	<b>0.0</b>	<b>7.0</b>	<b>0.05%</b>	<b>--</b>	<b>--</b>	<b>+0.0</b>
1000000000	OPC CEMENT	kg	350.0	2800.0	0.0	7.0	0.25%			
<b>Cement</b>	<b>Total</b>	<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>0.0</b>	<b>7.0</b>	<b>0.25%</b>			
1000000002	WATER	kg	160.0	1280.0	0.0	1.0	0.08%			
<b>Water</b>	<b>Total</b>	<b>kg</b>	<b>160.0</b>	<b>1280.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.08%</b>			
1000000363	R4PN	kg	5.000	40.000	0.000	0.000	0.00%			+0.0
<b>Additives</b>	<b>Total</b>	<b>kg</b>	<b>5.000</b>	<b>40.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.00%</b>			<b>+0.0</b>
<b>Production Total</b>	<b>kg</b>	<b>2411.0</b>	<b>19288.0</b>	<b>19303.0</b>	<b>0.0</b>	<b>15.0</b>	<b>0.08%</b>			

Cohesion (kw/m<sup>3</sup>): 1.0  
 Water/Cement Ratio (Tar.): 0.457  
 Water/Cement Ratio (Act.): 0.456  
 Total Produced Concrete (kg): 19303  
 Ambient Temperature during mix: 20.00 °C  
 Mixture Temperature during mix: 20.00 °C

Date: 19/06/2023 10:45:24  
 Production Start: 19/06/2023 10:38:47 AM Finish Time: 19/06/2023 10:46:05 AM  
 Production Target: 19/06/2023 10:38:40 AM Start Time: 19/06/2023 10:38:47 AM Finish Time: 19/06/2023 10:46:05 AM  
 Production Line: 23051800001-021 Mfg. No: 12000040032  
 Machine Code: 9000002849 Machine Name: C280/350/OPC/Fiber/38T  
 For Customer: 23051800001-021  
 Truck: 23056 Driver: محمد العربي  
 Cycle: 4 Production time: 06:30 (VAT: 5413)

Material Code	Material Name	III	II	Target m <sup>3</sup>	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist. %	Abs. %	Existing Water
10030000056	ISAND 1.6	A01	kg	790	6320	6320.0	6327.0	0.0	7.0	0.11%	0.0%	0.0%	+0.01
10030000055	FLANDR D2	A02	kg	543	4344	4344.0	4347.0	0.0	3.0	0.07%	0.0%	0.0%	+0.01
10030000419	FLANDR VM D3	A03	kg	563	4504	4504.0	4507.0	0.0	3.0	0.07%	0.0%	0.0%	+0.01
<b>Aggregate 1 Total</b>			<b>kg</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15179.0</b>	<b>0.0</b>	<b>11.0</b>	<b>0.07%</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
10000000001	OPC CEMENT	B03	kg	350.0	2800.0	2766.0	2810.0	0.0	10.0	0.36%			
<b>Cement Total</b>			<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2806.0</b>	<b>2810.0</b>	<b>0.0</b>	<b>10.0</b>	<b>0.36%</b>			
10000000052	WATER	C01	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
<b>Water Total</b>			<b>kg</b>	<b>160.0</b>	<b>1280.0</b>	<b>1280.0</b>	<b>1281.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.08%</b>			
1000000183	ADITM	D01	kg	5.000	40.000	40.000	40.000	0.000	0.000	0.00%			+0.01
<b>Additives Total</b>			<b>kg</b>	<b>5.000</b>	<b>40.000</b>	<b>40.000</b>	<b>40.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.00%</b>			<b>+0.01</b>
<b>Production Total</b>			<b>kg</b>	<b>2411.0</b>	<b>19288.0</b>	<b>19288.0</b>	<b>19310.0</b>	<b>0.0</b>	<b>22.0</b>	<b>0.11%</b>			

Cohesion (kw/m<sup>3</sup>): 1.7 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19310  
 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C







Production [23061800001-019] of Factory 1

Date: 19/06/2023 9:45:05  
 Production Date: 19/06/2023 9:38:13 AM Start Time: 19/06/2023 9:38:19 AM End Time: 19/06/2023 9:45:47 AM  
 Production Code: 23061800001-019 BUA ID: 12000040032  
 Machine Code: 9000001849 Machine Name: C280/350/QPC/Fiber/HSR  
 for Customer: Alamin Mfr (VAT: 3875)  
 Liquid: 3M200 Driver: 15000000000 (VAT: 1000273)  
 System: 4 Production Time: 06:40

Material Code	Material Name	III/II	Target m <sup>3</sup>	Target Theor.	Target Cost.	Actual	Manual	Difference	Deviation %	Mois %	Abs. %	Existing Water
1000000056	3AND 1.6	1A01	790	6320	6320.0	6314.0	0.0	-1.0	-0.02%	0.0%	0.0%	+0.0
1000000055	Alamin 5/2	1A02	543	4344	4344.0	4345.0	0.0	5.0	0.12%	0.0%	0.0%	+0.0
1000000419	Alamin Mfr 011A01	1A03	563	4504	4504.0	4497.0	0.0	-7.0	-0.16%	0.0%	0.0%	+0.0
<b>Aggregate 1</b>	<b>Total</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15165.0</b>	<b>0.0</b>	<b>-3.0</b>	<b>-0.02%</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
1000000000	OPC CEMENT	1B01	350.0	2800.0	2775.0	2811.0	0.0	11.0	0.39%			
<b>Cement</b>	<b>Total</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2811.0</b>	<b>0.0</b>	<b>11.0</b>	<b>0.39%</b>				
1000000052	WATER	1C01	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
<b>Water</b>	<b>Total</b>	<b>160.0</b>	<b>1280.0</b>	<b>1280.0</b>	<b>1281.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.08%</b>				
1000000383	RADM	1D01	5.000	40.000	40.000	40.000	0.000	0.000	0.00%			
<b>Additives</b>	<b>Total</b>	<b>5.000</b>	<b>40.000</b>	<b>40.000</b>	<b>40.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.00%</b>				
<b>Production Total</b>	<b>kg</b>	<b>2411.0</b>	<b>19288.0</b>	<b>19288.0</b>	<b>19297.0</b>	<b>0.0</b>	<b>9.0</b>	<b>0.05%</b>				

Cohesion (kw/m<sup>3</sup>): 1.0 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19297  
 Ambient temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

The end time of production: 20/06/2023 - 09:18:58  
 Production Date: 20/06/2023 9:01:11 AM Start Time: 20/06/2023 9:01:17 AM End Time: 20/06/2023 9:19:39 AM  
 Production No: 23061900003-009 Exp. No: 12000040107  
 Order Code: 9000001849 Factory Name: C280/350/DEC/Fiber/HSZ  
 Customer: 214223119 Customer Code: 0111001118.00  
 Truck: DW200 Driver: 3144444444 (VAT: 10002723)  
 Cycle: 4 Production Time: 17:34 (VAT: 3875)

Material Code	Material Name	III	II	Target m <sup>3</sup>	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mols. %	Abs. %	Existing Water
1000000056	SAND 1.6	1A01	kg	790	6320	6320.0	6319.0	0.0	-1.0	-0.02%	0.0%	0.0%	+0.01
1000000095	Alumina D2	1A02	kg	543	4344	4344.0	4352.0	0.0	9.0	0.21%	0.0%	0.0%	+0.01
1000000415	Alumina MN D1	1A03	kg	561	4504	4504.0	4502.0	0.0	-2.0	-0.04%	0.0%	0.0%	+0.01
<b>Aggregate 1</b>	<b>Total</b>		<b>kg</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15174.0</b>	<b>0.0</b>	<b>6.0</b>	<b>0.04%</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
1000000000	OPC CEMENT	1B04	kg	350.0	2800.0	2797.0	2800.0	0.0	0.0	0.00%			
<b>Cement</b>	<b>Total</b>		<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>			
1000000052	WATER	1C01	kg	170.0	1360.0	1360.0	1362.0	0.0	2.0	0.15%			
<b>Water</b>	<b>Total</b>		<b>kg</b>	<b>170.0</b>	<b>1360.0</b>	<b>1360.0</b>	<b>1362.0</b>	<b>0.0</b>	<b>2.0</b>	<b>0.15%</b>			
1000000303	FAFN	1D01	kg	5.2501	42.0001	42.0001	42.2001	0.0001	0.2001	0.48%			+0.01
<b>Additives</b>	<b>Total</b>		<b>kg</b>	<b>5.2501</b>	<b>42.0001</b>	<b>42.0001</b>	<b>42.2001</b>	<b>0.0001</b>	<b>0.2001</b>	<b>0.48%</b>			<b>+0.01</b>
<b>Production total</b>			<b>kg</b>	<b>1896.2</b>	<b>15370.0</b>	<b>15370.0</b>	<b>15378.2</b>	<b>0.0</b>	<b>8.2</b>	<b>0.04%</b>			

Cohesion (ku/m<sup>3</sup>): 0.7 Water/Cement Ratio (Tar.): 0.486 Water/ Cement Ratio (Act.): 0.486 Total Produced Concrete (kg) 15378  
 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

Handwritten signature or initials.



Date and Time of Production: 20/06/2023 - 08:06:46  
 Date and Time of Start: 20/06/2023 7:59:57 AM  
 Date and Time of End: 20/06/2023 8:00:08 AM  
 Date and Time of Completion: 20/06/2023 8:07:29 AM  
 Production Code: 23061900003-001  
 Batch Code: 8000001949  
 Batch Name: C280/350/OPC/81PWS/BSI  
 Batch Weight: 8.06  
 Total Weight: 21.47  
 Total Volume: 0.3  
 Total Density: 73.1  
 Total Moisture: 100.0273  
 Total Dry Weight: 21.47  
 Total Dry Volume: 0.3  
 Total Dry Density: 73.1  
 Total Dry Moisture: 100.0273  
 Total Dry Weight (kg): 21.47  
 Total Dry Volume (m³): 0.3  
 Total Dry Density (kg/m³): 73.1  
 Total Dry Moisture (%): 100.0273

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist. %	Abs. %	Existing Water
10000000561	OPC	1.6		790	6320	6320.0	6336.0	0.0	18.0	0.28%	0.0%	0.0%	+0.01
10000000561	Alumina	0.0		543	4344	4344.0	4344.0	0.0	-4.0	-0.09%	0.0%	0.0%	+0.01
0000000419	Alumina KH D3	0.0		563	4504	4504.0	4506.0	0.0	2.0	0.04%	0.0%	0.0%	+0.01
<b>Aggregate 1</b>	<b>Total</b>			<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15164.0</b>	<b>0.0</b>	<b>16.0</b>	<b>0.11%</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
10000000010	OPC CEMENT	1.0		350.0	2800.0	2785.0	2797.0	0.0	-3.0	-0.11%			
<b>Cement</b>	<b>Total</b>			<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2797.0</b>	<b>0.0</b>	<b>-3.0</b>	<b>-0.11%</b>			
10000000852	WATER	1.0		170.0	1360.0	1360.0	1361.0	0.0	1.0	0.07%			
<b>Water</b>	<b>Total</b>			<b>170.0</b>	<b>1360.0</b>	<b>1360.0</b>	<b>1361.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.07%</b>			
10000000383	RAFM	1.0		5.250	42.000	42.000	42.000	0.000	0.000	0.00%			+0.01
<b>Modifiers</b>	<b>Total</b>			<b>5.250</b>	<b>42.000</b>	<b>42.000</b>	<b>42.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.00%</b>			<b>+0.01</b>
<b>Production Total</b>	<b>Total</b>			<b>1kg   2421.2</b>	<b>19370.0</b>	<b>19370.0</b>	<b>19384.0</b>	<b>0.0</b>	<b>14.0</b>	<b>0.07%</b>			

Cohesion (kN/m²): 0.3  
 Water/Cement Ratio (W/C): 10.486  
 Water/Cement Ratio (Net): 10.487  
 Total Produced Concrete (kg): 19384  
 Ambient Temperature during mix: 20.00 °C  
 Mixture Temperature during mix: 20.00 °C

UNIMIX Date and Time of printout: 20/06/2023 - 09:14:03

Date and Time of printout: 20/06/2023 - 09:14:03

Production Date: 20/06/2023 09:06:09 Start Time: 20/06/2023 09:06:28 Finish Time: 20/06/2023 09:14:31

Production Item: 23062000001-001 ERP ID: 12000040136 Status: COMPLETED

Recipe Code: 9000001849 Recipe Name: C280/350/OPC/Fiber/HSE Cubics (m³): 8.00

For Customer: Di Lujjili's - Jeddah (VAT: 1000273)

For Contractor: Khamis (VAT: 48)

Track: TR193 Deliver: Jeddah (VAT: 4478)

Cycles: 5 Production Time: 07:26

Material Code	Material Name	III	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water	Absorbed Water
100000005615AND	1.6	AD1	800	6400	6400.0	6419.0	0.0	19.0	0.30%	0.0%	0.0%	+0.01	-0.01
100000000401D1		AD3	655	5240	5240.0	5230.0	0.0	-10.0	-0.19%	0.0%	0.0%	+0.01	-0.01
1000000094102		AD4	455	3640	3640.0	3635.0	0.0	-4.0	-0.11%	0.0%	0.0%	+0.01	+0.01
<b>Aggregate 1</b>	<b>Total</b>		<b>1910</b>	<b>15280</b>	<b>15280.0</b>	<b>15285.0</b>	<b>0.0</b>	<b>5.0</b>	<b>0.03%</b>	--	--		<b>+0.01</b>
10000000001BPC	CEMENT	B02	350.0	2800.0	2805.0	2801.0	0.0	1.0	0.04%				-0.01
<b>Cement</b>	<b>Total</b>		<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2801.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.04%</b>				<b>-0.01</b>
100000000521WATER		C01	150.0	1200.0	1200.0	1200.0	0.0	0.0	0.00%			+0.01	+0.01
<b>Water</b>	<b>Total</b>		<b>150.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>			<b>+0.01</b>	<b>+0.01</b>
100000000211B3PW		D03	5.5001	44.0001	44.0001	44.0701	0.0001	0.0701	0.16%			+0.01	+0.01
<b>Additives</b>	<b>Total</b>		<b>5.5001</b>	<b>44.0001</b>	<b>44.0001</b>	<b>44.0701</b>	<b>0.0001</b>	<b>0.0701</b>	<b>0.16%</b>			<b>+0.01</b>	<b>+0.01</b>
<b>Production total</b>			<b>1910</b>	<b>15280</b>	<b>15324.0</b>	<b>15330.1</b>	<b>0.0</b>	<b>5.1</b>	<b>0.03%</b>				<b>19330</b>

Cohesion (kN/m²): 13.5 Water/Cement Ratio (Tar.) 0.429 Water/Cement Ratio (Act.) 0.428 Total Produced Concrete (kg) 19330

Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C







**SUBMISSION of TEST RESULTS**



**Green Line**

<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>	
El Daba		EGYPT STONE		SGAC	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Designation</b>	
	م. محمد النجار				
<b>Contractor Reference</b>					<b>Revision 00</b>
<b>Received by ER</b>	<b>Name</b>	<b>Sign</b>	<b>TRF</b>	<b>DD</b>	<b>MM</b>
				18	10
				<b>YY</b>	<b>HH</b>
				23	11
				<b>MM</b>	
				—	

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test</b>	Compression tests at cubes from st (443+860 TO 444+000) for Slope protection at right side			
<b>Location of Test</b>	CELL LAB			
<b>Item</b>	<b>Specification</b>	<b>Test Requirement</b>	<b>Test Result Attachment</b>	<b>Remarks</b>
1	Compression test 5 concrete cubes at 7 day	250 kg/cm <sup>2</sup>	298	Pass
2		250 kg/cm <sup>2</sup>	369	Pass
3				
4				
5				

<b>Comments by: SGAC</b> <i>M. Adal</i> The test result is approved	<b>Comments by: SYSTRA</b> 1- Contractor and his consultant have to fulfill survey comment before handing over 2- Contractor didn't finish weep holes pipes ,cutting and sealing joints 3- All test are performed by cell lab and contractor consultant under there Responsibility
--	---

**APPROVAL STATUS**

<b>Organisation</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>A-AWC-R</b>
Contractor	م. محمد النجار			
QA/QC	م / محمود عادل			
GARB *	م / مصطفى نجم			
Employers Representative			18.10.23	A

\* Alignment / Bridges: Overt Only

A= Approved; AWC= Approved with Comments; R= Rejected

Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 22-07-2023  
 Report No : 45  
 Location : St. (443+860) : (444+000) Right

COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C280/350 OPC

Date of Casting	Age Testing Days	Location	Weight (gm)		AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (k.N)		Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
			7578	7740			7746	899			
15-7-2023	22-7-2023	7	St. (443+860) : (444+000) Right		7746	2.30	899	759	407	365	130
			7921	761			344				
							345				

Note: تم توزيع الكعك بواسطة العميل والمعمل في نفس اليوم لإجراء الاختبار في نفس اليوم

Signature / *M. Adel*

5 El Malek El Afdal Street  
 Zarnalek, Cairo,  
 Tel. & Fax : 27367231 - 27363093



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 تليفون + فاكس : 27367231 - 27363093  
 www.cel-egypt.com

Company Name : Egypt Stone  
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
Report Date : 21-07-2023  
Report No : 43  
Location : Slop Protection Right

**COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS**

Mix ID : C280/350 OPC

Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
14-7-2023	21-7-2023	7	St. (443+760) : (443+860) , St. (443+860) : (444+000)	7688	7831	2.32	670	304	298	107
				7924			655	297		
				7882			650	294		
				7878	7990	2.37	696	315	311	111
				8110			698	316		
				7981	665	301				

Note: تم تزويد المعينات بواسطة العميل والعمل على مسطرة الخرسانة الجيدة والمواد الجيدة  
تم تزويد المعينات بواسطة العميل والعمل على مسطرة الخرسانة الجيدة والمواد الجيدة

Signature /

3 El Mahala El Afdal Street

Zamalek, Cairo,

Tel. & Fax : 27367231 - 27363093



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**SUBMISSION of TEST RESULTS**



Green Line											
Location Name		Contractor Company		Designer Company							
El Daba		EGYPT STONE		SGAC							
Issued by Contractor	Name	Sign	Date	Designation							
	م. محمد النجار	<i>[Signature]</i>									
Contractor Reference				Revision 00							
Received by ER	Name	Sign	TRF	DD	MM						
	<i>[Signature]</i>	<i>[Signature]</i>		18	10						
<table border="1"> <tr> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>23</td> <td>11</td> <td>—</td> </tr> </table>						YY	HH	MM	23	11	—
YY	HH	MM									
23	11	—									

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW				
Description of Test	Compression tests at cubes from st (443+860 TO 444+000) for Slope protection at right side			
Location of Test	CELL LAB			
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	Compression test 6 concrete cubes at 28 day	250 K <sub>s</sub> /cm <sup>2</sup>	401	Pass
2		250 K <sub>s</sub> /cm <sup>2</sup>	433	Pass
3				
4				
5				

Comments by: SGAC	Comments by: SYSTRA
<i>m. Adel</i> The test result is approved	1- Contractor and his consultant have to fulfill survey comment before handing over 2- Contractor didn't finish weep holes pipes ,cutting and sealing joints 3- All test are performed by cell lab and contractor consultant under there Responsibility

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	م. محمد النجار	<i>[Signature]</i>		A
QA/QC	م / محمود عادل	<i>[Signature]</i>		A
GARB *	م / مصطفى نجم	<i>[Signature]</i>		A
Employers Representative	<i>[Signature]</i>	<i>[Signature]</i>	18-10-23	A

\* Alignment / Bridges: Culvert Only      A= Approved; AWC= Approved with Comments; R= Rejected



Location Name		Contractor Company		Designer Company	
EEY- EL ALAMIN &ELDABAA					
Contractor ISSUED	Name	Sign	Date	Designation	
	إمام محمد النجار	<i>[Signature]</i>			
Contractor Reference				Revision	
Designer RECEIPT	Name	Sign	Date	Designation	
	M. Hegazy	<i>[Signature]</i>	20/01/20		
Designer Reference				Revision	

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number of Sheets
①	calibration certificate		prequalification of UNI MIX batch plant	
②	Design mix			
1				
2				
3				
4				

Designer Comments:

Designer REPLY	Name	Sign	Date	Designation

ER RECEIPT	Name	Sign	Designation							
	محمد جمال	<i>[Signature]</i>	Senior Engineer							
Note: Response to Contractor shall be by Letter with Any comments attached		ER Document No:	CU	DC	MM	YY	HH	MM		
CODE - S1 to S11 Station Reference	CODE - D1 to D1 Drawn Reference	CODE - Kp XXX For Kilometer point only	CODE - Work Activity			CODE - Sub Elements of Activity				

AWC

**SUBMISSION of TEST RESULTS**



<b>Location Name</b>		<b>Contractor Company</b>		<b>Designer Company</b>																	
ELDABAA		EGYPT STONE		SGAC																	
<b>Issued by Contractor</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>Time</b>																	
	م. محمد النجار																				
<b>Contractor Reference</b>				<b>Revision</b>																	
<b>Received by ER</b>																					
				STR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>KP</td> <td>EW</td> <td>MS</td> <td>31</td> <td>8</td> <td>23</td> <td>12</td> <td>00</td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	KP	EW	MS	31	8	23	12	00
C1	C2	C3	DD	MM	YY	HH	MM														
KP	EW	MS	31	8	23	12	00														

NB: Package 1 Only (Package 2 via Aconex)

**THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW**

<b>Description of Test Materials</b>	Trial mix slope protection			
<b>Location of Test</b>	cell laboratory			
<b>Item</b>	<b>Specification</b>	<b>Test Requirement</b>	<b>Test Result Attachment</b>	<b>Remarks</b>
1	Compression test 6 concrete cubes at 7 day	250 KJ/cm <sup>2</sup>	267 KJ/cm <sup>2</sup>	
2	Compression test 6 concrete cubes at 28 day	250 KJ/cm <sup>2</sup>	312 KJ/cm <sup>2</sup>	
3				
4				
5				

<b>Comments by:</b> <i>m. adel</i>	<b>Comments by:</b>

**APPROVAL STATUS**

<b>Organisation</b>	<b>Name</b>	<b>Sign</b>	<b>Date</b>	<b>A-AWC-R</b>
Contractor	م. محمد النجار			
Designer				
GARB *	<i>Mr. xlegm</i>			
Employers Representative	<i>Mohamed El-Nagar</i>		31/8/2023	A

\* Alignment / Bridges: Culvert Only

A= Approved; AWC= Approved with Comments; R= Rejected

Company Name : Egypt Stone  
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matruh  
Report Date : 11-08-2023  
Report No : 65  
Location : Slope Protection Right

**COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS**

Mix ID : C280/350 OPC

Casting	Date of Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
14-7-2023	11-8-2023	28	(443+760) : (443+860) , St. (443+860) : (444+000)	8237	8162	2.42	898	407	401	143
				8168			882	400		
				8081			878	398		
14-7-2023	11-8-2023	28	(443+760) : (443+860) , St. (443+860) : (444+000)	8237	8162	2.42	888	402	397	142
				8168			868	393		
				8081			872	395		

Note: تم تزويد العينات بواسطة العميل والعمل على اختبارها في مختبرنا في 11-08-2023

Signature /

*(Handwritten signature in blue ink)*



Company Name : Egypt Stone  
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh  
 Report Date : 12-08-2023  
 Report No : 94  
 Location : Slope Protection Right Side St. (443+860) : (444+000)

COMPRESSIVE STRENGTH RESULTS OF CUBE 15\*15\*15 CM CONCRETE SPECIMENS

Mix ID : C280/350 OPC

Date of Casting	Testing	Age Days	Location	Weight (gm)	AVG Weight (gm)	Density (gm/cm <sup>3</sup> )	Load (k.N)	Strength (Kg/cm <sup>2</sup> )	Ave. Strength (Kg/cm <sup>2</sup> )	Percentage %
15-7-2023		28	Slope Protection Right Side St. (443+860) : (444+000)	8095	8164	2.42	835	378	433	155
				8190			1036	469		
				8208			997	452		

Note: تم توريد الكتل بمرحلة العمل والعميل غير مسئول عن صلاحية الكتل ومعالجة الكتل

Signature 

M. Adel

CEL  
 م.عبدالمجيد عبدالمجيد  
 م.عبدالمجيد عبدالمجيد  
 م.عبدالمجيد عبدالمجيد

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4/2023 R. 5117 and  
 2023011849  
 2023011849  
 2023011849  
 2023011849

Material Code	Material Name	III	II	Target m³	Target theor	Target port	Actual	Manual	Difference	Deviation %	Moist %	Wetting factor
					4400	4400	4400.0	4400.0	0.0	0.0%		
					1021	1021	1021.0	1021.0	0.0	0.0%		
					131	131	131.0	131.0	0.0	0.0%		
<b>Aggregate 1</b>	<b>Total</b>	<b>kg</b>	<b>kg</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15173.0</b>	<b>0.0</b>	<b>5.0</b>	<b>0.03%</b>		<b>+0.01</b>

<b>Cement</b>	<b>Total</b>	<b>kg</b>	<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>		<b>0.00%</b>
					1200.0	1200.0	1200.0	0.0	0.0	0.0%		0.0%

<b>Water</b>	<b>Total</b>	<b>kg</b>	<b>kg</b>	<b>150.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>1200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0%</b>		<b>0.0%</b>
					40.000	40.000	40.000	0.000	-0.000	-0.00%		+0.01

<b>Additives</b>	<b>Total</b>	<b>kg</b>	<b>kg</b>	<b>5.000</b>	<b>40.000</b>	<b>40.000</b>	<b>40.000</b>	<b>0.000</b>	<b>-0.000</b>	<b>-0.00%</b>		<b>-0.00%</b>
------------------	--------------	-----------	-----------	--------------	---------------	---------------	---------------	--------------	---------------	---------------	--	---------------

**Production Total** | kg | **2401.0** | **19208.0** | **19208.0** | **119213.0** | **0.0** | **5.0** | **0.03%**

Consumption (kg/m³): **2.5 Water/Cement Ratio (rat.) 0.429 Water/Cement Ratio (act.) 0.429 Total Produced Concrete (m³) 19213**  
 Actual Temperature during mix: **20.00 °C** Mixture Temperature during mix: **20.00 °C**

14/7/2023 p 22  
 15/7/2023 p 22  
 48 m³  
**56 m³**

Production (23071200001-009) of Factory 1

7/14/2023 8:32:53 AM  
 7/14/2023 9:53:01 AM  
 7/14/2023 9:52:37 AM  
 18000040074  
 0280/350/050/2100/855  
 16002773  
 08:32  
 (VAT: 5286)

Material Code	Material Name	Unit	Target M <sup>3</sup>	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist %	Abs. %	Excessing Ratio
1000000001	AGGREGATE 1	kg	1896	15168	15168.0	15158.0	0.0	0.0	0.00%	--	--	+0.01
1000000002	CEMENT	kg	350.0	2800.0	2800.0	2808.0	0.0	8.0	0.29%	--	--	+0.01
1000000003	WATER	kg	150.0	1200.0	1200.0	1200.0	0.0	0.0	0.00%	--	--	+0.01
1000000004	ADDITIVES	kg	5.0001	40.0001	40.0001	40.1001	0.0001	0.1000	0.25%	--	--	+0.01
Production Total		kg	2401.0	19208.0	19208.0	19216.1	0.0	8.1	0.04%	--	--	+0.01

Cohesion (Kw/K<sup>2</sup>): 2.2 Water/Cement Ratio (Theor.): 0.429 Water / Cement Ratio /Act.: 0.427 Total Produced Concrete (M<sup>3</sup>): 19216  
 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

11/20/2013 09:25 AM  
 2801357 (Vat: 2801357)  
 (Vat: 2801357)

Material Code	Material Name	Unit	Target Qty	Target Weight	Actual Weight	Manual Difference	Deviation	Abs	Existing Water
Aggregate 1	Total	kg	1896	15168	15170.0	0.0	2.0	0.01%	+0.01
Cement	Total	kg	350.0	2800.0	2801.0	0.0	1.0	0.04%	
100000050	WATER	kg	150.0	1200.0	1200.0	0.0	0.0	0.00%	
Water	Total	kg	150.0	1200.0	1200.0	0.0	0.0	0.00%	
100000033	R4FH	kg	5.000	40.000	40.000	0.000	0.000	0.00%	+0.01
Additives	Total	kg	5.000	40.000	40.000	0.000	0.000	0.00%	
Production Total		kg	2401.0	19208.0	19211.0	0.0	3.0	0.02%	

Cohesion (kN/m<sup>2</sup>): 4.6 Water/Cement Ratio (Tar.): 0.429 Water/Cement Ratio (Act.): 0.428 Total Produced Concrete (kg): 19211  
 Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

7/14/2023 8:23:31 AM 14/07/2023 - 08:33:13 7/14/2023 8:23:31 AM 14/07/2023 8:33:37 AM

2301000001-001 1700040413 1280/350/0.47/20.00 1000000000

3000000001-004 1000000000 (VAT: 1000273)

1000000001-001 1000000000 (VAT: 485%)

1000000001-001 1000000000 (VAT: 485%)

1000000001-001 1000000000 (VAT: 485%)

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Material Code	Material Name	Unit	Target	Target Theor.	Target Corr.	Actual	Manual Difference	Deviation %	Moist.	Abs. %	Existing Water
09000001	CEMENT	kg	1896	1896	15168.0	15352.0	0.0	-0.13%	--	--	+0.01
10000000	AGGREGATE 1	m³	350.0	350.0	2800.0	2805.0	0.0	0.18%	0.0%	0.0%	+0.01
10000000	WATER	kg	150.0	150.0	1200.0	1201.0	0.0	0.08%	0.0%	0.0%	+0.01
10000000	ADDITIONS	kg	5.000	5.000	40.000	40.000	0.000	0.00%	0.00%	0.00%	+0.01
<b>Production Total</b>			<b>2401.0</b>	<b>2401.0</b>	<b>19208.0</b>	<b>19198.0</b>	<b>0.0</b>	<b>-0.05%</b>			

Notes: 2.1 Water/Cement Ratio (Theor.) 0.429 Water/Cement Ratio (Act.) 0.428 Total Produced Concrete (kg) 19198

Ambient Temperature during mix: 20.00 °C Mixture Temperature during Mix: 20.00 °C











Date: 15/07/2023 09:28:29  
 Job No: 12345678901011  
 Batch No: 12345678901011  
 Plant: 12345678901011  
 Shift: 12345678901011  
 Operator: 12345678901011  
 Machine: 12345678901011  
 Status: 12345678901011  
 Start Time: 12345678901011  
 End Time: 12345678901011  
 Duration: 12345678901011  
 Yield: 12345678901011  
 Efficiency: 12345678901011  
 Quality: 12345678901011  
 Safety: 12345678901011  
 Environment: 12345678901011  
 Health: 12345678901011  
 Safety: 12345678901011  
 Environment: 12345678901011  
 Health: 12345678901011

Material Code	Material Name	Unit	Target	Actual	Manual	Difference	Deviation	Moist	Abs.	Existing
00000001	Aggregate 1	kg	1896	15168	15168	-21.0	-0.14%	--	--	+0.01
00000002	Aggregate 2	kg	250.0	2808	2808	8.0	0.29%	--	--	+0.01
00000003	Cement	kg	350.0	2808	2808	8.0	0.29%	--	--	+0.01
00000004	Water	kg	135.0	1240	1240	1.0	0.08%	--	--	+0.01
00000005	Additives	kg	5.0001	40.0001	39.9001	-0.1001	-0.25%	--	--	+0.01
<b>Production Total</b>		<b>kg</b>	<b>2605.0</b>	<b>19248.0</b>	<b>19248.0</b>	<b>-12.1</b>	<b>-0.06%</b>			

Cohesion (kN/m<sup>2</sup>): 1.7  
 Water/Cement Ratio (W/C): 0.443  
 Water/Cement Ratio (Act): 0.442  
 Total Produced Concrete (kg): 19236  
 Ambient Temperature during mix: 20.00 °C  
 Mixture Temperature during mix: 20.00 °C



15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52  
 15/07/2023 09:30:52

Material Code	Material Name	Unit	Target	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation	Note	Abv	Excess
100000010000	CEMENT	kg	350.0	2800.0	2800.0	350.0	350.0	0.0	0.00%			
100000010000	WATER	kg	160.0	1280.0	1280.0	160.0	160.0	0.0	0.00%			
100000010000	Aggregate 1	kg	1896.0	15168.0	15168.0	1896.0	1896.0	0.0	0.00%			
	<b>Total</b>	<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>350.0</b>	<b>350.0</b>	<b>0.0</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>160.0</b>	<b>1280.0</b>	<b>1280.0</b>	<b>160.0</b>	<b>160.0</b>	<b>0.0</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>160.0</b>	<b>1280.0</b>	<b>1280.0</b>	<b>160.0</b>	<b>160.0</b>	<b>0.0</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>5.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>5.0001</b>	<b>5.0001</b>	<b>0.0000</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>2411.0</b>	<b>19268.0</b>	<b>19268.0</b>	<b>2411.0</b>	<b>2411.0</b>	<b>0.0</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>5.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>5.0001</b>	<b>5.0001</b>	<b>0.0000</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>2411.0</b>	<b>19268.0</b>	<b>19268.0</b>	<b>2411.0</b>	<b>2411.0</b>	<b>0.0</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>5.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>5.0001</b>	<b>5.0001</b>	<b>0.0000</b>	<b>0.00%</b>			
	<b>Total</b>	<b>kg</b>	<b>2411.0</b>	<b>19268.0</b>	<b>19268.0</b>	<b>2411.0</b>	<b>2411.0</b>	<b>0.0</b>	<b>0.00%</b>			

0.6 Water/Cement Ratio (Thi): 0.457 Water/Cement Ratio (Act): 0.456 Total Prod and Concrete (kg) 19291  
 Ambient Temperature during Mix: 20.00 °C Mixture Temperature during Mix: 20.00 °C

15/07/2023 - 09:12:31  
 15/07/2023 09:04:23  
 18000040624  
 0280/350/UBC/1200/FACT 1  
 (WATER COURSE)  
 19311  
 07:53

Material Code	Material Name	III	II	Target m <sup>3</sup>	Target Theor.	Target Coef.	Actual	Manual	Difference	Deviation %	Mols	Abs. %	Existing
1000000026	BRICK	1801	kg	8100	6400	6300.0	6300.0	0.0	-1.0	-0.02%	0.00	0.0	0.0
1000000029	PLASTER	1802	kg	498	395	3864.0	3864.0	0.0	0.0	0.00%	0.00	0.0	0.0
1000000031	WATER	1803	kg	596	4784	4784.0	4784.0	0.0	0.0	0.00%	0.00	0.0	0.0
<b>Aggregate 1</b>	<b>Total</b>		<b>kg</b>	<b>1896</b>	<b>15168</b>	<b>15168.0</b>	<b>15170.0</b>	<b>0.0</b>	<b>-2.0</b>	<b>-0.01%</b>	<b>--</b>	<b>--</b>	<b>+0.01</b>
1000000010	CEMENT	1804	kg	350.0	2800.0	2789.0	2800.0	0.0	0.0	0.00%	0.00	0.0	0.0
<b>Cement</b>	<b>Total</b>		<b>kg</b>	<b>350.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>2800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.00%</b>	<b>1.0</b>	<b>0.08%</b>	
1000000002	WATER	1801	kg	155.0	1240.0	1240.0	1240.0	0.0	0.0	0.00%	1.0	0.08%	
<b>Water</b>	<b>Total</b>		<b>kg</b>	<b>155.0</b>	<b>1240.0</b>	<b>1240.0</b>	<b>1240.0</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.00%</b>	<b>0.0001</b>	<b>0.00%</b>	<b>+0.01</b>
1000000033	RAPE	1801	kg	5.0001	40.0001	40.0001	40.0001	0.0001	0.0001	0.00%	0.0001	0.00%	+0.01
<b>Additives</b>	<b>Total</b>		<b>kg</b>	<b>5.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>40.0001</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.00%</b>	<b>3.0</b>	<b>0.02%</b>	
<b>Production Total</b>			<b>kg</b>	<b>2406.0</b>	<b>19248.0</b>	<b>19248.0</b>	<b>19251.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.02%</b>			

Water/Cement Ratio (Tar): 0.443  
 Water/Cement Ratio (Act.): 0.443  
 Total Produced Concrete (kg): 19251  
 Ambient Temperature during mix: 20.00 °C  
 Mixture Temperature during mix: 20.00 °C



أعمال الجسر الترابي لمشروع المطار الكيرباني السريع  
قطاع العلمين - فوكة  
في المسافة من ٤٤٣+٦٠٠ كم إلى ٤٤٤+٦٠٠ كم بطول اكم (اتجاه راس الحكمة)

رقم البند	بيان الأصل	الوحدة	الكمية	سعر الفلدة	الأجمالي
٤	طبقات الاساس				
١٠٤	بالمتر المكعب أعمال توريد و فرش طبقة تأسيس (Subgrade Prepared) من الأحجار الصلبة المترجرة ناتج تكسير الكسارات و المطابقة للمواصفات وأقصى حجم للحبيبات ١٠٠مم والأتريد نسبة المار من ملخل ٢٠٠ عن ١٢% والتدرج الوارد بالاشتراطات الخاصة بالمشروع لا تقل نسبة تحمل كالفورنيا عن ٢٥% والأتريد نسبة الفائد بجهاز لويس الجلوس عن ٣٠% والا يزيد الامتصاص عن ١٥% و الا يقل معامل المزونه (٢Ev) من تجربة لوح التحميل عن ٨٠ ميجابسكال و يتم فردها على طبقتين باستخدام آلات التسوية الحديثة على أن لا يزيد سمك الطبقة بعد تمام الدمك عن ٢٥ سم و رشها بالمياة الاصولية للوصول الى نسبة الرطوبة المطلوبة و الدمك الجيد للهراسات للوصول الى أقصى كثافة جافة قصوى ( لا تقل عن ٩٥% ) من الكثافة المعملية و القئة تشمل اجراء التجارب المعملية و الحقلية و يتم التنفيذ طبقاً لاصول الصناعة و الرسومات التفصيلية المعتمدة و البند بجميخ مشتملانه طبقاً للمواصفات الفنية للمشروع و تقرير الاستشاري و تعليمات المهندس المشرف. - مسافة النقل لا تقل عن ٢٠كم. - يتم احتساب عسارة ١,٢ اجنيه لكل اكم بالزيادة او النقصان. - السمر يشمل قيمة المواد المحجزة طبقاً لالادة المنطقة بهذا القطاع (٦) من اكم ٣٩٥ الى اكم ٥٠٤.	م <sup>٣</sup>	٩٠٠٠	٢٧٨	٢٥٠٢٠٠٠
	عسارة مسافة لنقل ١٧٥ كم	م <sup>٣</sup>	٩٠٠٠	١٨٦	١٦٧٤٠٠٠
	عسارة تحميل رسم الكرتة و الموازين طبقاً للاتحة الشركة الوطنية	م <sup>٣</sup>	٩٠٠٠	٢٥	٢٢٥٠٠٠
٢٠٤	بالمتر المكعب أعمال توريد و فرش طبقة أساس من الاحجار الصلبة المترجرة ناتج تكسير الكسارات و المطابقة للمواصفات و أقصى حجم للحبيبات ما بين ٣١,٥ مم الى ٤٠ مم و الا يزيد نسبة المار من ملخل ٢٠٠ عن ٥% و التدرج الوارد بالاشتراطات الخاصة بالمشروع لا تقل نسبة تحمل كالفورنيا عن ٨٠% و الا يقل معامل المزونه (٢Ev) من تجربة لوح التحميل عن ١٢٠ ميجابسكال و الا يزيد نسبة الفائد بجهاز لويس الجلوس عن ٣٠% والا يزيد الامتصاص عن ١٥% و يتم فردها على طبقتين باستخدام آلات التسوية الحديثة على أن لا يزيد سمك الطبقة بعد تمام الدمك عن ٢٠ سم و رشها بالمياة الاصولية للوصول الى نسبة الرطوبة المطلوبة و الدمك الجيد للهراسات للوصول الى أقصى كثافة جافة قصوى ( لا تقل عن	م <sup>٣</sup>	٦٠٠٠	٢٩٨	١٧٨٨٠٠٠



أعمال المجر الترابي لمشروع التطار الكهربائي السريع  
قطاع العامين - شركة  
في المسافة من ٦٠٠+٤٤٣ كم إلى ٦٠٠+٤٤٤ كم بطول اكم (اتجاه راس الحكمة)

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر الوحدة	الاجمالي
	١٠٠% من الكثافة المعملية) و القشة تشمل اجراء التجارب المعملية و الحقلية و يتم تنفيذ طبقاً لاصول الصناعة و الرسومات التفصيلية المعتمدة و البند بجميع مشتملاته طبقاً للمواصفات الفنية للمشروع و تقرير الاستشاري و تعليمات المهندس المشرف. -مسافة النقل لا تقل عن ٢٠كم. - يتم احتساب علاوة ١,٢ جنيه لكل اكم بالزيادة او النقصان. - السعر يشمل قيمة المواد المحجربة طبقاً لافادة المنطقة بهذا القطاع (٦) من اكم ٣٩٥ الى اكم ٥٠٤.				
	علاوة مسافة النقل ١٧٥ اكم	٣م	٦٠٠٠	١٨٦	١١١٦٠٠٠
	علاوة تحصيل رسوم الكارثة والموازن طبقاً لائحة الشركة الوطنية	٣م	٦٠٠٠	٢٥	١٥٠٠٠٠
٥	البلاطات الخرسانية				
١٠٥	بالمتر المسطح أعمال توريد وصب خرسانة عادية سمك ١٥سم لارتفاع ١٠متر راسي لعمارة الاكثاف والسيول الجانبية لتكون من ٣,٨م من دولوميت مترج ٣,٤+ ٣م رمل حرش والاضافات طبقاً لتعليمات الاستشاري (لبيز + سيكا ) على ان يكون السن نظيف ومضول والرمل خالي من الشوائب والطفله والاملاح والمواد الغريبة مع وضع قوَم (بالفاصل) بسمك ٢سم (طبقاً لتعليمات الاستشاري ) والبند يشمل تجهيز وإستعمال مناسب التربة الطبيعية أسفل البلاطة للوصول إلى المناسيب التصميمية على أن تحقق الخرسانة إجهاد لا يقل عن ٢٥٠كجم/سم <sup>٢</sup> وتنظيف السطح وملء الفراصل بالبيتومين الحرمل والتنفيذ طبقاً لاصول الصناعة والرسومات التفصيلية المعتمدة والبند بجميع مشتملاته طبقاً لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف. - يتم اضافة علاوة قدره ٥ جنيه بعد اول ١٠ متر على ان تضاعف لكل مسطح (لا يقل عن ٥ متر راسي)	٢م	٢٩٤٤	٣٥٥	١٠٥٤٠٠٠



١٤٠ - ١٤١ - ١٤٢

