SUBMISSION of TEST RESULTS

Green Line

Location Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار			
Contractor Reference				Revision 00
Received by ER	Name	Sign		

TRF	DD	MM	YY	HH	MM
	25	10	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 (441+600 TO 441+700) 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 7 day			
2				
3				
4				
5				

Comments by: SGAC M.Adel	Comments by: SYSTRA
the test Results is APPROVED	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and Concrete Cubes are Contractor and SGAC Consultant Responsibility.

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار			A
QA/QC	م / محمود عادل	M.Adel		A
GARB *	م /مصطفي نجم			A
Employers Representative	Mohamed Sameh		29.10.23	A

* Alignment / Bridges: Culvert Only

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

CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الاستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 17-08-2023
Report No : 145
Location : Slop Protection

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
10-8-2023	17-8-2023	7	St. (441+600) : (441+700) Right ,St. (444+420) ; (444+600) Left	8417	8293	2.46	720	326	338	121
				8030			685	310		
				8432			831	376		
				8316	8232	2.44	848	384	350	125
				8087			728	330		
				8294			741	336		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية اخذ و معالجة العينات

Signature /...

3, El Malek El Afdal Street
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Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 26-07-2023
Report No : 109
Location : Slope Protection Right.

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
19-7-2023	26-7-2023	7	St.(441+600): (441+700)	8009	8161	2.42	615	279	276	98
				8262			600	272		
				8211			610	276		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية اخذ ومعالجة العينات

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SUBMISSION of TEST RESULTS

Green Line

Location Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار			
Contractor Reference				Revision 00

	Name	Sign	TRF	DD	MM	YY	HH	MM
Received by ER				25	10	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 (441+600 TO 441+700) 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			
2				
3				
4				
5				

Comments by: SGAC m. Adel	Comments by: SYSTRA
The Test Result is Approved.	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and concrete cubes are contractor and SGAC Consultant responsibility.

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار			A
QA/QC	م / محمود عادل	m. Adel		A
GARB *	م /مصطفى نجم			A
Employers Representative	Mohamed Nader	M. Nader	25.10.23	A

* Alignment / Bridges: Culvert Only

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

SUBMISSION OF DOCUMENTS

EGYPT STONE FOR MINING & SUPPLIES

SYSTRA SHAKER

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

NB: Package ١ Only (Package ٢ via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number of Sheets
1	clibration certificate		prequalification of UNI MIX batch plant	
٢				
2	Design mix			
٦				
٧				
٨				
٩				

Designer Comments:

Designer REPLY	Name	Sign	Date	Designation

ER RECEIPT	Name	Sign	Designation
	Mohamed Ezzat		Senior GA Engr

Note: Response to Contractor shall be by Letter with Any comments attached	ER Document No: SUB	C	C1	C2	DD	MM	YY	HH	MM
		CU							

CODE-1 S1 to S11 Station Reference	CODE-1 D1 to D7 Depot Reference	CODE-1 Kp XXX For Kilometer point only	CODE-T Work Activity	CODE-T Sub Element of Activity

AWC

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SUBMISSION of TEST RESULTS

Location Name	Contractor Company	Designer Company
ELDABAA	EGYPT STONE	SGAC

	Name	Sign	Date	Time
Issued by Contractor	م/محمد النجار	محمد النجار		
Contractor Reference				Revision
Received by ER				

STR	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

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 KG/cm²	267 KG/cm²	
2	Compression test 6 concrete cubes at28 day	250 KG/cm²	312 KG/cm²	
3				
4				
5				

Comments by: M. Adel	Comments by:

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار	محمد النجار		
Designer				
GARB *	M. Kegm			
Employers Representative	Mohamed Mohy		31/8/2023	A

* Alignment / Bridges: Culvert Only

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

CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الإستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date :07-09-2023
Report No : 320
Location : Slop Protection

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				(gm/cm)^3				
10-8-2023	7-9-2023	28	St. (441+600) ; (441+700) Right ,St. (444+420) ; (444+600) Left	8112	8220	2.44	972	440	424	170
				8183			879	398		
				8366			960	435		
				8194	8156	2.42	867	393	410	164
				8053			946	429		
				8221			900	408		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية اخذ و معالجة العينات

Signature /.....

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Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date :16-08-2023
Report No : 137
Location :Slope Protection Right.

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
19-7-2023	16-8-2023	28	St.(441+600): (441+700)	8403	8225	2.44	924	419	417	149
				7953			901	408		
				8320			934	423		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن عملية أخذ وحفظ العينات

Signature /...

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[illegible] (VAR: .060273)

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Time: 06:30

Material Code	Material Name				Target m³	Target Tumcr	Target Corr.	Actual	Manual	Difference	Deviation %	Moisture %	Abs. %	Excessing Water
[illegible]	[illegible]	A01	kg	[illegible]	4000	4000.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	A02	kg	[illegible]	3924	3924.0	[illegible]	[illegible]	-11.0	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	A03	kg	[illegible]	3764	3764.0	[illegible]	0.0	-1.0	[illegible]	[illegible]	[illegible]
Aggregate I	Total		kg	1896	15168	15168.0	15169.0	0.0	1.0	0.01%	--	--	+0.0
[illegible]	[illegible]	B04	kg	[illegible]	2800.0	2791.0	[illegible]	0.0	[illegible]	[illegible]		
Cement	Total		kg	350.0	2800.0	2800.0	2792.0	0.0	-8.0	-0.29%		
[illegible]	WATER	C01	kg	[illegible]	1280.0	1280.0	[illegible]	0.0	1.0	[illegible]		
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%		
[illegible]	[illegible]	D01	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%		+0.0
Production Total			kg	2411.0	19288.0	19288.0	19282.0	0.0	-6.0	-0.03%		

Cohesion (kw/m³): 2.3 Water/Cement Ratio (Tar.) 0.457 Water/ Cement Ratio (Act.) 0.459 Total Produced Concrete (kg) 19282

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

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moisture %	Abs %	Existing Water
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15157.0	0.0	-11.0	-0.07%	--	--	+0.0
[illegible]	[illegible]	[illegible]	kg	350.0	2800.0	2787.0	2796.0	0.0	-4.0	-0.14%			
Cement	Total		kg	350.0	2800.0	2800.0	2796.0	0.0	-4.0	-0.14%			
[illegible]	[illegible]	[illegible]	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
[illegible]	[illegible]	[illegible]	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19274.0	0.0	-14.0	-0.07%			

Cohesion (kW/m²): 2.1 Water/Cement Ratio (Par.) 0.457 Water/ Cement Ratio (Act.) 0.458 Total Produced Concrete (kg) 19274
Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

Material Code	Material Name							Target m³	Target Thous	Target Corr.	Actual	Manual	Difference	Deviation %	Mois %	Abs	Existing Water
Aggregate I	Total	kg				1896	15168	15168.0	15155.0	0.0	-3.0	-0.02%	--	--	+0.0
Cement	Total	kg				350.0	2800.0	2800.0	2799.0	0.0	-1.0	-0.04%			
Water	Total	kg				160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
000000363 SKPM		DM	kg			5.000	40.000	40.000	40.100	0.000	0.100	0.25%			+0.0
Additives	Total	kg				5.000	40.000	40.000	40.100	0.000	0.100	0.25%			+0.0
Production Total		kg				2411.0	19288.0	19288.0	19265.1	0.0	-2.9	-0.02%			

Consistence (kN/m²): 0.4 Water/Cement Ratio (Tar.) 0.457 Water/ Cement Ratio (Act.) 0.458 Total Produced Concrete (kg) 19285

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

Programm [illegible]

[illegible] 10/08/2023 - 15:09:26

[illegible] 10/08/2023 [illegible] 10/08/2023 [illegible]

[illegible] (VAT: 1006273)

[illegible] DM206 [illegible] (VAT: 3709)

[illegible] 06:59

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
[illegible]	[illegible]	[illegible]	kg	[illegible]	6400	6400.0	6399.0	0.0	-1.0	-0.02%	0.0	0.0%	+0.0
[illegible]	[illegible]	[illegible]	kg	[illegible]	3984	[illegible]	[illegible]	0.0	1.0	0.02%	0.0	0.0	+0.0
[illegible]	[illegible]	[illegible]	kg	[illegible]	4784	[illegible]	[illegible]	0.0	-1.0	-0.02%	0.0	0.0	+0.0
Aggregate 1	Total		kg	1896	15168	15168.0	15169.0	0.0	1.0	0.01%	--	--	+0.0
[illegible]	[illegible]	[illegible]	kg	[illegible]	2800.0	[illegible]	2804.0	0.0	4.0	0.14%			
Cement	Total		kg	350.0	2800.0	2800.0	2804.0	0.0	4.0	0.14%			
[illegible]	WATER	[illegible]	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
[illegible]	[illegible]	[illegible]	kg	5.000	40.000	40.000	40.100	0.000	0.100	0.25%			+0.0
Additives	Total		kg	5.000	40.000	40.000	40.100	0.000	0.100	0.25%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19294.1	0.0	6.1	0.03%			

Consistence (kW/m³): 2.0 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.457 Total Produced Concrete (kg) 19294

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

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Hose. %	Abs %	Existing Water
[illegible]	[illegible]	A01	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	A02	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	A03	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15152.0	0.0	-16.0	-0.11%	--	--	+0.0
[illegible]	[illegible]	C04	kg	350.0	2800.0	2801.0	2809.0	0.0	9.0	0.32%			
Cement	Total		kg	350.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%			
[illegible]	[illegible]	C01	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
1000590353	BAPN	D01	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19282.0	0.0	-6.0	-0.03%			

Cohesion (kw/m²): 2.2 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19282
Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

[illegible] (VAT: 1090273)

[illegible] (VAT: 3724)

[illegible] Time: 06:55

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois %	Abs. %	Existing Water
[illegible]	[illegible] 1.4	[illegible]	kg	570	6150	[illegible]	[illegible]	0.0	-5.0	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	492	[illegible]	[illegible]	[illegible]	0.0	-4.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	590	[illegible]	[illegible]	[illegible]	0.0	-8.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15151.0	0.0	-17.0	-0.11%	--	--	+0.0
[illegible]	[illegible] CEMII/A	[illegible]	kg	350.0	2800.0	[illegible]	2805.0	0.0	5.0	0.18%			
Cement	Total		kg	350.0	2800.0	2800.0	2805.0	0.0	5.0	0.18%			
[illegible]	WATER	[illegible]	kg	160.0	1280.0	[illegible]	1281.0	0.0	1.[illegible]	[illegible]			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
[illegible]	[illegible]	[illegible]	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19277.0	0.0	-11.0	-0.06%			

Cohesion (kw/m²): 2.2 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.457 Total Produced Concrete (kg) 19277

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

Production [2307|90001-309] of Factory:

[illegible] 10/01/2023 - 11:29:53 [illegible] 9/19/2023 [illegible] 9/19/2023 11:32:08 PM [illegible] 9/19/2023 [illegible] 9/19/2023 11:32:08 PM [illegible] 9/19/2023 11:34:47 PM

[illegible] 2307|90001-309 [illegible] 120|0040|63 [illegible] 0000|8|49

[illegible] 9000CC01B49 [illegible] (285/330/280/F3|Ar/ES [illegible] 0.00

[illegible] (VAT: 1000273)

[illegible] 2MLb7 [illegible] محمود محمد عثمان (VAT: 1931)

[illegible] 06:32

Material Code	Material Name	II/I	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist %	Abs. %	Existing Water
[illegible]	SAND 1.6	A01	kg	800	6400	6400.0	6396.0	0.0	-4.0	-0.06%	0.0%	0.0%	+0.0
[illegible]	Alamin D2	A02	kg	499	3984	3984.0	4007.0	0.0	23.0	0.58%	0.0%	0.0%	+0.0
[illegible]	Alamin MN D1	A03	kg	595	4784	4784.0	4789.0	0.0	5.0	0.10%	0.0%	0.0%	+0.0
Aggregate 1	Total		kg	1896	15168	15168.0	15192.0	0.0	24.0	0.16%	--	--	+0.0
[illegible]	OPC CEMENT	B03	kg	350.0	2800.0	2800.0	2801.0	0.0	1.0	0.04%			
Cement	Total		kg	350.0	2800.0	2800.0	2801.0	0.0	1.0	0.04%			
[illegible]	WATER	C01	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
[illegible]	R4PN	D01	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19314.0	0.0	26.0	0.13%			

Consion (kw/m³): 3.1 Water/Cement Ratio (Tar.): 0.457 Water/ Cement Ratio (Act.): 0.457 Total Produced Concrete (kg) 19314

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

Production [1977190000]-004] of Factory 1

19/07/2023 - 10:53:00

19/07/2023 10:48:27 | 19/07/2023 10:49:26 | 19/07/2023 10:51:27

[illegible]-004 | [illegible] | COMPLETED

[illegible] | C200/350/CPC/Other/XPT | A-TC

[illegible] | (VAT: 100037[illegible])

TM169 | [illegible] | [illegible] (VAT: 731)

[illegible] | 4 | [illegible] | Time: 07:13

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs %	Existing Water
[illegible]	[illegible]ND 1.6	A01	kg	600	6400	6400.0	6398.0	0.0	-2.0	-0.03%	0.0%	0.0%	+0.0
[illegible]	[illegible] 02	A02	kg	498	4983	4984.0	4987.0	0.0	3.0	0.06%	0.0%	0.0%	+0.0
[illegible]	[illegible] 01	A03	kg	598	4784	4784.0	4785.0	0.0	1.0	0.02%	0.0%	0.0%	+0.0
Aggregate 1	Total		kg	1896	15168	15168.0	15173.0	0.0	2.0	0.01%	--	--	+0.0
[illegible]	CPC CEMENT	B03	kg	350.0	2800.0	2800.0	2799.0	0.0	-1.0	-0.04%			
Cement	Total		kg	350.0	2800.0	2800.0	2799.0	0.0	-1.0	-0.04%			
[illegible]	WATER	C01	kg	160.0	1280.0	1280.0	1282.0	0.0	2.0	0.16%			
Water	Total		kg	160.0	1280.0	1280.0	1282.0	0.0	2.0	0.16%			
[illegible]	[illegible]	D01	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19291.0	0.0	3.0	0.02%			

Cohesion (kW/m³): 2.2 Water/Cement Ratio (Tar.) 0.457 Water/-Cement Ratio (Act.) 0.458 Total Produced Concrete (Kg) 19291

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

Production [51040/60053-002] of Factory 1

[illegible] 29/9/2023 - 19:16:00 [illegible] 9/19/2023 1:16:04 PM [illegible] 9/19/2023 1:16:31 PM

[illegible] 9/19/2023 1:16:56 PM [illegible] 1000001794 [illegible]

[illegible] 4000001069 [illegible] C280/350/HPC/Fiber/RSI 10.00

Int. Co. [illegible] يحيى علوش للتعدين والتوريدات (VAT. 1000273)

Truck: TM161 [illegible] عادل عبد السلام (VAT. 3467)

Cycle: 5 [illegible] 09:49

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
1000020056	SAND 1.4	[illegible]	kg	780	7800	[illegible]	7809.0	0.0	9.0	0.12%	0.0%	0.0%	[illegible]
1000000055	Aggr. 5/2	[illegible]	kg	543	5430	[illegible]	5438.0	0.0	8.0	0.15%	0.0%	0.0%	[illegible]
1000000[illegible]	Aggr. 8/5 D1	[illegible]	kg	543	5430	[illegible]	5429.0	0.0	-1.0	-0.02%	0.0%	0.0%	[illegible]
Aggregate 1	**Total**		**kg**	**1866**	**18660**	**18660.0**	**18676.0**	**0.0**	**16.0**	**0.09%**	--	--	+0.0
1000000000	OPC CEMENT	[illegible]	kg	350.0	3500.0	[illegible]	3499.0	0.0	-1.0	-0.03%			
Cement	**Total**		**kg**	**350.0**	**3500.0**	**3500.0**	**3499.0**	**0.0**	**-1.0**	**-0.03%**			
1000000052	WATER	[illegible]	kg	155.0	1550.0	[illegible]	1550.0	0.0	0.0	0.00%			
Water	**Total**		**kg**	**155.0**	**1550.0**	**1550.0**	**1550.0**	**0.0**	**0.0**	**0.00%**			
1000000385	R4PN	[illegible]	kg	5.000	50.000	50.000	50.000	0.000	0.000	0.00%			-0.0
Additives	**Total**		**kg**	**5.000**	**50.000**	**50.000**	**50.000**	**0.000**	**0.000**	**0.00%**			+0.0
Production Total			kg	2376.0	23760.0	23760.0	23775.0	0.0	15.0	0.06%			

Cohesion (kN/m²): **3.1** Water/Cement Ratio (Tar.) **0.443** Water/Cement Ratio (Act.) **0.443** Total Produced Concrete (kg) **23775**

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

e-Batch Concrete Client v4.0.1.0 ©1996-2023 Dedousis Eng.Ltd

Production [illegible]0002-001 of Factory 1

[illegible]/2023 - 13:30:24

[illegible] 7/19/2023 1:20:07 PM [illegible] 7/19/2023 [illegible] PM [illegible] 7/19/2023 1:30:10 PM

[illegible] 12000037749 [illegible]

[illegible] C280/350/CPC/Fiber/[illegible] [illegible] 12:00

[illegible] [illegible] (VAT: 1006275)

Truck: TM206 [illegible] (VAT: 3709)

Cycles: 5 [illegible] 10:55

Material Code	Material Name	CII	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
1000020086	SAND 1.4	[illegible]	kg	780	7800	[illegible]	7781.0	0.0	-7.0	-0.09%	0.2%	0.0%	+0.0
1000000055	Alami DC	[illegible]	kg	538	5380	[illegible]	[illegible]	0.0	1.0	0.02%	0.0%	0.0%	+0.0
1000000419	Alak [illegible]	[illegible]	kg	538	5380	[illegible]	5379.0	0.0	-1.0	-0.02%	0.0%	0.0%	+0.0
Aggregate 1	**Total**		**kg**	**1856**	**18560**	**18560.0**	**18553.0**	**0.0**	**-7.0**	**-0.04%**	--	--	**+0.0**
1000000080	OPC CEMENT	[illegible]	kg	350.0	3500.0	[illegible]	3513.0	0.0	13.0	0.37%			
Cement	**Total**		**kg**	**350.0**	**3500.0**	**3500.0**	**3513.0**	**0.0**	**13.0**	**0.37%**			
1000000092	WATER	[illegible]	kg	140.0	1400.0	1400.0	1402.0	0.0	2.0	0.14%			
Water	**Total**		**kg**	**140.0**	**1400.0**	**1400.0**	**1402.0**	**0.0**	**2.0**	**0.14%**			
1000000385	R4PM	[illegible]	kg	5.000	50.000	50.000	50.100	0.000	0.100	0.20%			+0.0
Additives	**Total**		**kg**	**5.000**	**50.000**	**50.000**	**50.100**	**0.000**	**0.100**	**0.20%**			**+0.0**
Production Total			kg	2351.0	23510.0	23510.0	23513.1	0.0	3.1	0.03%			

Cohesion (kw/m²): 2.8 Water/Cement Ratio (Par.) **0.400** Water/ Cement Ratio (Act.) **0.399** Total Produced Concrete (kg) **23518**

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

e-Batch Concrete Client v4.0.1.0 ©1996-2023 Dedoussis Eng.Ltd

Production [2507190000001-006] of Factory 3

19/07/2025 14:51:14

7/19/2025 2:44:18 PM 7/19/2025 2:51:50 PM

2507190000001-006 1000040763 CAPE ATED

9000001849 C280/350/OPC/Fiber/SRC 8.00

(VAT: 1000273)

TM-76 (VAT: 4861)

4 06:49

Material Code	Material Name		III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
10000000[illegible]	SAND 1.6		A01	kg	800	6400	6400.0	6387.[illegible]	0.0	-13.0	-0.20%	0.0%	0.0%	+0.0
10000000[illegible]	Alamin 50		A02	kg	666	3994	3994.0	3987.[illegible]	0.0	-6.0	-0.15%	0.0%	0.0%	+0.0
10000004[illegible]	Alamin MM 01		A03	kg	598	4784	4784.0	4781.[illegible]	0.0	-3.0	-0.06%	0.0%	0.0%	+0.0
Aggregate 1		Total		kg	1896	15168	15168.0	15146.0	0.0	-22.0	-0.15%	--	--	+0.0
10000000[illegible]	OPC CEMENT		B03	kg	350.0	2800.0	2800.0	2799.0	0.0	-1.0	-0.04%			
Cement		Total		kg	350.0	2800.0	2800.0	2799.0	0.0	-1.0	-0.04%			
10000000[illegible]	WATER		C01	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water		Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
10000000[illegible]	R4PM		D01	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%			+0.0
Production Total				kg	2411.0	19288.0	19288.0	19266.0	0.0	-22.0	-0.11%			

Cohesion (kw/m³): 2.7 Water/Cement Ratio (Par.) 0.457 Water/ Cement Ratio (Act.) 0.458 Total Produced Concrete (kg) 19266

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

Production [2307190000 1-007] of Factory 1

19/07/2023 - 15:04:36 7/19/2023 2:57:16 PM 7/19/2023 7:07:13 PM 7/19/2023 3:05:02 PM

2307190000 1-007 1000040763 COMPLETED

900000 6180/330/OPC/Bidar/RST 0.00

(VAT: 1000273)

IM201 (VAT: 5266)

4 Production 07:02

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois %	Abs. %	Existing Water
1005000056	SAND 1.4	A01	kg	800	6400	6400.0	6395.0	0.0	-5.0	-0.08%	0.0%	0.0%	+0.0
1005000085	Alamin F2	A02	kg	498	3984	3984.0	3977.0	0.0	-8.0	-0.15%	0.0%	0.0%	+0.0
1000000019	Alamin PN	A03	kg	598	4784	4784.0	4777.0	0.0	-7.0	-0.15%	0.0%	0.0%	+0.0
Aggregate 1	Total		kg	1896	15168	15168.0	15150.0	0.0	-18.0	-0.12%	--	--	+0.0
1001000000	OPC CEMENT	B03	kg	350.0	2800.0	2801.0	2801.0	0.0	0.0	0.00%			
Cement	Total		kg	350.0	2800.0	2800.0	2800.0	0.0	0.0	0.00%			
1000000052	WATER	C01	kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
1000000383	R4PN	D01	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%			+0.0
Production Total			kg	2411.0	19288.0	19288.0	19271.0	0.0	-17.0	-0.09%			

Cohesion (kw/m²): 1.9 Water/Cement Ratio (Tar.) 0.457 Water/ Cement Ratio (Act.) 0.458 Total Produced Concrete (kg) 19271

Ambiant Temperature during mix: 20.00 °C Mixture Temperature During mix: 20.00 °C

SUBMISSION of TEST RESULTS

Green Line

Location Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار			
Contractor Reference				Revision 00

	Name	Sign	TRF	DD	MM	YY	HH	MM
Received by ER				25	10	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 (441+808 TO 441+868) 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 7 day			
2				
3				
4				
5				

Comments by: SGAC	Comments by: SYSTRA
M.Adel the test Results is APPRoved	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and Concrete cubes are contractor and SGAC consultant responsibility.

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار			A
QA/QC	م / محمود عادل	M.Adel		A
GARB *	م /مصطفى نجم			A
Employers Representative	Mohamed Mohsen	M. Mohsen	25.10.23	A

* Alignment / Bridges: Culvert Only

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

CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الاستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 19-08-2023
Report No : 120
Location : Slop Protection Left

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
12-8-2023	19-8-2023	7	St. (441+808): (441+868)	8206	8238	2.44	787	357	352	126
				8299			851	386		
				8208			693	314		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ وتكسير العينات

Signature

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

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CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الاستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 20-08-2023
Report No : 122
Location : Slop Protection

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
13-8-2023	20-8-2023	7	St. (444+800) : (444+860) Left , St. (441+808) : (441+868)	8106	8159	2.42	792	359	381	136
				8224			879	398		
				8147			852	386		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية التوريد وطبيعة الجهات

Signature /...

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

IAS ACCREDITED Testing Laboratory

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SUBMISSION of TEST RESULTS

++Green Line

LoOcation Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SEGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار	م. النجار		
Contractor Reference				Revision 00

	Name	Sign	TRF	DD	MM	YY	HH	MM
Received by ER				25	10	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 (441+808 TO 441+868) for Slope protection at right side
Location of Test	Station from 441+600 to 444+600

Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	Compression test 6 concrete cubes at 7 day	290 Kg/cm²	352 Kg/cm²	Pass
2	Compression test 6 concrete cubes at28 day	250 Kg/cm²	415 Kg/cm²	Pass
3	Compression test 6 concrete cubes at 7 day	250 Kg/cm²		
4	Compression test 6 concrete cubes at28 day	250 Kg/cm²		
5				

Comments by: SEGAC M. Adel	Comments by: SYSTRA
The test Resolt is approved	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and Concrete cubes on Contractor and SEGAC Consulte responsibility.

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار	م. النجار		A
Designer	م / محمود عادل	M. Adel		A
GARB *	م /مصطفى نجم			A
Employers Representative	mohamed Nasr		25.10.23	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

	Name	Sign	Date	Time
Issued by Contractor	م/محمد النجار	محمد النجار		
Contractor Reference				Revision
Received by ER				

STR	C1	C2	C3	DD	MM	YY	HH	MM
	KP	EN	MS	31	8	23	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 KG/cm²	267 KG/cm²	
2	Compression test 6 concrete cubes at28 day	250 KG/cm²	312 KG/cm²	
3				
4				
5				

Comments by: M. Adel	Comments by:

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار	محمد النجار		
Designer				
GARB *	M. Kegm			
Employers Representative	Mohamed Shaker		31/8/2023	A

* Alignment / Bridges: Culvert Only

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

SUBMISSION OF DOCUMENTS

EGYPT STONE FOR MINING & SUPPLIES

SYSTRA SHAKER

Location Name	Contractor Company	Designer Company
EET- EL ALAMIN &ELDABAA		

	Name	Sign	Date	Designation
Contractor ISSUED	م/محمد النجار	م/محمد النجار		
Contractor Reference				Revision
Designer RECEIPT	Name	Sign	Date	Designation
	M. Negm		5/5/2022	
Designer Reference				Revision

NB: Package ١ Only (Package ٢ via Aconex)

THE FOLLOWING DOCUMENTS ARE ATTACHED FOR REVIEW

Item	Document No	Revision	Title	Number of Sheets
١	clibration		prequalification of UNI MIX batch plant	
٢	certificate			
٣	Design mix			
٤				
٧				
٨				
٩				

Designer Comments:

	Name	Sign	Date	Designation
Designer REPLY				

	Name	Sign	Designation
ER RECEIPT	Mohamed Esmail		Senior G Alcor

Note: Response to Contractor shall be by Letter with Any comments attached	ER Document No: SUB	C	CT	CT	DD	MM	YY	HH	MM
		CU							

CODE-١ S١ to S٢٠ Station Reference	CODE-١ D١ to D٢٠ Depot Reference	CODE-١ Ep XX.X For Kilometer point only	CODE-٢ Work Activity	CODE-٢ Sub Element of Activity

AWC

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CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الإستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 09-09-2023
Report No : 324
Location : Slop Protection Right

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
12-8-2023	9-9-2023	28	St. (441+808) :(441+868)	8206	8349	2.47	977	443	415	166
				8371			795	360		
				8470			979	443		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية اخذ و معالجة العينات

Signature /.....

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Consulting Engineering Bureau & Laboratories
مكتب معامل الاستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 10-09-2023
Report No : 325
Location : Slop Protection

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
13-8-2023	10-9-2023	28	St. (441+800) : (441+860) Left , (441+808) : (441+868) Right	8032	8174	2.42	971	440	450	180
				7994			968	439		
				8495			1041	472		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ و معالجة العينات

Signature

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Permission [illegible] of Factory 1

[illegible] 12/06/2023 - 17:47:06

12/06/2023 17:46:35 12/06/2023 17:49:58 12/06/2023 [illegible]

[illegible] 2306120001-011 [illegible] 20000041873 [illegible] COMPLETED

[illegible] 9000001869 [illegible] C280/330/GEC/Flow/[illegible]

[illegible] الجمعية ملون للتعدين و التوريدات (VAT: 1000273)

[illegible] TM176 [illegible] عبد الرحمن جمال (VAT: 5613)

[illegible] 4 Production Time: 06:57

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist. %	Abs. %	Existing Water
[illegible]	SAND I.6	A01	kg	900	6400	6400.0	6396.0	0.0	-4.0	-0.06%	0.0%	[illegible]	+0.0
[illegible]	Alamin 02	A02	kg	498	3984	3984.0	3998.0	0.0	14.0	0.35%	0.0%	[illegible]	+0.0
[illegible]	Alamin SM D1	A03	kg	598	4784	4784.0	4777.0	0.0	-7.0	-0.15%	0.9%	[illegible]	+0.0
Aggregate 1	**Total**		**kg**	**1996**	**15168**	**15168.0**	**15171.0**	**0.0**	**3.0**	**0.02%**	--	--	**+0.0**
[illegible]	GEC CEMENT	B04	kg	350.0	2800.0	2776.0	2796.0	0.0	-4.0	-0.14%			
Cement	**Total**		**kg**	**350.0**	**2800.0**	**2800.0**	**2796.0**	**0.0**	**-4.0**	**-0.14%**			
[illegible]	WATER	C01	kg	160.0	1280.0	1280.0	1280.0	0.0	0.0	0.00%			
Water	**Total**		**kg**	**160.0**	**1280.0**	**1280.0**	**1280.0**	**0.0**	**0.0**	**0.00%**			
[illegible]	R4PM..	D02	kg	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Additives	**Total**		**kg**	**5.750**	**46.000**	**46.000**	**46.000**	**0.000**	**0.000**	**0.00%**			**+0.0**
Production Total			**kg**	**2411.8**	**19294.0**	**19294.0**	**19293.0**	**0.0**	**-1.0**	**-0.01%**			

Cohesion (kw/m²): **1.8** Water/Cement Ratio (Tar.) **0.457** Water/Cement Ratio (Act.) **0.458** Total Produced Concrete (Kg) **19293**

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

Production (210817[illegible]) of Factory 1

[illegible] 12/08/2021 - 12:11:18

[illegible] 12/08/2021 12:03:14 [illegible] 12/08/2021 [illegible] 12/08/2021 12:11:37

[illegible] 2310[illegible] 1200[illegible]

[illegible] 5061[illegible]2849 0201/350/080/[illegible] [illegible]

[illegible] (VAT: 1000279)

[illegible] TM176 [illegible] (VAT: 4861)

[illegible] 4 [illegible] 07:28

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
1000000056	CONR 1.4	[illegible]	[illegible]	400	6400	6400.0	6401.0	0.0	1.0	[illegible]	0.0	0.0	+0.0
1000000057	Aramix 32	[illegible]	[illegible]	248	3964	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	0.0	+0.0
1000000419	Aramix 60 01	[illegible]	[illegible]	298	4784	[illegible]	[illegible]	0.0	1.0	[illegible]	0.0	0.0	+0.0
Aggregate 1	**Total**		**kg**	**1895**	**15168**	**15168.0**	**15171.0**	**0.0**	**3.0**	**0.02%**	**--**	**--**	**+0.0**
1000000000	OPC CEMENT	[illegible]	[illegible]	350.0	2800.0	[illegible]	[illegible]	0.0	11.0	[illegible]			
Cement	**Total**		**kg**	**350.0**	**2800.0**	**2800.0**	**2811.0**	**0.0**	**11.0**	**0.39%**			
1000000051	WATER	[illegible]	[illegible]	160.0	1280.0	[illegible]	[illegible]	0.0	1.0	[illegible]			
Water	**Total**		**kg**	**160.0**	**1280.0**	**1280.0**	**1281.0**	**0.0**	**1.0**	**0.08%**			
1000000385	R4PN..	[illegible]	[illegible]	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Additives	**Total**		**kg**	**5.750**	**46.000**	**46.000**	**46.000**	**0.000**	**0.000**	**0.00%**			**+0.0**
Production Total			**kg**	**2411.8**	**19294.0**	**19294.0**	**19309.0**	**0.0**	**15.0**	**0.08%**			

Cohesion (kN/m²): 1.8 Water/Cement Ratio (Tar.) 0.457 Water/Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19309

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

[illegible] (VAT: 10002234)
[illegible] SM162 [illegible] (VAT: 5001)
[illegible] 4 [illegible] 06:40

Material Code	Material Name			Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
[illegible]	SAND [illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15172.0	0.0	4.0	0.03%	--	--	+0.0
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]			
Cement	Total		kg	350.0	2800.0	2800.0	2808.0	0.0	8.0	0.29%			
[illegible]	WATER	[illegible]	kg	165.0	1320.0	[illegible]	[illegible]	0.0	2.0	0.15%			
Water	Total		kg	165.0	1320.0	1320.0	1322.0	0.0	2.0	0.15%			
[illegible]	[illegible]	[illegible]	kg	5.750	46.000	46.000	46.010	0.000	0.010	0.02%			+0.0
Additives	Total		kg	5.750	46.000	46.000	46.010	0.000	0.010	0.02%			+0.0
Production Total			kg	2416.8	19334.0	19334.0	19348.0	0.0	14.0	0.07%			

Cohesion (kg/m³): 0.0 Water/Cement Ratio (Tar.) 0.471 Water/ Cement Ratio (Act.) 0.471 Total Produced Concrete (kg) 19348
Ambient Temperature during Mix:20.00 °C Mixture Temperature during Mix:20.00 °C

(VAT: 1000273)

(VAT: 4360)

26:25

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
[illegible]	[illegible]	[illegible]	kg	800	6400	[illegible]	6367.3	0.0	[illegible]	-0.51	0.0	0.0	[illegible]
[illegible]	[illegible]	[illegible]	kg	499	3992	[illegible]	3986.3	0.0	[illegible]	0.01	0.0	0.0	[illegible]
[illegible]	[illegible]	[illegible]	kg	595	4794	[illegible]	4788.3	0.0	[illegible]	0.06	0.0	0.0	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15141.0	0.0	-27.0	-0.18%	--	--	+0.0
[illegible]	CEMENT	[illegible]	kg	350.0	2800.0	[illegible]	2806.0	0.0	[illegible]	0.21%			
Cement	Total		kg	350.0	2800.0	2800.0	2806.0	0.0	6.0	0.21%			
[illegible]	WATER	[illegible]	kg	160.0	1280.0	1280.0	1280.0	0.0	[illegible]	0.00%			
Water	Total		kg	160.0	1280.0	1280.0	1280.0	0.0	0.0	0.00%			
[illegible]	R4FM..	[illegible]	kg	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Additives	Total		kg	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Production Total			kg	2411.8	19294.0	19294.0	19273.0	0.0	-21.0	-0.11%			

Consistence (cm/m): 2.4 Water/Cement Ratio (Tar.) 0.457 Water/ Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19273

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

Production [illegible] of Factory [illegible]

[illegible] 12/10/2023 11:43:33

[illegible] 12/10/2023 11:36:45 | 12/10/2023 [illegible]

[illegible] (VAT: 20000273)

TM005 [illegible] (VAT: 4360)

[illegible] 06:37

Material Code	Material Name		III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Mois. %	Abs. %	Existing Water
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1		Total		kg	1896	15168	15168.0	15156.0	0.0	-12.0	-0.08%	--	--	+0.0
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
Cement		Total		kg	350.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%			
[illegible]	[illegible]		[illegible]	kg	165.0	1320.0	[illegible]	1321.0	0.0	1.0	[illegible]			
Water*		Total		kg	165.0	1320.0	1320.0	1321.0	0.0	1.0	0.08%			
[illegible]	[illegible]		[illegible]	kg	6.000	48.000	48.000	47.900	0.000	-0.100	[illegible]			+0.0
Additives		Total		kg	6.000	48.000	48.000	47.900	0.000	-0.100	-0.21%			+0.0
Production Total				kg	2417.0	19336.0	19336.0	19333.9	0.0	-2.1	-0.01%			

Cohesion (kW/m) : 2.6 Water/Cement Ratio (Tar.) 0.471 Water/ Cement Ratio (Act.) 0.470 Total Produced Concrete (kg) 19334

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

Material Code	Material Name		III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moist. %	Abs.	Existing Water
Aggregate 1	Total	kg			1856	15168	15168.0	15158.0	0.0	-10.0	-0.07%	--	--	+0.0
Cement	Total	kg			330.0	2800.0	2800.0	2809.0	0.0	9.0	0.32%			
Water	Total	kg			160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
Additives	Total	kg			5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Production Total		kg			2411.8	19294.0	19294.0	19294.0	0.0	0.0	0.00%			

2.5 Water/Cement Ratio Tar.:0.457 Water/Cement Ratio (Act.):0.455 Total Produced Concrete (kg) 19294

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

Material Code	Material Name	III	II	Target m³	Target Theor.	Target Corr.	Actual	Manual	Difference	Deviation %	Moir %	Abs. %	Testing Water
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aggregate 1	Total		kg	1896	15168	15168.0	15201.0	0.0	33.0	0.22%	--	--	+0.0
[illegible]	[illegible] CEMENT	[illegible]	kg	[illegible]	[illegible]	[illegible]	2811.0	[illegible]	11.0	0.39%			
Cement	Total		kg	350.0	2800.0	2800.0	2811.0	0.0	11.0	0.39%			
[illegible]	[illegible]	[illegible]	kg	[illegible]	[illegible]	[illegible]	1281.0	[illegible]	1.0	0.08%			
Water	Total		kg	160.0	1280.0	1280.0	1281.0	0.0	1.0	0.08%			
[illegible]	[illegible]	[illegible]	kg	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			-0.0
Additives	Total		kg	5.750	46.000	46.000	46.000	0.000	0.000	0.00%			+0.0
Production Total			kg	2411.5	19294.0	19294.0	19339.0	0.0	45.0	0.23%			

Consumption (kg/m³): 1.8 Water/Cement Ratio (Ter.) 0.457 Water/ Cement Ratio (Act.) 0.456 Total Produced Concrete (kg) 19339
Ambient Temperature during mix: 20.00 °C Mixture Temperature during mix: 20.00 °C

SUBMISSION of TEST RESULTS

Green Line

Location Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار			
Contractor Reference				Revision 00

	Name	Sign	TRF	DD	MM	YY	HH	MM
Received by ER				25	10	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 (441+868 TO 441+940) 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 7 day			
2				
3				
4				
5				

Comments by: SGAC m. Adel	Comments by: SYSTRA
The Test Result is Approved	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and Concrete Cubes on Contractor and SGAC Consultant responsibility.

APPROVAL STATUS

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

* Alignment / Bridges: Culvert Only

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

CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الاستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 18-07-2023
Report No : 66
Location : Slop Protection Right

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
11-7-2023	18-7-2023	7	St.(441+864) :(441+940), (441+940) : (442+048)	8580	8343	2.47	607	275	325	116
				8266			716	324		
				8184			829	376		
				8131	8245	2.44	684	310	326	116
				8472			767	347		
				8132			706	320		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ و معالجة العينات

Signature

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مكتب معامل الإستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 19-07-2023
Report No : 41
Location : Slop Protection Right

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

Mix ID : C 400/420 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density $(gm/cm)^3$	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days								
12-7-2023	19-7-2023	7	St. (441+864) : (441+940) , (441+940) : (442+048) , (441+700) : (441+808)	8294	8305	2.46	656	297	301	75
				8300			603	273		
				8321			737	334		
				8345	8419	2.49	734	333	335	84
				8531			757	343		
				8380			725	328		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ ومعالجة العينات

Signature /

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SUBMISSION of TEST RESULTS

Green Line

Location Name	Contractor Company	Designer Company
El Daba	EGYPT STONE	SGAC

	Name	Sign	Date	Designation
Issued by Contractor	م/محمد النجار			
Contractor Reference				Revision 00

	Name	Sign	TRF	DD	MM	YY	HH	MM
Received by ER				25	10	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 (442+048 TO 442+120) 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 7 day			
2				
3				
4				
5				

Comments by: SGAC M.Adel	Comments by: SYSTRA
The Test Result is Approved.	1- Contractor and his consultant have to fullfill 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 Responsability 4- Pouring and concrete cubes are contractor and SGAC Responsility

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	م/محمد النجار			A
QA/QC	م / محمود عادل	M.Adel		A
GARB *	م /مصطفى نجم			A
Employers Representative	Mohamed Mahe	M.Mahe	25/10/23	A

* Alignment / Bridges: Culvert Only

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

CEL
Consulting Engineering Bureau & Laboratories
مكتب معامل الإستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 17-07-2023
Report No : 146
Location : Slop Protection Right

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (gm)	AVG Weight (gm)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				$(gm/cm)^3$				
10-7-2023	17-7-2023	7	St. (442+048) : (442+120) , St. (442+136) : (442+200) , St. (442+200) : (442+240) , St. (442+240) : (442+288)	8215	8219	2.44	602	273	275	98
				8207			612	277		
				8236			608	275		
				8161	8213	2.43	520	236	253	101
				8364			622	282		
				8114			531	241		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ و معالجة العينات

Signature /.....

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

IAS ACCREDITED Testing Laboratory

٣ ش الملك الأفضل
الزمالك - القاهرة
تليفون + فاكس : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣
www.cel-egypt.com

CEL
Consulting Engineering Bureau & Laborstories
مكتب معامل الإستشارات الهندسية

Company Name : Egypt Stone
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Report Date : 18-07-2023
Report No : 67
Location : Slop Protection left(442+048) : (442+120), Slop Protection Right(442+136) : (442+200)

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

Mix ID : C280/350 OPC

Date of		Age	Location	Weight (Kg)	AVG Weight (Kg)	Density	Load (k.N)	Strength (Kg/cm^2)	Ave. Strength (Kg/cm^2)	Percentage %
Casting	Testing	Days				(gm/cm)^3				
11-7-2023	18-7-2023	7	(442+048) : (442+120), (442+136) : (442+200)	8213	8234	2.44	703	318	344	123
				8132			821	372		
				8357			757	343		

Note: تم توريد المكعبات بواسطة العميل والمعمل غير مسئول عن كيفية أخذ و معالجة العينات

Signature /

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أعمال الجسر الترابي لمشروع القطار الكهربائي السريع
قطاع العلمين / فركة
في المسافة من كم ٦٠٠ +٤٤١ الى كم ٦٠٠+٤٤٢ بطول ٢كم (اتجاه العلمين)

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر الفئة	الاجمالى
٤	طبقات الاساس				
٤ - ١	بالنثر المكعب أعمال توريد و فرش طبقة تأسيس (Prepared Subgrade) من الأحجار الصلبة المتدرجة ناتج تكسير الكسارات و المطابقة للمواصفات واقصي حجم للحبيبات ١٠٠مم والاتزيد نسبة المار من منخل ٢٠٠ عن ١٢٪ والتدرج الوارد بالاشتراطات الخاصة بالمشروع لا تقل نسبة تحمل كاليفورنيا عن٢٥ ٪ والاتزيد نسبة الفاقد بجهاز لوس انجلوس عن ٣٠٪ والا يزيد الامتصاص عن ١٥٪ و الا يقل معامل المرونه (٢EV) من تجربة لوح التحميل عن ٨٠ ميجابسكال و يتم فردها على طبقتين باستخدام الات 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 اقصى كثافة جافة قصوى (لا تقل عن ٩٥٪) من الكثافة المعملية و الفئة تشمل اجراء التجارب المعملية و الحقلية و يتم التنفيذ طبقاً لاصول الصناعة و الرسومات التفصيلية المعتمدة و البند بجميع مشتملاته طبقاً للمواصفات الفنية للمشروع و تقرير الاستشارى و تعليمات المهندس المشرف. - مسافة النقل لاتقل عن ٢٠كم. - يتم احتساب علاوة ١.٢جنيه لكل ١كم بالزيادة او النقصان. - السعر يشمل قيمة المواد المحجرية طبقا لافادة المنطقة بهذا القطاع (٦) من الكم ٣٩٥ الى الكم ٥٠٤	م٣	١٥١٥٥.٩٢	٢٧٨	٤٢١٣٣٤٩
	علاوة مسافة النقل ١٧٥كم.	م٣	١٥١٥٥.٩٢	١٨٦	٢٨١٩٠٠٣
	علاوة تحصيل رسوم الكارتة والموازين طبقا للائحة الشركة الوطنية	م٣	١٥١٥٥.٩٢	٢٥	٣٧٨٨٩٨
٤ - ٢	بالنثر المكعب أعمال توريد و فرش طبقة أساس من الاحجار الصلبة المتدرجة ناتج تكسير الكسارات و المطابقة للمواصفات و اقصى حجم للحبيبات ما بين ٣١.٥ مم الى ٤٠ مم و الا يزيد نسبة المار من منخل ٢٠٠ عن ٥٪ والتدرج الوارد بالاشتراطات الخاصة بالمشروع لاتقل نسبة تحمل كاليفورنيا عن ٨٠٪ و الا تقل معامل المرونه (٢EV) من تجربة لوح التحميل عن ١٢٠ ميجابسكال و الا يزيد نسبة الفاقد بجهاز لوس انجلوس عن ٣٠٪ والا يزيد الامتصاص عن ١٥٪ و يتم فردها على طبقتينباستخدام آلات التسوية الحديثة على ان لا يزيد سمك الطبقة بعد تمام الدمك عن ٢٠ سم و رشها بالمياة الاصولية للوصول الى نسبة الرطوبة المطلوبة و الدمك الجيد بالهراسات للوصول الى اقصى كثافة جافة قصوى (لا تقل عن ١٠٠٪ من الكثافة المعملية) و الفئة 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 الاستشارى، و تعليمات المهندس المشرف. مسافة النقل لاتقل عن ٢٠كم. - يتم احتساب علاوة ١.٢جنيه لكل ١كم بالزيادة او النقصان.	م٣	١٢٠٠٠	٢٩٨	٣٥٧٦٠٠٠

ملحوظة : أسعار البنود تقديرية ولحين التفاوض .

EGYPT STONE For Mining & Supplies

أعمال الجسر الترابي لمشروع القطار الكهربائي السريع
قطاع الملسين / فوكة
في المسافة من كم ٦٠٠ ٤٤٤٥ الى كم ٦٠٠+٤٤٣ بطول ٢كم (اتجاه الاسكندرية)

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر الفئة	الاجمالى
	- السعر يشمل قيمة المواد المحجرية طبقا لافادة المنطقة بهذا القطاع (٦) من الكم ٣٩٥ الى الكم ٥٠٤				
	علاوة مسافة النقل ١٧٥كم	م٣	١٢٠٠٠	١٨٦	٢٢٣٢٠٠٠
	علاوة تسجيل رسوم الكفارة والموازين طبقا للائحة الشركة الوطنية	م٣	١٢٠٠٠	٢٥	٣٠٠٠٠٠
٥	البلاطات الخرسانية				
٥- ١	بالمتر المسطح أعمال توريد وصب خرسانة عادية سملك ١٥سم لحماية الاكتاف والميول الجانبية تتكون من ٠.٨م٣ سن دولوميت متدرج +٠.٤م٣ رمل محرش +٢٥٠ كجم اسمنت بورتلاندى عادى +غير علي ان يكون السن نظيف ومغسول والرمل خالى من الشوائب والحفنه والاملاح والمواد الغريبه والبند يشمل تجهيز واستعدال مناسيب التربة الطبيعية أسفل البلاطه للوصول إلى المناسيب التصميميه على أن تحقق الخرسانه إجهاد لايقل عن ٢٥٠كجم/سم٢ وتشليب السطح والتنفيذ طبقا لاصول الصناعه والرسومات التفصيليه المعتمده والبند بجميع مشتملاته طبقاً لمواصفات الهيئة العامة للطرق والكبارى وتعليمات المهندس المشرف.	م٢	١٨٢٥٥.٦٣	٢٥٥	٦٤٨٠٧٥٠

ملحوظة : أسعار البنود تقديرية ولحين التفاوض .