

محضر استلام موقع

مشروع: القطار الكهربائي السريع (العين السخنة _ العاصمة الإدارية _ العلمين _ مطروح) قطاع
غرب النيل في المسافة من الكم ٤٠٧+٩٠٠ الى الكم ٤٠٨+٠٠٠ بطول ٠,١٠٠ كيلو متر

تنفيذ: شركة جلوبال سبلاي شين

إشراف: المنطقة الخامسة _ منطقة غرب الدلتا

طبقا للعقد رقم (٢٠٢٤/٢٠٢٣/٤٨٤) بتاريخ ٢٠٢٣/١٠/٠٨

انه في يوم الخميس الموافق ٢٠٢٣/١١/١٢ اجتمع كل من :-

- | | |
|--|---|
| ١- السيد المهندس / محمد حسني قياض | مدير عام المشروعات - الهيئة العامة للطرق والكباري |
| ٢- السيد المهندس / ابراهيم عبدالله الحناوي | مهندس العملية - الهيئة العامة للطرق والكباري |
| ٣- السيد المهندس / هاني محمود همام | مدير مشروع - شركة جلوبال سبلاي شين |

وذلك للمرور علي مسار العملية المذكورة عاليه لاستلام الموقع :-

وقد تبين ان الموقع خاليا من العوائق الظاهرية ويسمح بالبدء في التنفيذ وبناء عليه يعتبر

تاريخ ٢٠٢٣/١١/١٢ هو تاريخ استلام الموقع وبدء الأعمال بالعملية

واقفل المحضر علي ذلك ووقع الحضور

التوقعات

٣- هاني همام
٢-
١-

رئيس الإدارة المركزية

منطقة غرب الدلتا

الاسكندرية - مرسى مطروح

عميد مهندس

هاني محمد محمود طه

مشروع القطر السريع (العلمين - فوقة)

شركة جلوبال سبلاي شين - من المحطة ٤٠٧+٦٠٠ الى المحطة ٤٠٨+٦٠٠

محضر تحديد مسافة نقل

(نقل التربة)

انه في يوم الخميس الموافق :- ٢٠٢٢/١٢/٢٢

- بناء على طلب المقاول شركة جلوبال سبلاي شين لتحديد مسافة نقل التربة من محجر (البروز).

على طريق وادي النظرون العلمين للمشروع المذكور أعلاه.

تم زيارة المحجر من قبل:-

ممثل الهيئة العامة للطرق والكباري
ممثل الاستشاري مكتب د. سعد الجبوشي
ممثل استشاري المساحة مكتب XYZ
مندوب الاستشاري مكتب د. سعد الجبوشي
مندوب شركة جلوبال سبلاي شين

١- السيد المهندس / ابراهيم الحناوي
٢- السيد المهندس / مصطفى نجم
٣- السيد المهندس / محمد خليل
٤- السيد المهندس / احمد حمدي
٥- السيد المهندس / احمد غلاب

وتبين ان المحجر على مسافة ١٧٠ كم من منتصف قطاع شركة جلوبال سبلاي شين

N 30 ° 30 ' 59 . 2 " E 29 ° 57 ' 27 . 2 "

احد اشئ المحجر

N 30 ° 52 ' 15 . 62 " E 28 ° 51 ' 34 . 82 "

احداثي منتصف القطاع

وعلى ذلك تم توقيع،،

١- السيد المهندس / احمد غلاب

٢- السيد المهندس / احمد حمدي

٣- السيد المهندس / محمد خليل

٤- السيد المهندس / مصطفى نجم

٥- السيد المهندس / ابراهيم الحناوي

Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (408+300) : (408+440)
Type of sample : Soil Embankment
Delivery Date : 07/01/2023
Reporting Date : 14/01/2023
Reporting No. : 40
Sample No. : 15

Dear Gentleman,

Attached here with the Soil Embankment delivered on 07/01/2023

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according to ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Soil classification according to Project Specs.
5. Proctor Test according to ASTM D-1557
6. CBR according to ASTM D-1883

Note. The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken

Signature / 

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+300) : (408+440)
 Type of sample : Soil Embankment
 Delivery Date : 07/01/2023
 Reporting Date : 14/01/2023
 Reporting No. : 40
 Sample No. : 15

RESULTS OF SIEVE ANALYSIS According to ASTM D-422.

Sieve Size (mm)	Passing %
50	100
37.5	95.7
25	86.5
19	77.0
12.50	71.3
9.50	59.8
4.75	42.7
2.36	40.0
2.00	38.5
1.18	33.7
0.600	29.1
0.425	27.4
0.300	21.4
0.150	12.0

Signature /



Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+300) : (408+440)
 Type of sample : Soil Embankment
 Delivery Date : 07/01/2023
 Reporting Date : 14/01/2023
 Reporting No. : 40
 Sample No. : 15

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ M (No.200)	9.3

Signature /


Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+300) : (408+440)
 Type of sample : Soil Embankment
 Delivery Date : 07/01/2023
 Reporting Date : 14/01/2023
 Reporting No. : 40
 Sample No. : 15

Results of liquid limit and plasticity index
of soils according to ASTM D-4318

Test	Results (%)
Liquid Limit	22.9
Plastic Limit	18.1
Plasticity Index	4.8

Signature /



تلفون : فاكس : ۲۷۳۶۲۳۱ - ۲۷۳۶۲۹۳
www.cel-egvpj.com

تلفون - فاكس : ٢٧٢٧٢٢١ - ٢٧٢٧٢٠٩٣
www.cel-egypt.com

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+300) : (408+440)
 Type of sample : Soil Embankment
 Delivery Date : 07/01/2023
 Reporting Date : 14/01/2023
 Reporting No. : 40
 Sample No. : 15

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

penetration		stress on piston (Mpa)
mm	Inch	
0.64	0.025	2.23
1.27	0.050	2.38
1.91	0.075	2.54
2.54	0.100	2.69
3.18	0.125	2.84
3.81	0.150	2.99
4.45	0.175	3.14
5.08	0.200	3.30
5.71	0.225	3.45
6.35	0.250	3.60

CBR Result	Stress (Mpa)		CBR %
At 0.1 inch (2.54 mm) penetration	St. Value	Sample results	39.0
	6.90	2.69	

Notes :

- 1- Attached graph shows penetration resistance versus penetration magnitude.
- 2- The sample was compacted to dry density of 2.09 (gm /cm³)
 At 7.2 % optimum water content.
- 3- Surcharge load 4.50 Kg.

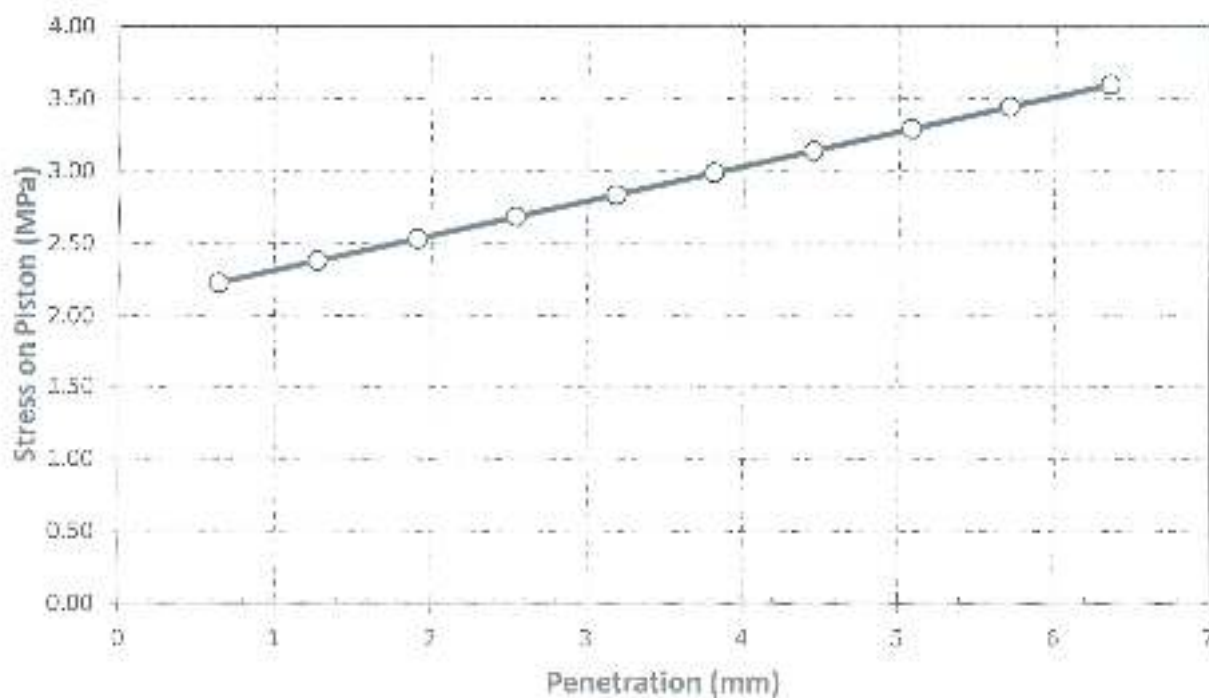
Signature /

مكتب محامل الاستشارات الهندسية
 رقم الترخيص: ٢٠١٩ - ٢٠٢٣
 رقم التسجيل: ٢٠١٩ - ٢٠٢٣

C Company Name	: Global Supply Chain
Project	: Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location	: SL (408+300) : (408+440)
Type of sample	: Soil Embankment
Delivery Date	: 07/01/2023
Reporting Date	: 14/01/2023
Reporting No.	: 40
Sample No.	: 15

Load Penetration Curve of CBR Test

ASTM D-1883



Signature



Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (407+740) : (408+060) توسعة رصيف المحطة
Type of sample : Soil Embankment
Delivery Date : 08/01/2023
Reporting Date : 15/01/2023
Reporting No. : 41
Sample No. : 16

Dear Gentleman,

Attached here with the Soil Embankment delivered on 08/01/2023

Materials test

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

Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken

Signature /


ٹیلیفون : فاکس : ۲۷۳۶۷۲۴۱ - ۹۲ - ۲۷۳۶۷۲۴۱

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+060) توسعة رصيف المحطة
 Type of sample : Soil Embankment
 Delivery Date : 08/01/2023
 Reporting Date : 15/01/2023
 Reporting No. : 41
 Sample No. : 16

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ m (No.200)	10.1

Signature



Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+060) توسعة رصيف المحطة
 Type of sample : Soil Embankment
 Delivery Date : 08/01/2023
 Reporting Date : 15/01/2023
 Reporting No. : 41
 Sample No. : 16

Results of liquid limit and plasticity index
of soils according to ASTM D-4318

Test	Results (%)
Liquid Limit	23.5
Plastic Limit	18.1
Plasticity Index	5.4

Signature /


Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+060) توسعة رصيف المحطة
 Type of sample : Soil Embankment
 Delivery Date : 08/01/2023
 Reporting Date : 15/01/2023
 Reporting No. : 41
 Sample No. : 16

Soil Classification According to Project Specs (Embankment)

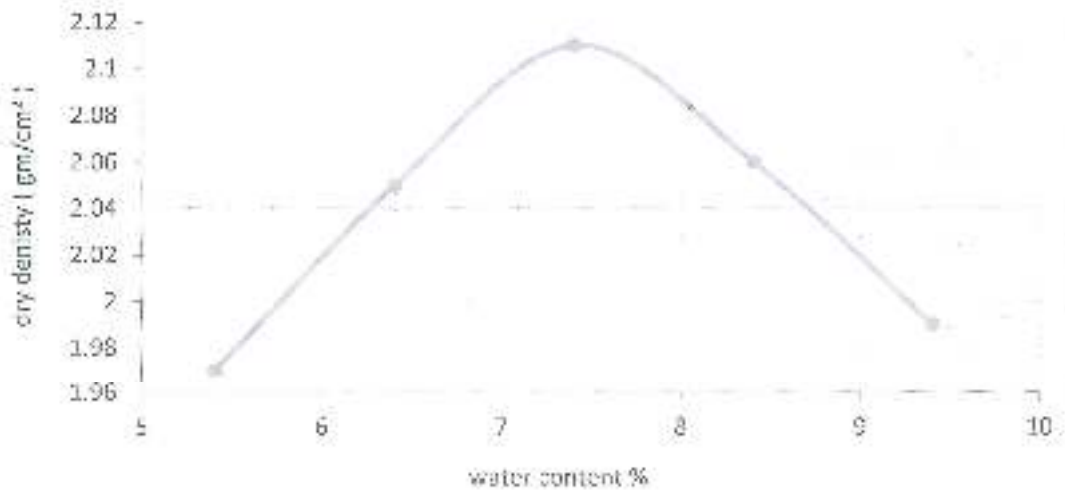
TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification	(A-1-a)	(A-1-a)	(A-1-b)
2.00 mm (No.10).	41.6	Max 50 %	—
0.425 mm (No. 40).	29.7	Max 30 %	Max 50 %
0.075 mm (No. 200).	10.1	Max 15 %	Max 15 %
Characteristics of fraction passing 0.425 mm (No.40)			
Liquid Limit	23.5		
Plasticity index	5.4	Max 6 %	Max 6 %

The test results are (✓ Comply - ✗ Not Comply) with specifications limits

Signature /

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+060) توسعة رصيف المحطة
 Type of sample : Soil Embankment
 Delivery Date : 08/01/2023
 Reporting Date : 15/01/2023
 Reporting No. : 41
 Sample No. : 16

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



- Max dry density (gm/cm³) : 2.11
- Optimum moisture content % : 7.4

Signature /



Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+140) : (408+300)
 Type of sample : Soil Embankment
 Delivery Date : 10/01/2023
 Reporting Date : 17/01/2023
 Reporting No. : 42
 Sample No. : 17

Dear Gentleman,

Attached here with the Soil Embankment delivered on 10/01/2023

Materials test

1. Sieve analysis according to ASTM D-422.
2. Material finer than sieve No. 200 according to ASTM D-1140.
3. Liquid limits and plasticity index of soil according to ASTM D-4318.
4. Soil classification according to Project Specs.
5. Proctor Test according to ASTM D-1557
6. CBR according to ASTM D-1883

Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken.

مكتب معامل الاستشارات الهندسية
 المختبر المركزي
 رقم ٢٥٥ - ٥٥١ - ٥٥٢
 شارع ٢٥٥ - ٥٥١ - ٥٥٢
 القاهرة - مصر

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www.cel-egypt.com

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+140) : (408+300)
 Type of sample : Soil Embankment
 Delivery Date : 10/01/2023
 Reporting Date : 17/01/2023
 Reporting No. : 42
 Sample No. : 17

Materials finer than 75 μ m (no.200) sieve
by washing ASTM D-1140.

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ M (No.200)	11.6

Signature /



Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (408+140) : (408+300)
Type of sample : Soil Embankment
Delivery Date : 10/01/2023
Reporting Date : 17/01/2023
Reporting No. : 42
Sample No. : 17

Results of liquid limit and plasticity index of soils according to ASTM D-4318

Test	Results (%)
Liquid Limit	23.1
Plastic Limit	18.7
Plasticity Index	4.4

Signature: _____

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+140) : (408+300)
 Type of sample : Soil Embankment
 Delivery Date : 10/01/2023
 Reporting Date : 17/01/2023
 Reporting No. : 42
 Sample No. : 17

Soil Classification According to Project Specs (Embankment)

TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification	(A-1-a)	(A-1-a)	(A-1-b)
2.00 mm (No.10).	46.1	Max 50 %	-----
0.425 mm (No. 40).	28.7	Max 30 %	Max 50 %
0.075 mm (No. 200).	11.6	Max 15 %	Max 15 %
Characteristics of fraction passing 0.425 mm (No.40)			
Liquid Limit	23.1	-----	-----
Plasticity index	4.4	Max 6 %	Max 6 %

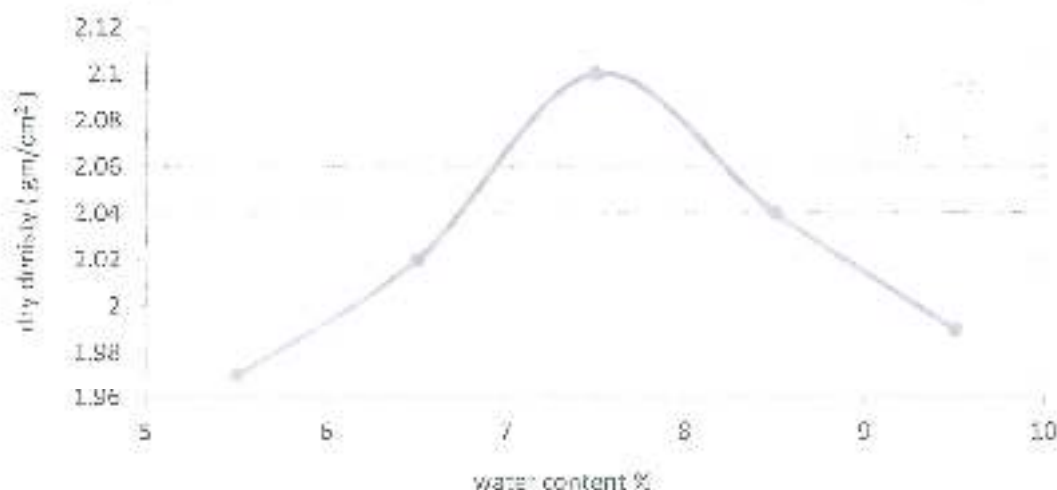
The test results are (☒ Comply - ☐ Not Comply) with specifications limits

Signature /

مكتب معامل الاستشارات الهندسية
 الأستاذ الدكتور
 محمد عبد الحليم
 مدير عام
 ٢٧٣٢٣٠٤٣ - ٢٧٣١٧٣٣١
 ٢٧٣٢٣٠٤٣ - ٢٧٣١٧٣٣١

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+140) : (408+300)
 Type of sample : Soil Embankment
 Delivery Date : 10/01/2023
 Reporting Date : 17/01/2023
 Reporting No. : 42
 Sample No. : 17

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



- Max dry density (gm/cm³) : 2.10
- Optimum moisture content % : 7.5

Signature /

مكتب محامل الاستشارات الهندسية
 المهندس / محمد عبد الله
 رقم ترخيص المهندس ٢٠٠٩ / ٢٠٠٩ - ٢٠٠٩
 ٢٠٠٩ / ٢٠٠٩ - ٢٠٠٩ / ٢٠٠٩

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (408+140) : (408+300)
 Type of sample : Soil Embankment
 Delivery Date : 10/01/2023
 Reporting Date : 17/01/2023
 Reporting No. : 42
 Sample No. : 17

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

penetration		stress on piston (Mpa)
mm	Inch	
0.64	0.025	2.70
1.27	0.050	2.89
1.91	0.075	3.10
2.54	0.100	3.30
3.18	0.125	3.42
3.81	0.150	3.52
4.45	0.175	3.63
5.08	0.200	3.68
5.71	0.225	3.75
6.35	0.250	3.83

CBR Result	Stress (Mpa)		CBR %
At 0.1 inch (2.54 mm) penetration	St. Value	Sample results	47.8
	6.90	3.30	

Notes :

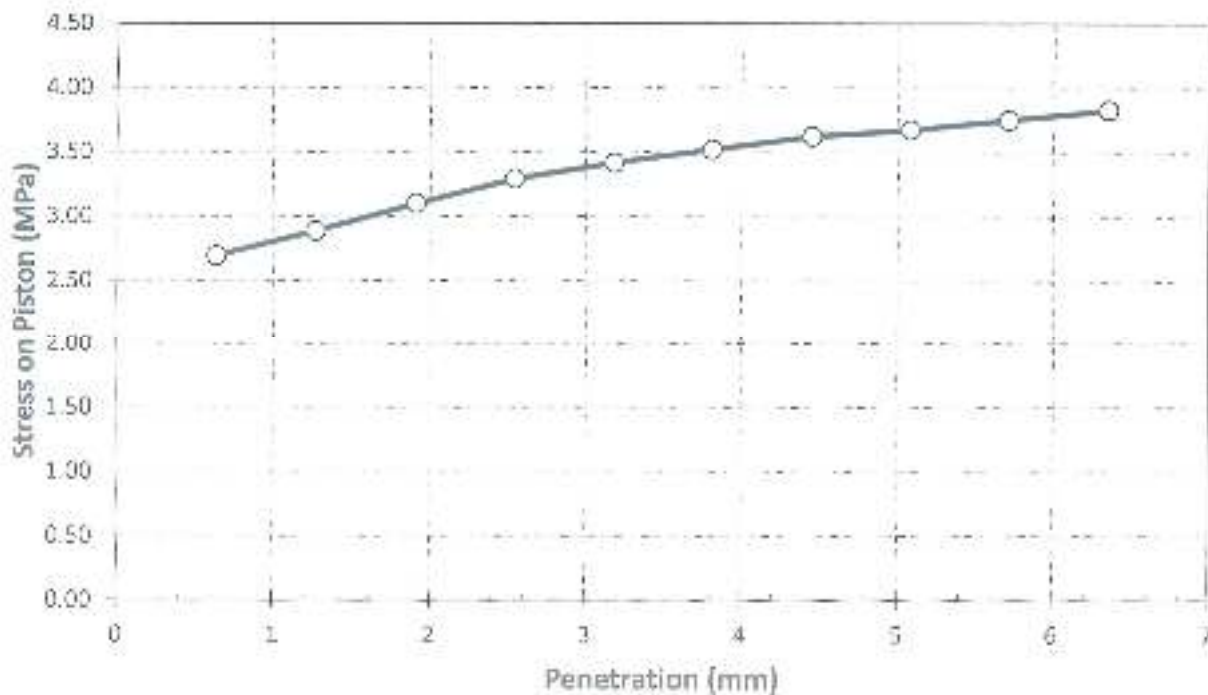
- 1- Attached graph shows penetration resistance versus penetration magnitude.
- 2- The sample was compacted to dry density of 2.10 (gm /cm³)
 At 7.5 % optimum water content.
- 3- Surcharge load 4500 kg

Signature /

مكتب معامل الاستشارات الهندسية
 المهندس /
 رئيس قسم الاختبارات
 17/01/2023 - 2023/01/17

Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (408+140) : (408+300)
Type of sample : Soil Embankment
Delivery Date : 10/01/2023
Reporting Date : 17/01/2023
Reporting No. : 42
Sample No. : 17

Load Penetration Curve of CBR Test ASTM D-1883



Signature /

مكتب معامل الاستشارات الهندسية
الرياض - القاهرة
رقم تسجيل المهندس ١٩٩٩ - ١٩٩٩
الترخيص رقم ١٩٩٩ - ١٩٩٩

Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (407+740) : (408+140)
Type of sample : Soil Embankment
Delivery Date : 14/01/2023
Reporting Date : 20/01/2023
Reporting No. : 43
Sample No. : 18

Dear Gentleman,

Attached here with the Soil Embankment delivered on 14/01/2023

Materials test

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

Note: The sample was brought by the client to our laboratory and the laboratory is not responsible for the way it is taken


Signature

٣ من الملك الأفضل
الزمانك - القاهرة
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Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+140)
 Type of sample : Soil Embankment
 Delivery Date : 14/01/2023
 Reporting Date : 20/01/2023
 Reporting No. : 43
 Sample No. : 18

**Materials finer than 75 μ m (no.200) sieve
 by washing ASTM D-1140.**

Test	Results (%)
Percentage of material finer than Sieve Size 75 μ M (No.200)	10.9

Signature / 

Company Name : Global Supply Chain
 Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
 Location : St. (407+740) : (408+140)
 Type of sample : Soil Embankment
 Delivery Date : 14/01/2023
 Reporting Date : 20/01/2023
 Reporting No. : 43
 Sample No. : 18

Results of liquid limit and plasticity index
of soils according to ASTM D-4318

Test	Results (%)
Liquid Limit	22.9
Plastic Limit	18.1
Plasticity Index	4.8

Signature /


Company Name : Global Supply Chain
Project : Electric Express Train, from Al Ain Sokhna to Marsa Matrouh
Location : St. (407+740) : (408+140)
Type of sample : Soil Embankment
Delivery Date : 14/01/2023
Reporting Date : 20/01/2023
Reporting No. : 43
Sample No. : 18

Soil Classification According to Project Specs (Embankment)

TEST	Results (%)	Limits according Projects Specs	
		(A-1-a)	(A-1-b)
• Group Classification	(A-1-a)	(A-1-a)	(A-1-b)
2.00 mm (No.10).	43.3	Max 50 %	—
0.425 mm (No. 40).	27.1	Max 30 %	Max 50 %
0.075 mm (No. 200).	10.9	Max 15 %	Max 15 %
Characteristics of fraction passing 0.425 mm (No.40)			
Liquid Limit	22.9		
Plasticity index	4.8	Max 6 %	Max 6 %

The test results are (☒ Comply - ☐ Not Comply) with specifications limits

Signature

٣ من الملك الأفضل
الزمالك - القاهرة
تليفون : ٢٢٢٢٢٢٢٢ - ٢٢٢٢٢٢٢٢
www.2el-egyp.com