

مشروع القطار السريع (العلمين - فوهة)

شركة انشاء للمقاولات العامة - من المحطة 458+800 الى المحطة 460+600

محضر تحديد مسافة نقل

(نقل الاتربة)

انه في يوم الثلاثاء الموافق :- 2022/5/17

- بناء على طلب المقاول شركة انشاء للمقاولات العامة لتحديد مسافة نقل الاتربة من محجر (المصرية)

على طريق وادي النظرون العلمين للمشروع المذكور اعلاه.

تم زيارة المحجر من قبل:-

- | | |
|------------------------------------|-----------------------------------|
| 1- السيد المهندس / ابراهيم الحناوي | ممث الهيئة العامة للطرق والكباري |
| 2- السيد المهندس / مصطفى محمود نجم | ممث الاستشاري مكتب د. سعد الجيوشي |
| 3- السيد المهندس / محمد خليل | ممث ستشاري المساحة مكتب |
| 4- السيد المهندس / محمود شعبان | ممث شركة انشاء للمقاولات |

وتبين ان المحجر علي مسافة 195 كم من منتصف قطاع شركة انشاء للمقاولات العام

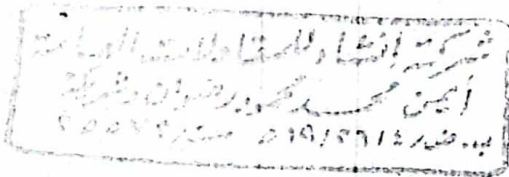
N 30 ° 33 ' 19.7 " E 29 ° 45 ' 06.7

احد اثي المحجر

N 92 ° 70 ' 06.28 " E 36 ° 37 ' 09.61 "

احد اثي منتصف القطاع

وعلي ذلك تم توقيع،،



4- محجر شعبان أحمد

3- محمد خليل

2- محمد خليل

1- محمد خليل

محضر استلام موقع

مشروع: أعمال الجسر الترابى لمشروع القطار الكهربائى السريع قطاعات
غرب النيل فى المسافة من ٨٠٠+٤٥٨ كم الى ٦٠٠+٤٦٠ كم بطول
٨,١ كم

تنفيذ: شركة انشاء للمقاولات العامة

إشراف : المنطقة الخامسة – منطقة غرب الدلتا

طبقاً للعقد رقم (٢٠٢٣/٢٠٢٢/٩٨٧) اتجاه سيدي حنيش بتاريخ ٢٠٢٢/١٢/١٤

إنه في يوم الاحد الموافق ٢٠٢٢/١٢/١٨ اجتمع كل من:-

١- السيد المهندس /إبراهيم عبد الله الحناوي مهندس العملية - الهيئة العامة للطرق والكبارى

٢- السيد المهندس / محمود شعبان احمد مدير المشروع

وذلك للمرور على مسار العملية المذكورة عاليه لاستلام الموقع :-

وقد تبين أن الموقع خالياً من العوائق الظاهرية ويسمح بالبدء في التنفيذ وبناء عليه يعتبر
تاريخ (٢٠٢٢/١٢/١٨) هو تاريخ استلام الموقع وبدء الأعمال بالعملية
واقفل المحضر على ذلك ووقع الحضور

التوقيعات

٢- محمود شعبان احمد

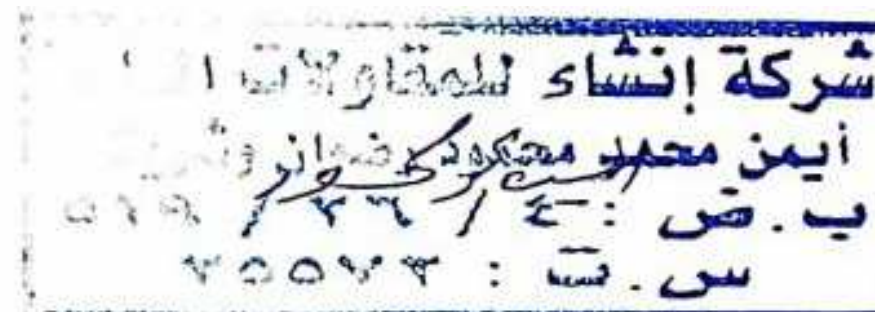
١-

رئيس الإدارة المركزية
منطقة غرب الدلتا
الإسكندرية - مرسى
مطروح
عقيد مهندس / ٥٥
"هاني محمد محمود طه"

أعمال الجسر / فوكة
قطاع العلمين / فوكة
في المسافة من كم ٨٠٠ + ٤٥٨ الى كم ٦٠٠ + ٤٦٠ بطول ١,٨ كم (اتجاه سيدى حنيش)

المحطة	الكمية	سعر الوحدة

فصل ۸



CEL Consulting Engineering Bureau & Laboratories	بureau & Laboratories Engineering Consulting
--	--

CEL

Company Name : Inshaa General Company
 Project : Electric Express Train, from Al Ain Sokhna to Marsa
 Matrouh Priority Sector (6) – Alamein to Foka
 Type of sample : Replacement Soil (Middle & Upper Embankment)
 Sample No : 03
 Delivery Date : 23 / 10 / 2022
 Reporting Date : 30 / 10 / 2022

Dear Sir,

Attached here with the delivered on 23 / 10 / 2022

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according ASTM D-1140.
3. Liquid limits and plasticity index of soil according to D-4318.
4. Soil classification according to Project Specs.
5. Proctor Test according to D-1557
6. C.B.R

• This sample is classified as (A-1-b) according to Project Specs.

Company Name : Inshaa General Company
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
 Type of sample : Replacement Soil (Middle & Upper Embankment)
 Sample No : 03
 Delivery Date : 23 / 10 / 2022
 Reporting Date : 30 / 10 / 2022

RESULTS OF SIEVE ANALYSIS According to ASTM D-422.

Sieve Size (mm)	Passing %
0.600	37.1
1.18	40.1
2.00	46.6
2.36	51.8
4.75	54.9
9.50	63.3
12.50	81.2
19	95.4
25	98.2
37.5	100
50	100

Company Name : Iushaa General Company

Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka

Type of sample : Replacement Soil (Middle & Upper Embankment)

Sample No : 03

Delivery Date : 23 / 10 / 2022

Reporting Date : 30 / 10 / 2022

**MATERIALS FINER THAN 75 μ m (No.200) SIEVE
IN MENERAL AGGREGATE BY WASHING
ASTM D-1140.**

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ m (No.200)	11.7

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 03
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

RESULTS OF LIQUID LIMIT AND PLASTICITY INDEX OF SOILS According to D-4318

Test	Results
Liquid Limit%	NP
Plastic Limit %	NP
Plasticity Index %	NP

Company Name : Inshaa General Company
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
 Type of sample : Replacement Soil (Middle & Upper Embankment)
 Sample No : 03
 Delivery Date : 23 / 10 / 2022
 Reporting Date : 30 / 10 / 2022

Soil Classification According To Project Specs (Embankment)

TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification			
2.00 mm (No.10).	46.6	Max 50 %	-----
0.425 mm (No. 40).	32.4	Max 30 %	Max 50 %
0.075 mm (No. 200).	11.7	Max 15 %	Max 15 %
Characteristics of fraction passing 0.425 mm (No.40)			
Liquid Limit	NP	-----	-----
Plasticity index	NP	Max 6 %	Max 6 %

Company Name
: Inshaa General Company

Project
: Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka

Type of sample
: Replacement Soil (Middle & Upper Embankment)

Sample No
: 03

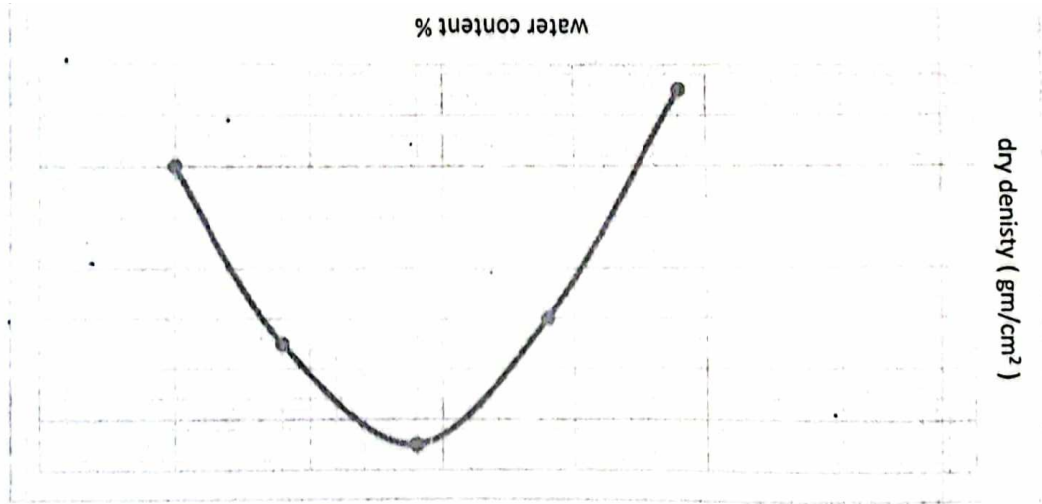
Delivery Date
: 23 / 10 / 2022

Reporting Date
: 30 / 10 / 2022

Moisture – Density relation of soil

Test result (Modified proctor test)

ASTM (D 1557)



Company Name : Inshaa General Company

Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka

Type of sample : Replacement Soil (Middle & Upper Embankment)

Sample No : 03

Delivery Date : 23 / 10 / 2022

Reporting Date : 30/ 10 / 2022

Company Name : Inshaa General Company

Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka

Type of sample : Replacement Soil (Middle & Upper Embankment)

Sample No : 03

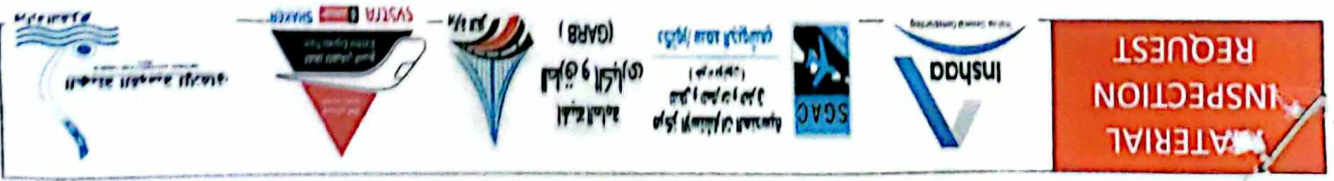
Delivery Date : 23 / 10 / 2022

Reporting Date : 30/ 10 / 2022

Test Results of California Bearing Ratio on Base Materials

ASTM D 1883

CBR RESULTS		Stress (Mpa)	CBR %
mm	penetration	Inch	stress on piston (Mpa)
0.64		0.025	3.47
1.27		0.050	4.00
1.91		0.075	4.40
2.54		0.100	5.04
3.18		0.125	5.72
3.81		0.150	6.37
4.45		0.175	7.07
5.08		0.200	7.39
5.71		0.225	7.83
6.35		0.250	7.83



Contractor Company	Inشاء للعقود العامة		Designer Company
	Name		
Issued by Contractor	Eng/ Mahmoud Shaban		Date
	Sign		
Received by ER			

C1	C2	C3	CS	30	10	2022	1	40
458	EW	MIR						

CODE-1	S1 to S21	D1 to S3	Kp XXX Note
CODE - 2	Station Reference		
CODE - 3	Work Activity		
Sub Element of Activity			

Description of Materials		Fill material results	
Location to be Used		457+820 to 457+900 (-0.75) 457+740 to 457+820 (-0.5) 457+820 to 457+900 (-0.5) 457+680 to 457+820 (-0.25) 457+820 to 457+900 (-0.25) 457+600 to 457+680 (ferma) 457+680 to 457+820 (ferma) 457+820 to 457+900 (ferma)	
MAR Approval No	Date		
Supplier Name			
Test Requirement	Specification	Clause	
Reference Photos	Yes attached / No	Other	
Item	Description	Unit	Quantity
1	Sieve analysis	M ³	10000
2	Material finer than sieve no, 200		
3	L.L and P.L and Proctor test		
4	Soil classification and CBR		
Comments by:		Comments by:	

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 05
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Dear Sir,

Attached here with the delivered on 23 / 10 / 2022

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according ASTM D-1140.
3. Liquid limits and plasticity index of soil according to D-4318.
4. Soil classification according to Project Specs.
5. Proctor Test according to D-1557
6. CBR

• This sample is classified as (A-1-a) according to Project Specs.

Company Name : Inshaa General Company
 Project : Electric Express Train, from Al Ain Sokhna to Marsa
 Matrouh Priority Sector (6) – Alamein to Foka
 Type of sample : Replacement Soil (Middle & Upper Embankment)
 Sample No : 05
 Delivery Date : 23 / 10 / 2022
 Reporting Date : 30 / 10 / 2022

RESULTS OF SIEVE ANALYSIS According to ASTM D-422.

Sieve Size (mm)	Passing %
0.600	34.5
1.18	39.1
2.00	41.2
2.36	46.4
4.75	50.5
9.50	67.2
12.50	76.7
19	93.1
25	95.1
37.5	98.8
50	100

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 05
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

MATERIALS FINER THAN 75 μ m (No.200) SIEVE
IN MENERAL AGGREGATE BY WASHING
ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ m (No.200)	11.8

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa
Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 05
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

RESULTS OF LIQUID LIMIT AND PLASTICITY INDEX OF SOILS According to D-4318

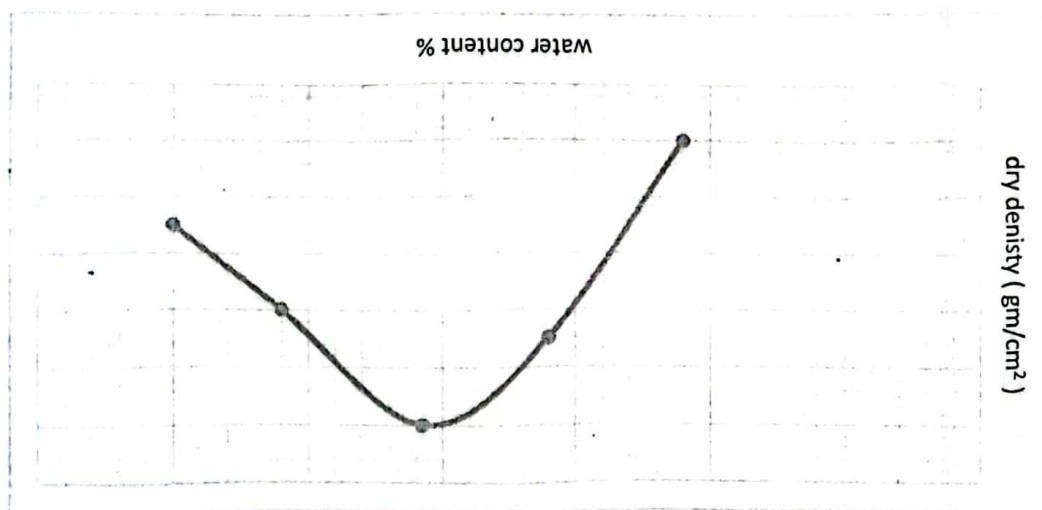
Test	Results
Liquid Limit%	NP
Plastic Limit %	NP
Plasticity Index %	NP

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 05
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Soil Classification According To Project Specs (Embankment)

TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification	2.00 mm (No.10).	41.2	Max 50 %
	0.425 mm (No. 40).	28.5	Max 30 %
	0.075 mm (No. 200).	11.8	Max 15 %
	Characteristics of fraction passing 0.425 mm (No.40)		
Liquid Limit	NP	-----	-----
Plasticity index	NP	Max 6 %	Max 6 %

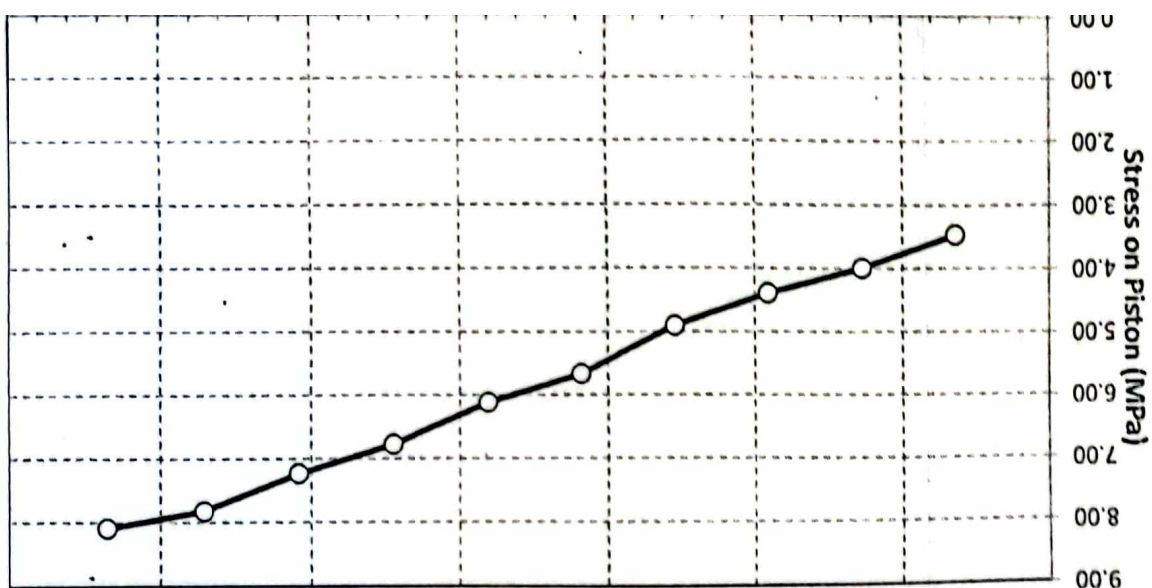
Moisture – Density relation of soil
Test result (Modified proctor test)
ASTM (D 1557)



Company Name : Inshaa General Company
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamain to Foka
 Type of sample : Replacement Soil (Middle & Upper Embankment)
 Sample No : 05
 Delivery Date : 23 / 10 / 2022
 Reporting Date : 30 / 10 / 2022

Test Results of California Bearing Ratio on Base Materials
ASTM D 1883

penetration		mm	CBR RESULTS
stress on piston (Mpa)	Inch	0.64	
	0.025	1.27	
	0.050	1.91	
	0.075	2.54	
	0.100	3.18	
	0.125	3.81	
	0.150	4.45	
	0.175	5.08	
	0.200	5.71	
	0.225	6.35	
	0.250		
		8.10	CBR %



LOAD PENETRATION CURVE OF CBR TEST

ASTM D 1883

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 05
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Contractor Company	إنشاء للمقاولات العامة		Designer Company		
	Name	Eng/Mahmoud Shaban		Sign	
Issued by Contractor	Date		30/10/2022		Time
	2:10				
Received by ER	MIR		458		10
	C1		C2		
		EW		CS	
		DD		MM	
		YY		2022	
		HH		2	
		MM		10	

CODE-1	S1 to S21	D1 to S3	Kp XXX Note
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials		Fill material results					
Location to be Used		458+160 to 458+260 (-1.25) 458+260 to 458+320 (-1) 458+320 to 458+400 (-1) 458+260 to 458+320 (-0.75) 458+320 to 458+400 (-0.5) 458+320 to 458+400 (-0.75) 458+040 to 458+260 (-1) 458+040 to 458+100 (-0.75)		Date			
						MAR Approval No	
						Supplier Name	
						Test Requirement	
Reference Photos		Yes attached / No		Other			
Description		Unit		Quantity			
Item		Arrival Date		Note			
1		Sieve analysis		M ³ 5000			
2		Material finer than sieve no ,200					
3		L.L and P.L and Proctor test					
4		Soil classification					
Comments by:							
Comments by:							

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 04
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Dear Sir,

Attached here with the delivered on 23 / 10 / 2022

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according ASTM D-1140.
3. Liquid limits and plasticity index of soil according to D-4318.
4. Soil classification according to Project Specs.
5. Proctor Test according to D-1557

- This sample is classified as (A-1-b) according to Project Specs.

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 04
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

RESULTS OF SIEVE ANALYSIS According to ASTM D-422.

Sieve Size (mm)	Passing %
50	100
37.5	100
25	98.3
19	97.1
12.50	70.3
9.50	61.3
4.75	58.5
2.36	53.1
2.00	49.6
1.18	40.1
0.600	37.9

**MATERIALS FINER THAN 75 μ m (No.200) SIEVE
IN MENBRAL AGGREGATE BY WASHING
ASTM D-1140.**

Test	Percentage of material finer than Sieve Size 75 μ m (No.200)
Results (%)	12.6

Company Name	: Iushan General Company
Project	: Electric Express Train, from Al Ain Sukhna to Marsa Matruh Priority Sector (6) – Alamein to Foka
Type of sample	: Replacement Soil (Middle & Upper Embankment)
Sample No	: 04
Delivery Date	: 23 / 10 / 2022
Reporting Date	: 30 / 10 / 2022

RESULTS OF LIQUID LIMIT AND PLASTICITY INDEX
OF SOILS According to D-4318

Test	Liquid Limit%	NP
	Plastic Limit %	NP
	Plasticity Index %	NP
Results		

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 04
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Soil Classification According To Project Specs (Embankment)

TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification	2.00 mm (No.10).	49.6	Max 50 %
	0.425 mm (No. 40).	34.1	Max 30 %
	0.075 mm (No. 200).	12.6	Max 15 %
	Characteristics of fraction passing 0.425 mm (No.40)		
Liquid Limit	NP	-----	-----
Plasticity index	NP	Max 6 %	Max 6 %

Company Name : Inshaa General Company
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh Priority Sector (6) – Alamein to Foka
Type of sample : Replacement Soil (Middle & Upper Embankment)
Sample No : 04
Delivery Date : 23 / 10 / 2022
Reporting Date : 30 / 10 / 2022

Moisture – Density relation of soil
Test result (Modified proctor test)
ASTM (D 1557)

