الهيئة العامة
للطرق و الكبارى و النقل البرى
(GARBLT)
وزارة النقل

EnTrans
CONSULTING

SAMCO
EGYPT

بيان معدات المقاول

رقم المستخلص جارى٥ ٢٠٢٤/١٠/١٥

اسم العملية : عملية :- استكمال تنفيذ أعمال الجسر الترابى بقطاعات المشروع ضمن مشروع إنشاء القطار الكهربائى السريع (السخنة - العلمين - العاصمة الإدارية - مطروح) لتنفيذ المسافة من الكم ١٢٤+٠٠ إلى الكم ١٤٠+٠٠ بطول ١٦ كم (اتجاه أكتوبر)

تاريخ توقيع العقد : ٢٠٢٢/١١/٢٩

المقاول المنفذ : شركة سامكو الوطنية للتشييد

مسلسل	الاسم	الوظيفة
1	لودر	13
2	بلدوزر	3
3	جريدر	9
4	حفار	5
5	قلاب	28
6	هراس	12
7	تانك مياه	25
8	محطة خرسانة	1
9	جرار زراعي ليزر	2
10	ضاغط هواء	2

مدير المشروع المقاول

مهندس مكتب إنترانس

EnTrans CONSULTING
مشروع القطار السريع - الخط الأول

مدير مشروع الهيئة

الهيئة العامة
للطرق و الكبارى و النقل البرى
(GARBLT)
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بيان الجهاز الفني للمقاول

رقم المستخلص جارى٥ ٢٠٢٤/١٠/١٥

اسم العملية : عملية :- استكمال تنفيذ أعمال الجسر الترابى بقطاعات المشروع ضمن مشروع إنشاء القطار الكهربانى السريع (السخنة - العاصمة الإدارية - العلمين - مطروح) لتنفيذ المسافة من الكم ١٢٤+٠٠ إلى الكم ١٤٠+٠٠ بطول ١٦ كم (اتجاه أكتوبر)

تاريخ توقيع العقد : ٢٠٢٢/١١/٢٩

المقاول المنفذ : شركة سامكو الوطنية للتشييد

مسلسل	الاسم	الوظيفة
1	حسن عبد المنعم عيد	مدير التنفيذ للطرق
2	مصطفى محمود	مدير المكتب الفني
3	أحمد محمد المهدي	مدير ضبط الجودة
4	محمد سمير بنيامين	مدير السلامة الوقائية
5	ضياء محمود	مهندس تنفيذ طرق
6	محمد القائد	مهندس صيانة
7	محمد طارق	مهندس تخطيط و برمجة زمنية
8	رمضان وهبة	مراقب تنفيذ
	عادل المرشدى	مراقب تنفيذ
	عبد الله رمزي	فني مواد
	حسام حسن	فني مواد
9	محمد عوض	حاسب كميات
10	السيد صابر	فني سلامة مرورية
	رضا معوض	فني سلامة مرورية
11	نادر سعد	مساح
	ياسر ريان	مساح

مدير المشروع المقاول

مهندس مكتب الترانس

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مشروع القطار السريع - الخط الأول

مدير مشروع الهيئة

كميات الردم مسار القطار السريع شركة سامكو بند رقم (٣)

Station	Fill Area (Sq.M.)	Fill Volume (Cu.M.)	Cum. Fill Vol. (Cu.M.)	مسافات النقل
123+980.00	221.23	2201.8	2,201.80	حتي ١٢ كم
124+000.00	211.58	4328.14	6,529.94	حتي ١٢ كم
124+010.00	170.57	1910.78	8,440.72	حتي ١٢ كم
124+020.00	35.64	1031.06	9,471.78	حتي ١٢ كم
138+280.00	252.19	6050.59	15,522.37	حتي ٥ كم
138+300.00	282.47	5346.62	20,868.99	حتي ٥ كم
138+320.00	271.78	5542.45	26,411.44	حتي ٥ كم
138+340.00	252.17	5239.45	31,650.89	حتي ٥ كم
138+360.00	246.45	4986.22	36,637.11	حتي ٥ كم
138+380.00	241.89	4883.46	41,520.57	حتي ٥ كم
اجمالي الردم حتي مسافة ٥ كم			32,048.79	حتي ٥ كم
إجمالى مسافة النقل حتى ١٢ كم			9,471.78	حتي ١٢ كم
اجمالي الردم			**41,520.57**	

شركة سامكو
م/ مصطفى محمود

مكتب XYZ
م/أحمد هشام

مكتب انترانس
م/عبدالمنعم على

الهيئة العامة للطرق والكبارى
م/ أسماء على

كميات (Prepared Subgrade) بند رقم ٤

Station	Area	Volume	Cumulative	Notes
123+970	5.86	0	0.00	
123+980	5.86	58.55	58.55	
124+000	5.86	117.11	175.66	
124+020	5.86	117.11	292.77	
124+040	5.86	117.11	409.87	
124+060	5.86	117.11	526.98	
138+240	19.57	391.5	918.48	
138+260	19.57	391.5	1,309.98	
138+280	8.04	276.12	1,586.10	
138+300	8.04	160.74	1,746.84	
138+320	8.04	160.74	1,907.58	
138+340	8.04	160.74	2,068.32	
138+360	8.04	160.74	2,229.06	
138+380	8.04	160.74	2,389.80	
138+400	8.04	160.74	2,550.54	
اجمالي			2550.54	

شركة سامكو	مكتب XYZ	مكتب انترانس	الهيئة العامة للطرق والكبارى
م/مصطفى محمود	م/أحمد هشام	م/عبدالمنعم على	م/ أسماء على

مشروع القطار الكهربائي السريع - الخط الأول

مشروع القطار السريع شركة سامكو من محطة ١٢٤+٠٠٠ حتي محطة ١٤٠+٠٠٠ اتجاه أكتوبر بطول ١٦,٠ كم				

مشروع القطار السريع شركة سامكو من محطة ١٢٤+٠٠٠ حتي محطة ١٤٠+٠٠٠ اتجاه أكتوبر بطول ١٦,٠ كم

حصر اعمال SUBGRADE بالمشروع بند رقم ٤

م	البند	SUBGRADE	محاضر SUBGRADE	الاجمالي
1	مسار القطار السريع SUBGRADE	2550.54	0	2550.54
2	مخرج ومدخل الورش والوصله SUBGRADE	8755	0	8755
3	Technical Block	17021.65	0	
	الاجمالي	28327.19	0	28327.19

الاجمالي	حتي ٣١-٥-٢٠٢٢	من ٣١-٥-٢٠٢٢	ملاحظات
28327.19	0	28327.19	

مهندس الشركة المنفذة	مهندس مكتب xyz	مهندس مكتب انترانس	مدير مشروع الهيئة العامة للطرق والكباي
م/ مصطفى محمود	م / أحمد هشام	م/ عبدالمنعم علي	م/ اسماء علي الشاذلي

SAMCO EGYPT

XYZ
مشروع القطار السريع

EnTrans CONSULTING

الهيئة القومية للأنفاق

الهيئة العامة
للطرق و الكبارى و النقل البرى
(GARBLT)
وزارة النقل

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مشروع القطار السريع شركة سامكو من محطة ۰۰۰+۱۲٤ حتي محطة ۰۰۰+۱٤۰ اتجاه أكتوبر بطول ۱٦,۰ كم

حصر اعمال SUBBALLST بالمشروع بند رقم ٥

م	البند	SUBBALLST	محاضر SUBBALLST	الاجمالي
1	مسار القطار السريع SUBBALLST	7236.83	0	7236.83
2	مخرج ومدخل الورش والوصله SUBBALLST	5887.16	0	5887.16
	الاجمالي	13123.99	0	13123.99

الاجمالي	حتي ٣١-٥-٢٠٢٢	من ٣١-٥-٢٠٢٢	ملاحظات
13123.99	0	13123.99	

شركة سامكو	مكتب xyz	مكتب انترانس	الهيئة العامة للطرق والكبارى
م / مصطفى محمود	م / أحمد هشام	م / عبدالمنعم علي	م/ اسماء على الشاذلى

كميات (SubBallast) بند رقم ٥

Station	Area	Volume	Cumulative	Notes
123+970.00	5.86	0	0	
123+980.00	5.86	58.55	58.55	
124+000.00	5.86	117.11	175.66	
124+020.00	5.86	117.11	292.77	
124+040.00	5.86	117.11	409.88	
124+060.00	5.86	117.11	526.99	
124+080.00	5.86	117.11	644.1	
124+100.00	5.86	117.11	761.21	
136+840	18.96	379.2	1140.41	
136+860	18.96	379.2	1519.61	
136+880	18.96	379.2	1898.81	
136+900	18.96	379.2	2278.01	
136+920	18.96	379.21	2657.22	
136+940	15.12	340.8	2998.02	
136+960	15.12	302.4	3300.42	
136+980	15.12	302.4	3602.82	
137+000	15.12	302.4	3905.22	
137+020	15.12	302.4	4207.62	
137+040	15.12	302.4	4510.02	
137+060	15.12	302.4	4812.42	
137+080	15.12	302.4	5114.82	
137+100	15.12	302.4	5417.22	
137+120	15.12	302.4	5719.62	
138+240	15.12	302.4	6022.02	
138+260	15.12	302.4	6324.42	
138+280	5.86	209.75	6534.17	
138+300	5.86	117.11	6651.28	
138+320	5.86	117.11	6768.39	
138+340	5.86	117.11	6885.5	
138+360	5.86	117.11	7002.61	
138+380	5.86	117.11	7119.72	
138+400	5.86	117.11	7236.83	
اجمالي			7236.83	

شركة سامكو	مكتب XYZ	مكتب انترانس	الهيئة العامة للطرق والكبارى
م/مصطفى محمود	م/ أحمد هشام	م/ عبدالمنعم علي	م/ أسماء على

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كميات خرسانة الميول شركة سامكو بند رقم (٧-١)

مشروع القطار السريع شركة سامكو من محطة ٠٠٠+١٢٤ حتي محطة ٠٠٠+١٤٠ للاتجاهين (ب) بطول ١٦,٠ كم

حصر اعمال الخرسانه بالمشروع بند رقم ٧ -١

Station		Side	Quantity (m2)	Notes
from	to			
0+000	0+540	LEFT (ENTRANSE)	7,839	CUT ZONE
0+540	0+840	LEFT (ENTRANSE)	2,248	CUT ZONE
0+840	1+170	LEFT (ENTRANSE)	3,651	CUT ZONE
0+160	0+670	LEFT (EXIT)	4,684	FILL ZONE
0+900	1+360	LEFT (EXIT)	3,480	FILL ZONE
1+360	1+500	LEFT (EXIT)	1,078	CUT ZONE
124+130	124+160	LEFT	503	FILL ZONE
124+160	124+360	LEFT	2,944	FILL ZONE
124+360	124+390	LEFT	193	FILL ZONE
124+390	124+540	LEFT	834	FILL ZONE
127+630	127+780	LEFT	3,067	FILL ZONE
127+780	127+900	LEFT	2,371	FILL ZONE
127+900	128+380	LEFT	7,590	FILL ZONE
128+380	128+700	LEFT	2,818	FILL ZONE
128+860	129+610	LEFT	4,194	FILL ZONE
129+610	129+720	LEFT	823	CUT ZONE
130+200	130+380	LEFT	1,229	FILL ZONE
131+410	131+530	LEFT	845	FILL ZONE
131+700	131+800	LEFT	690	FILL ZONE
131+900	131+940	LEFT	321	FILL ZONE
132+420	132+440	LEFT	207	FILL ZONE
132+440	133+220	LEFT	7,770	FILL ZONE
133+220	133+300	LEFT	525	FILL ZONE
133+300	133+500	LEFT	1,519	CUT ZONE
134+200	134+320	LEFT	980	CUT ZONE
134+320	135+040	LEFT	3,485	FILL ZONE
135+040	135+250	LEFT	1,555	CUT ZONE
135+250	135+640	LEFT	2,262	FILL ZONE
135+640	135+810	LEFT	951	FILL ZONE
135+810	135+830	LEFT	98	FILL ZONE
137+440	137+920	LEFT	7,295	FILL ZONE
137+920	138+220	LEFT	4,405	FILL ZONE
139+480	139+940	LEFT	4,933	FILL ZONE
0+880	1+150	RIGHT (ENTRANSE)	3,251	FILL ZONE
0+170	0+670	RIGHT (EXIT)	5,058	FILL ZONE
124+480	124+500	RIGHT	97	FILL ZONE
124+500	125+260	RIGHT	13,190	FILL ZONE
125+260	125+580	RIGHT	4,544	FILL ZONE
125+580	126+000	RIGHT	2,807	CUT ZONE
126+000	126+760	RIGHT	6,149	CUT ZONE
126+760	127+080	RIGHT	2,634	CUT ZONE
127+080	127+620	RIGHT	6,744	CUT ZONE
127+540	127+620	RIGHT	979	FILL ZONE
127+620	127+720	RIGHT	2,235	FILL ZONE
127+720	127+840	RIGHT	2,494	FILL ZONE
127+840	128+000	RIGHT	2,760	FILL ZONE
128+000	128+700	RIGHT	7,490	FILL ZONE
128+700	129+220	RIGHT	2,991	FILL ZONE
129+420	129+600	RIGHT	843	FILL ZONE
129+600	129+700	RIGHT	757	FILL ZONE
130+200	130+380	RIGHT	1,353	FILL ZONE
131+430	131+560	RIGHT	910	FILL ZONE
131+760	131+920	RIGHT	1,999	CUT ZONE
132+620	133+260	RIGHT	4,830	FILL ZONE
134+160	134+200	RIGHT	540	CUT ZONE
134+200	134+380	RIGHT	1,943	CUT ZONE
135+350	135+820	RIGHT	3,236	FILL ZONE
136+320	136+620	RIGHT	4,965	FILL ZONE
137+570	137+890	RIGHT	1,845	FILL ZONE
137+860	137+890	RIGHT	487	FILL ZONE
138+140	138+220	RIGHT	1,381	FILL ZONE
139+480	139+600	RIGHT	1,751	FILL ZONE
139+600	139+940	RIGHT	4,401	FILL ZONE
الاجمالي		182,051		

الهيئة العامة للطرق والكبارى	مكتب انترانس	مكتب XYZ	شركة سامكو
م/اسماء علي الشاذلي	م/ عبدالمنعم علي	م/احمد هشام محمد	م/مصطفى محمود

كميات خرسانة الميول شركة سامكو بند رقم (٧-١)

مشروع القطار السريع شركة سامكو من محطة ٠٠٠+١٢٤ حتي محطة ٠٠٠+١٤٠ للاتجاهين (ب) بطول ١٦,٠ كم

حصر اعمال الخرسانه بالمشروع بند رقم ٧ -١

Station		Side	Quantity (m2)	Notes
from	to			
0+000	0+540	LEFT(ENTRANSE)	7,839	CUT ZONE
0+540	0+840	LEFT(ENTRANSE)	2,248	CUT ZONE
0+840	1+170	LEFT(ENTRANSE)	3,651	CUT ZONE
0+160	0+670	LEFT (EXIT)	4,684	FILL ZONE
0+900	1+360	LEFT (EXIT)	3,480	FILL ZONE
1+360	1+500	LEFT (EXIT)	1,078	CUT ZONE
124+130	124+160	LEFT	503	FILL ZONE
124+160	124+360	LEFT	2,944	FILL ZONE
124+360	124+390	LEFT	193	FILL ZONE
124+390	124+540	LEFT	834	FILL ZONE
124+390	124+500	LEFT	633	FILL ZONE
127+630	127+780	LEFT	3,067	FILL ZONE
127+780	127+900	LEFT	2,371	FILL ZONE
127+900	128+380	LEFT	7,590	FILL ZONE
128+380	128+700	LEFT	2,818	FILL ZONE
128+860	129+610	LEFT	4,194	FILL ZONE
129+610	129+720	LEFT	823	CUT ZONE
129+720	130+200	LEFT	8,089	CUT ZONE
130+200	130+380	LEFT	1,229	FILL ZONE
130+380	131+410	LEFT	13,886	CUT ZONE
131+410	131+530	LEFT	845	FILL ZONE
131+530	131+700	LEFT	2,164	CUT ZONE
131+700	131+800	LEFT	690	FILL ZONE
131+800	131+900	LEFT	1,250	CUT ZONE
131+900	131+940	LEFT	321	FILL ZONE
131+940	132+420	LEFT	2,974	FILL ZONE
132+420	132+440	LEFT	207	FILL ZONE
132+440	133+220	LEFT	7,770	FILL ZONE
133+220	133+300	LEFT	525	FILL ZONE
133+300	133+500	LEFT	1,519	CUT ZONE
133+500	134+200	LEFT	10,580	CUT ZONE
134+200	134+320	LEFT	980	CUT ZONE
134+320	135+040	LEFT	3,485	FILL ZONE
135+040	135+250	LEFT	1,555	CUT ZONE
135+250	135+640	LEFT	2,262	FILL ZONE
135+640	135+810	LEFT	951	FILL ZONE
135+810	135+830	LEFT	98	FILL ZONE
136+320	136+420	LEFT	674	FILL ZONE
136+420	137+440	LEFT	10,827	FILL ZONE
137+440	137+920	LEFT	7,295	FILL ZONE
137+920	138+220	LEFT	4,405	FILL ZONE
139+480	139+940	LEFT	4,933	FILL ZONE
0+880	1+150	RIGHT(ENTRANSE)	3,251	FILL ZONE
0+170	0+670	RIGHT (EXIT)	5,058	FILL ZONE
124+480	124+500	RIGHT	97	FILL ZONE
124+500	125+260	RIGHT	13,190	FILL ZONE
125+260	125+580	RIGHT	4,544	FILL ZONE
125+580	126+000	RIGHT	2,807	CUT ZONE
126+000	126+760	RIGHT	6,149	CUT ZONE

شركة سامكو
م/ مصطفي محمود

مكتب XYZ
م/ أحمد هشام

مكتب انترانس
م/ عبدالمنعم علي

الهيئة العامة للطرق والكباري
م/ أسامة علي الشاذلي

كميات خرسانة الميول شركة سامكو بند رقم (٧-١)

مشروع القطار السريع شركة سامكو من محطة ١٢٤+٠٠٠ حتي محطة ١٤٠+٠٠٠ للاتجاهين (ب) بطول ١٦,٠ كم

حصر اعمال الخرسانه بالمشروع بند رقم ٧ -١

Station		Side	Quantity (m2)	Notes
from	to			
126+760	127+080	RIGHT	2,634	CUT ZONE
127+080	127+620	RIGHT	6,744	FILL ZONE
127+540	127+620	RIGHT	979	FILL ZONE
127+620	127+720	RIGHT	2,235	FILL ZONE
127+720	127+840	RIGHT	2,494	FILL ZONE
127+840	128+000	RIGHT	2,760	FILL ZONE
128+000	128+700	RIGHT	7,490	FILL ZONE
128+700	129+220	RIGHT	2,991	FILL ZONE
129+420	129+600	RIGHT	843	FILL ZONE
129+600	129+700	RIGHT	757	FILL ZONE
129+700	130+200	RIGHT	10,031	CUT ZONE
130+200	130+380	RIGHT	1,353	FILL ZONE
130+380	131+430	RIGHT	15,932	CUT ZONE
131+430	131+560	RIGHT	910	FILL ZONE
131+560	131+760	RIGHT	2,404	CUT ZONE
131+760	131+920	RIGHT	1,999	CUT ZONE
132+620	133+260	RIGHT	4,830	FILL ZONE
134+130	134+230	RIGHT	1,331	CUT ZONE
134+160	134+200	RIGHT	540	CUT ZONE
1344+200	134+380	RIGHT	1,943	CUT ZONE
135+350	135+820	RIGHT	3,236	FILL ZONE
136+320	136+620	RIGHT	4,965	FILL ZONE
136+620	137+570	RIGHT	13,204	FILL ZONE
137+570	137+690	RIGHT	1,845	FILL ZONE
137+680	137+860	RIGHT	1,869	FILL ZONE
137+860	137+890	RIGHT	487	FILL ZONE
137+890	138+140	RIGHT	4,116	FILL ZONE
138+140	138+220	RIGHT	1,381	FILL ZONE
139+480	139+600	RIGHT	1,751	FILL ZONE
139+600	139+940	RIGHT	4,401	FILL ZONE
الاجمالى			282,015	

مهندس الشركة المنفذة	مهندس مكتب XYZ	مهندس مكتب انترانس	مدير مشروع الهيئة العامة للطرق و الكباري
م/مصطفى محمود	م/احمد هشام محمد	م/عبد المنعم علي	م/اسماء علي الشاذلي

PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

وزارة النقل

Owner Consultant		**GARLT**
Contractor\ Samco National Company For Construction	SAMCO EGYPT	
Contractor consultant	EnTrans CONSULTING	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	**5/8/2024**		**Req.No. :**	**SP 1211**	
Structure Type :	**Side Slopes**		**Side:**	**Right (3 even)**	
Station :	**From:**	**000+560**	**Age of Test (Days):**	**7**	
	To:	**000+580**	**Slump(cm)** | **8**	**temprature**	**27**

Date of Test	**12/8/2024**		
Specimen Reference	**1**	**2**	**3**
Weight (g)	**8098**	**8250**	**8392**
Density (kg/m³)	**2399**	**2444**	**2487**
Failure Load (kN)	**529**	**498**	**433**
Comp. Strength (Kg/cm²)	**240**	**226**	**196**
AVERAGE Comp. Strength (Kg/cm²)	**221**		
SPECIFIED STRENGTH (Kg/cm²)	**250**		
AVERAGE Comp.	**88%**		

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مشروع القطار السريع - الخط الأول

PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant	**GARLT**
Contractor **Samco National Company** **For Construction**	**Contractor consultant**

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	31/7/2024		**Req.No. :**	SP 1211	
Structure Type :	Side Slopes		**Side:**	Right (2 Odd)	
Station :	From:	000+560	Age of Test (Days):	28	
	To:	000+580	Slump(cm) 8.5	temprature	29

Date of Test	28/8/2024		
Specimen Reference	1	2	3
Weight (g)	8296	8396	8387
Density (kg/m³)	2458	2488	2485
Failure Load (kN)	800	874	851
Comp. Strength (Kg/cm²)	363	396	386
AVERAGE Comp. Strength (Kg/cm²)	382		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	153%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant		GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :		SP 1211	
Structure Type :	Side Slopes		Side:		Right (1 Odd)	
Station :	From:	000+560	Age of Test (Days):		28	
	To:	000+580	Slump(cm)	8	temprature	29

Date of Test	31/8/2024		
Specimen Reference	1	2	3
Weight (g)	8279	8338	8357
Density (kg/m³)	2453	2471	2476
Failure Load (kN)	826	900	866
Comp. Strength (Kg/cm²)	374	408	393
AVERAGE Comp. Strength (Kg/cm²)	392		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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مشروع القطار السريع - الخط الأول

Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	وزارة النقل GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT Contractor consultant	EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1211	
Structure Type :	Side Slopes		Side:		Right (3 even)	
Station :	From:	000+560	Age of Test (Days):		28	
	To:	000+580	Slump(cm)	8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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For Construction

SAMCO
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :	SP 1212	
Structure Type :	Side Slopes		Side:	Right (3 Odd)	
Station :	From:	000+580	Age of Test (Days):	7	
	To:	000+600	Slump(cm)	8	temprature	29

Date of Test	10/8/2024		
Specimen Reference	1	2	3
Weight (g)	8308	8045	8165
Density (kg/m³)	2462	2384	2419
Failure Load (kN)	514	483	506
Comp. Strength (Kg/cm²)	233	219	229
AVERAGE Comp. Strength (Kg/cm²)	227		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp.	91%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant		GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1212	
Structure Type :	Side Slopes		Side:		Right (3 even)	
Station :	From:	000+580	Age of Test (Days):		7	
	To:	000+600	Slump(cm)	8	temprature	27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		**Req.No. :**	SP 1212
Structure Type :	Side Slopes		**Side:**	Right (3 Odd)
Station :	From:	000+580	Age of Test (Days):	28
	To:	000+600	Slump(cm) 8	temprature 29

Date of Test	31/8/2024		
Specimen Reference	1	2	3
Weight (g)	8279	8338	8357
Density (kg/m³)	2453	2471	2476
Failure Load (kN)	826	900	866
Comp. Strength (Kg/cm²)	374	408	393
AVERAGE Comp. Strength (Kg/cm²)	392		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		**Req.No. :**	SP 1212	
Structure Type :	Side Slopes		**Side:**	Right (3 even)	
Station :	From:	000+580	Age of Test (Days):	28	
	To:	000+600	Slump(cm) 8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :	SP 1213	
Structure Type :	Side Slopes		Side:	Right (4 Odd)	
Station :	From:	000+600	Age of Test (Days):	7	
	To:	000+620	Slump(cm) 8	temprature	29

Date of Test	10/8/2024		
Specimen Reference	1	2	3
Weight (g)	8308	8045	8165
Density (kg/m³)	2462	2384	2419
Failure Load (kN)	514	483	506
Comp. Strength (Kg/cm²)	233	219	229
AVERAGE Comp. Strength (Kg/cm²)	227		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	91%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :	SP 1213
Structure Type :	Side Slopes		Side:	Right (3 Even)
Station :	From:	000+600	Age of Test (Days):	7
	To:	000+620	Slump(cm) : 8	temprature : 27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :	SP 1213	
Structure Type :	Side Slopes		Side:	Right (4 Odd)	
Station :	From:	000+600	Age of Test (Days):	28	
	To:	000+620	Slump(cm) : 8	temprature	29

Date of Test	31/8/2024		
Specimen Reference	1	2	3
Weight (g)	8279	8338	8357
Density (kg/m³)	2453	2471	2476
Failure Load (kN)	826	900	866
Comp. Strength (Kg/cm²)	374	408	393
AVERAGE Comp. Strength (Kg/cm²)	392		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :	SP 1213	
Structure Type :	Side Slopes		Side:	Right (3 Even)	
Station :	From:	000+600	Age of Test (Days):	28	
	To:	000+620	Slump(cm) : 8	temprature : 27	

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :	SP 1214
Structure Type :	Side Slopes		Side:	Right (3 Odd)
Station :	From:	000+620	Age of Test (Days):	7
	To:	000+640	Slump(cm) 8	temprature 29

Date of Test	10/8/2024		
Specimen Reference	1	2	3
Weight (g)	8308	8045	8165
Density (kg/m³)	2462	2384	2419
Failure Load (kN)	514	483	506
Comp. Strength (Kg/cm²)	233	219	229
AVERAGE Comp. Strength (Kg/cm²)	227		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	91%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant		**GARLT**
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1214	
Structure Type :	Side Slopes		Side:		Right (2 Even)	
Station :	From:	000+620	Age of Test (Days):		7	
	To:	000+640	Slump(cm)	8	temprature	27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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Owner Consultant	**GARLT**
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		Req.No. :		SP 1214	
Structure Type :	Side Slopes		Side:		Right (1 even)	
Station :	From:	000+620	Age of Test (Days):		7	
	To:	000+640	Slump(cm)	8	temprature	28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :		SP 1214	
Structure Type :	Side Slopes		Side:		Right (3 Odd)	
Station :	From:	000+620	Age of Test (Days):		28	
	To:	000+640	Slump(cm)	8	temprature	29

Date of Test	31/8/2024		
Specimen Reference	1	2	3
Weight (g)	8279	8338	8357
Density (kg/m³)	2453	2471	2476
Failure Load (kN)	826	900	866
Comp. Strength (Kg/cm²)	374	408	393
AVERAGE Comp. Strength (Kg/cm²)	392		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

M.E. CONTRACTOR

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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Owner Consultant		**GARLT**
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1214	
Structure Type :	Side Slopes		Side:		Right (2 Even)	
Station :	From:	000+620	Age of Test (Days):		28	
	To:	000+640	Slump(cm)	8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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H.H

PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

وزارة النقل

Owner Consultant

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		**Req.No. :**	SP 1214	
Structure Type :	Side Slopes		**Side:**	Right (1 even)	
Station :	From:	000+620	**Age of Test (Days):**	28	
	To:	000+640	**Slump(cm)** 8	temprature	28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	150%		

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القطار الكهربائي السريع

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مشروع القطار الكهربائي الخط الأول

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Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :		SP 1215	
Structure Type :	Side Slopes		Side:		Right (2 Odd)	
Station :	From:	000+640	Age of Test (Days):		7	
	To:	000+660	Slump(cm)	8	temprature	29

Date of Test	10/8/2024		
Specimen Reference	1	2	3
Weight (g)	8308	8045	8165
Density (kg/m³)	2462	2384	2419
Failure Load (kN)	514	483	506
Comp. Strength (Kg/cm²)	233	219	229
AVERAGE Comp. Strength (Kg/cm²)	227		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	91%		

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Owner Consultant	**PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL)** **From Sta. 124+500 To Sta. 140+000 Section Three**	وزارة النقل GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant: EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	4/8/2024		Req.No. :		SP 1215	
Structure Type :	Side Slopes		Side:		Right (2 Odd)	
Station :	From:	000+640	Age of Test (Days):		7	
	To:	000+660	Slump(cm)	9	temprature	28

Date of Test	11/8/2024		
Specimen Reference	1	2	3
Weight (g)	8180	8265	8460
Density (kg/m³)	2424	2449	2507
Failure Load (kN)	509	514	528
Comp. Strength (Kg/cm²)	231	233	239
AVERAGE Comp. Strength (Kg/cm²)	234		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	94%		

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مشروع القطار السريع

PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		Req.No. :		SP 1215	
Structure Type :	Side Slopes		Side:		Right (3 even)	
Station :	From:	000+640	Age of Test (Days):		7	
	To:	000+660	Slump(cm)	8	temprature	28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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مشروع القطار السريع - الخط الأول

Owner Consultant	**PROJECT : ELECTRIC EXPRESS TRAIN** **(HIGH-SPEED RAIL)** **From Sta. 124+500 To Sta. 140+000 Section Three**	وزارة النقل GARLT
Contractor **Samco National Company** **For Construction** SAMCO EGYPT	**Contractor consultant**	EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	3/8/2024		Req.No. :	SP 1215
Structure Type :	Side Slopes		Side:	Right (2 Odd)
Station :	From:	000+640	Age of Test (Days):	28
	To:	000+660	Slump(cm) : 8	temprature : 29

Date of Test	31/8/2024		
Specimen Reference	1	2	3
Weight (g)	8279	8338	8357
Density (kg/m³)	2453	2471	2476
Failure Load (kN)	826	900	866
Comp. Strength (Kg/cm²)	374	408	393
AVERAGE Comp. Strength (Kg/cm²)	392		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant		**GARLT**
Contractor\ Samco National Company For Construction	SAMCO EGYPT	
Contractor consultant	EnTrans CONSULTING	

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	4/8/2024		Req.No. :		SP 1215	
Structure Type :	Side Slopes		Side:		Right (2 Odd)	
Station :	From:	000+640	Age of Test (Days):		28	
	To:	000+660	Slump(cm)	9	temprature	28

Date of Test	1/9/2024		
Specimen Reference	1	2	3
Weight (g)	8362	8319	8387
Density (kg/m³)	2478	2465	2485
Failure Load (kN)	878	816	912
Comp. Strength (Kg/cm²)	398	370	413
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	158%		

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Owner Consultant	**PROJECT : ELECTRIC EXPRESS TRAIN** **(HIGH-SPEED RAIL)** **From Sta. 124+500 To Sta. 140+000 Section Three**	GARLT
Contractor **Samco National Company** **For Construction**	SAMCO EGYPT	**Contractor consultant** EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		**Req.No. :**	SP 1215
Structure Type :	Side Slopes		**Side:**	Right (3 even)
Station :	From:	000+640	**Age of Test (Days):**	28
	To:	000+660	**Slump(cm)** 8	**temprature** 28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	150%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

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Owner Consultant	**GARLT**
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	4/8/2024		Req.No. :	SP 1216	
Structure Type :	Side Slopes		Side:	Right (4 Odd)	
Station :	From:	000+660	Age of Test (Days):	7	
	To:	000+680	Slump(cm) 9	temprature	28

Date of Test	11/8/2024		
Specimen Reference	1	2	3
Weight (g)	8180	8265	8460
Density (kg/m³)	2424	2449	2507
Failure Load (kN)	509	514	528
Comp. Strength (Kg/cm²)	231	233	239
AVERAGE Comp. Strength (Kg/cm²)	234		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp %	94%		

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Contractor\ Samco National Company For Construction SAMCO EGYPT	Contractor consultant	EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		Req.No. :	SP 1216
Structure Type :	Side Slopes		Side:	Right (4 Even)
Station :	From:	000+660	Age of Test (Days):	7
	To:	000+680	Slump(cm) 8	temprature 28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	4/8/2024		Req.No. :		SP 1216	
Structure Type :	Side Slopes		Side:		Right (4 Odd)	
Station :	From:	000+660	Age of Test (Days):		28	
	To:	000+680	Slump(cm)	9	temprature	28

Date of Test	1/9/2024		
Specimen Reference	1	2	3
Weight (g)	8362	8319	8387
Density (kg/m³)	2478	2465	2485
Failure Load (kN)	878	816	912
Comp. Strength (Kg/cm²)	398	370	413
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	158%		

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		Req.No. :	SP 1216	
Structure Type :	Side Slopes		Side:	Right (4 Even)	
Station :	From:	000+660	Age of Test (Days):	28	
	To:	000+680	Slump(cm) 8	temprature 28	

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	150%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	4/8/2024		**Req.No. :**	SP 1217	
Structure Type :	Side Slopes		**Side:**	Right (1 Odd)	
Station :	**From:**	000+680	**Age of Test (Days):**	7	
	To:	000+700	**Slump(cm)** 9	**temprature**	28

Date of Test	11/8/2024		
Specimen Reference	1	2	3
Weight (g)	8180	8265	8460
Density (kg/m³)	2424	2449	2507
Failure Load (kN)	509	514	528
Comp. Strength (Kg/cm²)	231	233	239
AVERAGE Comp. Strength (Kg/cm²)	234		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp.	94%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant	**GARLT**
Contractor\ Samco National Company For Construction	**Contractor consultant**

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		**Req.No. :**	SP 1217	
Structure Type :	Side Slopes		**Side:**	Right (2 Odd)	
Station :	From:	000+680	Age of Test (Days):	7	
	To:	000+700	Slump(cm) 8	temprature	27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		**Req.No. :**		SP 1217	
Structure Type :	Side Slopes		**Side:**		Right (3 Even)	
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	To:	000+700	Slump(cm)	8	temprature	28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
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DATE OF CASTING :	4/8/2024		Req.No. :		SP 1217		
Structure Type :	Side Slopes		Side:		Right (1 Odd)		
Station :	From:	000+680	Age of Test (Days):		28		
	To:	000+700	Slump(cm)	9	temprature	28	

Date of Test	1/9/2024		
Specimen Reference	1	2	3
Weight (g)	8362	8319	8387
Density (kg/m³)	2478	2465	2485
Failure Load (kN)	878	816	912
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Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	وزارة النقل GARLT
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1217	
Structure Type :	Side Slopes		Side:		Right (2 Odd)	
Station :	From:	000+680	Age of Test (Days):		28	
	To:	000+700	Slump(cm)	8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant		**GARLT**
Contractor\ Samco National Company For Construction	SAMCO EGYPT	**Contractor consultant** EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		**Req.No. :**	SP 1217
Structure Type :	Side Slopes		**Side:**	Right (3 Even)
Station :	From:	000+680	**Age of Test (Days):**	28
	To:	000+700	**Slump(cm)** ¦ 8	**temprature** ¦ 28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	150%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1218	
Structure Type :	Side Slopes		Side:		Right (3 Odd)	
Station :	From:	000+700	Age of Test (Days):		7	
	To:	000+720	Slump(cm)	8	temprature	27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

<table>
<tr><td>DATE OF CASTING :</td><td colspan="2">8/6/2024</td><td colspan="2">Req.No. :</td><td colspan="2">SP 1218</td></tr>
<tr><td>Structure Type :</td><td colspan="2">Side Slopes</td><td colspan="2">Side:</td><td colspan="2">Right (3 even)</td></tr>
<tr><td rowspan="2">Station :</td><td>From:</td><td>000+700</td><td colspan="2">Age of Test (Days):</td><td colspan="2">7</td></tr>
<tr><td>To:</td><td>000+720</td><td>Slump(cm)</td><td>8</td><td>temprature</td><td>28</td></tr>
</table>

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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مشروع القطار السريع - الخط الأول

PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :	SP 1218	
Structure Type :	Side Slopes		Side:	Right (3 Odd)	
Station :	From:	000+700	Age of Test (Days):	28	
	To:	000+720	Slump(cm) 8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
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Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	وزارة النقل GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		Req.No. :		SP 1218	
Structure Type :	Side Slopes		Side:		Right (3 even)	
Station :	From:	000+700	Age of Test (Days):		28	
	To:	000+720	Slump(cm)	8	temprature	28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp.	150%		

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مشروع القطار السريع - الخط الأول

Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	وزارة النقل GARLT
Contractor\ Samco National Company For Construction	SAMCO EGYPT	Contractor consultant — EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1219	
Structure Type :	Side Slopes		Side:		Right (3 Odd)	
Station :	From:	000+720	Age of Test (Days):		7	
	To:	000+740	Slump(cm)	8	temprature	27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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Owner Consultant	**PROJECT : ELECTRIC EXPRESS TRAIN** **(HIGH-SPEED RAIL)** **From Sta. 124+500 To Sta. 140+000 Section Three**	GARLT
Contractor\ Samco National Company For Construction SAMCO	Contractor consultant	EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		Req.No. :	SP 1219
Structure Type :	Side Slopes		Side:	Right (K even)
Station :	From:	000+720	Age of Test (Days):	7
	To:	000+740	Slump(cm) 8	temprature 28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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مشروع القطار الكهربائي السريع - الخط الأول

Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	GARLT وزارة النقل
Contractor\ Samco National Company For Construction SAMCO EGYPT		Contractor consultant EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1219	
Structure Type :	Side Slopes		Side:		Right (3 Odd)	
Station :	From:	000+720	Age of Test (Days):		28	
	To:	000+740	Slump(cm)	8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

Owner Consultant

GARLT

Contractor
Samco National Company
For Construction

SAMCO
EGYPT

Contractor consultant

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		**Req.No. :**		SP 1219
Structure Type :	Side Slopes		**Side:**		Right (3 even)
Station :	From:	000+720	**Age of Test (Days):**		28
	To:	000+740	**Slump(cm)**	8	**temprature** 28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m^3)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm^2)	394	361	371
AVERAGE Comp. Strength (Kg/cm^2)	376		
SPECIFIED STRENGTH (Kg/cm^2)	250		
AVERAGE Comp. %	150%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

وزارة النقل

Owner Consultant	**GARLT**
Contractor\ Samco National Company For Construction SAMCO EGYPT	**Contractor consultant** EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		**Req.No. :**	SP 1220
Structure Type :	Side Slopes		**Side:**	Right (3 Odd)
Station :	From:	000+740	**Age of Test (Days):**	7
	To:	000+760	**Slump(cm)** 8	**temprature** 27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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PROJECT : ELECTRIC EXPRESS TRAIN
(HIGH-SPEED RAIL)
From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		Req.No. :		SP 1220	
Structure Type :	Side Slopes		Side:		Right (3 even)	
Station :	From:	000+740	Age of Test (Days):		7	
	To:	000+760	Slump(cm)	8	temprature	28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
Weight (g)	8244	8314	8326
Density (kg/m³)	2443	2463	2467
Failure Load (kN)	518	465	487
Comp. Strength (Kg/cm²)	235	211	221
AVERAGE Comp. Strength (Kg/cm²)	222		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	89%		

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Owner Consultant	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	GARLT
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		Req.No. :		SP 1220	
Structure Type :	Side Slopes		Side:		Right (3 Odd)	
Station :	From:	000+740	Age of Test (Days):		28	
	To:	000+760	Slump(cm)	8	temprature	27

Date of Test	2/9/2024		
Specimen Reference	1	2	3
Weight (g)	8316	8267	8267
Density (kg/m³)	2464	2449	2449
Failure Load (kN)	910	873	822
Comp. Strength (Kg/cm²)	413	396	373
AVERAGE Comp. Strength (Kg/cm²)	394		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	157%		

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	6/8/2024		Req.No. :		SP 1220	
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Station :	From:	000+740	Age of Test (Days):		28	
	To:	000+760	Slump(cm)	8	temprature	28

Date of Test	3/9/2024		
Specimen Reference	1	2	3
Weight (g)	8341	8356	8410
Density (kg/m³)	2471	2476	2492
Failure Load (kN)	870	796	819
Comp. Strength (Kg/cm²)	394	361	371
AVERAGE Comp. Strength (Kg/cm²)	376		
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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	5/8/2024		**Req.No. :**	SP 1221
Structure Type :	Side Slopes		**Side:**	Right (3 Odd)
Station :	From:	000+760	**Age of Test (Days):**	7
	To:	000+780	**Slump(cm)** 8	**temprature** 27

Date of Test	12/8/2024		
Specimen Reference	1	2	3
Weight (g)	8098	8250	8392
Density (kg/m³)	2399	2444	2487
Failure Load (kN)	529	498	433
Comp. Strength (Kg/cm²)	240	226	196
AVERAGE Comp. Strength (Kg/cm²)	221		
SPECIFIED STRENGTH (Kg/cm²)	250		
AVERAGE Comp. %	88%		

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	PROJECT : ELECTRIC EXPRESS TRAIN (HIGH-SPEED RAIL) From Sta. 124+500 To Sta. 140+000 Section Three	
Owner Consultant		**GARLT**
Contractor\ Samco National Company For Construction	SAMCO EGYPT	**Contractor consultant** EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

DATE OF CASTING :	8/6/2024		**Req.No. :**	SP 1221	
Structure Type :	Side Slopes		**Side:**	Right (3 even)	
Station :	From:	000+760	**Age of Test (Days):**	7	
	To:	000+780	**Slump(cm)** 8	**temprature**	28

Date of Test	15/6/2024		
Specimen Reference	1	2	3
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Owner Consultant	**PROJECT : ELECTRIC EXPRESS TRAIN** **(HIGH-SPEED RAIL)** **From Sta. 124+500 To Sta. 140+000 Section Three**	GARLT
Contractor **Samco National Company** **For Construction** SAMCO EGYPT	**Contractor consultant**	EnTrans CONSULTING

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

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AVERAGE Comp. %	157%		

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PROJECT : ELECTRIC EXPRESS TRAIN
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From Sta. 124+500 To Sta. 140+000 Section Three

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DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

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