

قائمة الكميات الواردة بالمستخلص جاري (3)

أعمال الجسر الترابي والأعمال الصناعية للخط الأول لمشروع القطار الكهربائي السريع (العين السخنة - العاصمة الإدارية - العاملين - مطروح) (قطاع وادي النطرون / برج العرب / الاسكندرية) استكمال طبقات الردم لتنفيذ المسافة من الكم 316+400 الى الكم 316+900 بطول 0.500 كم و المسافة من الكم 0+000 الي 0+110 بطول 0.110 كم.

عقد رقم (2024/2023/746)

علاوة بند (1-1) علاوة تحصيل رسوم الكارثة والموازن طبقا للائحة الشركة الوطنية.

تنفيذ : شركة منصور علي حسن .

مقدار العمل السابق :	42380.0	3م
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الكمية (م3)	الطول (متر)	الموقع الكيلومتری		مسلسل
		من الكم	الى الكم	
5900.00	350	316+400	316+750	1
5900.00	الكمية خلال فترة المستخلص (3م)			
48280.00	الإجمالي الكلي (3م)			

مهندس الاستشاري

مهندس الاستشاري

مهندس الشركة

مهندس الهيئة

مكتب د/ خالد قنديل

مكتب XYZ

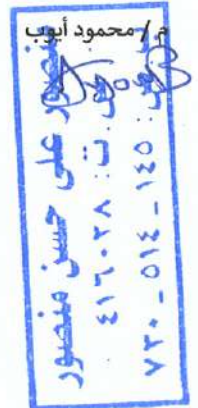
أحمد جلال

م / أحمد جلال

م / هشام محمد صبري

م / محمد خليل

م / محمود أيوب



قائمة الكميات الواردة بالمستخلص جاري (3)

أعمال الجسر الترابي والاعمال الصناعية للخط الاول لمشروع القطار الكهربائي السريع (العين السخنة - العاصمة الادارية - العاملين - مطروح) (قطاع وادي النطرون / برج العرب / الاسكندرية) استكمال طبقات الردم لتنفيذ المسافة من الكم 316+400 الى الكم 316+900 بطول 0.500 كم
و المسافة من الكم 0+000 الي 0+110 بطول 0.110 كم.

عقد رقم (2024/2023/746)

علاوة بند (1-1) علاوة مسافة النقل 155 كم .

ابتداء من مايو 2023 طبقاً للمفاوضه الخاصه بالقطاع الرابع بتاريخ 2023-12-18

تنفيذ : شركة منصور علي حسن .

مقدار العمل السابق :		8476.0	3م
مسلسل	الموقع الكيلومتری		الكمية (3م)
	من الكم	الى الكم	
1	316+400	316+750	350
الكمية خلال فترة المستخلص (3م)			1180.00
الاجمالي الكلي (3م)			9656.00

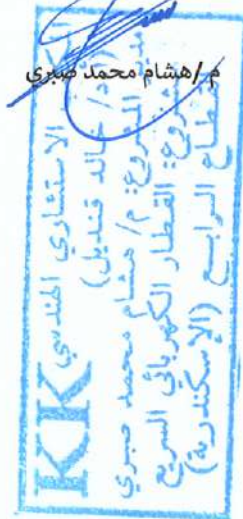
مهندس الهيئة

أحمد جلال

م / أحمد جلال

مهندس الاستشاري

مكتب د/ خالد قنديل



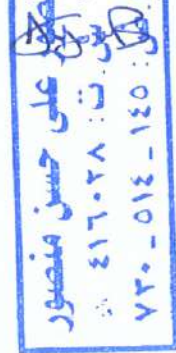
مهندس الاستشاري

مكتب XYZ



مهندس الشركة

م / محمود أيوب



قائمة الكميات الواردة بالمستخلص جاري (3)

أعمال الجسر الترابي والاعمال الصناعية للخط الاول لمشروع القطار الكهربائي السريع (العين السخنة - العاصمة الادارية - العاملين - مطروح) (قطاع وادي النطرون / برج العرب / الاسكندرية) استكمال طبقات الردم لتنفيذ المسافة من الكم 316+400 الى الكم 316+900 بطول 0.500 كم و المسافة من الكم 0+000 الي 0+110 بطول 0.110 كم. عقد رقم (2024/2023/746)

علاوة بند (1-1) علاوة مسافة النقل 145 كم .

ابتداء من مايو 2023 طبقاً للمفاوضه الخاصه بالقطاع الرابع بتاريخ 2023-12-18

تنفيذ : شركة منصور علي حسن .

مقدار العمل السابق :	33904.0	3م
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الكمية (م3)	الطول (متر)	الموقع الكيلومتری		مسلسل
		الى الكم	من الكم	
4720.00	350	316+750	316+400	1
4720.00	الكمية خلال فترة المستخلص (3م)			
38624.00	الاجمالي الكلي (3م)			

مهندس الهيئة

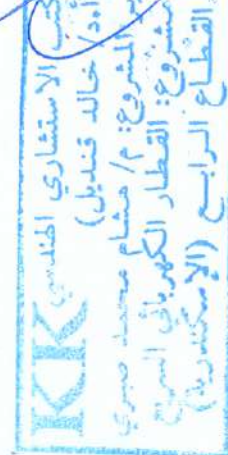
أحمد جلال

م / أحمد جلال

مهندس الاستشاري

مكتب د/ خالد قنديل

م / هشام محمد صبري



مهندس الاستشاري

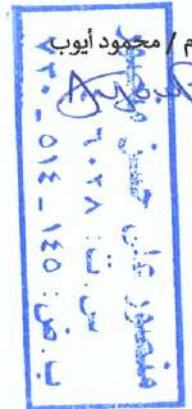
مكتب XYZ

م / محمد خليل



مهندس الشركة

م / محمود أيوب



قائمة الكميات الواردة بالمستخلص جاري (3)

أعمال الجسر الترابي والأعمال الصناعية للخط الأول لمشروع القطار الكهربائي السريع (العين السخنة - العاصمة الإدارية -
العملين - مطروح) (قطاع وادي النطرون / برج العرب / الاسكندرية) استكمال طبقات الردم
لتنفيذ المسافة من الكم 316+400 الى الكم 316+900 بطول 0.500 كم
و المسافة من الكم 0+000 الي 0+110 بطول 0.110 كم.
عقد رقم (2024/2023/746)

رقم البند وبياناته (1-1) بالمتر المكعب اعمال تحميل وتوريد ونقل اترية مطابقة للمواصفات وتشغيلها باستخدام الات التسوية بسمك لا
يزيد عن 50 سم حتي منسوب 2- متر وبسمك لا يزيد عن 25 سم لاستكمال المنسوب التصميمي لتشكيل الجسر والاكتاف (نسبه تحمل
كاليفورنيا لا تقل عن 15%) ورشها بالمياه الاصلوية للوصول إلى نسبة الرطوبة المطلوبة والدمك الجيد بالهراسات للوصول إلى أقصى كثافة
جافة (95% من الكثافة الجافة القصوى) ويتم التنفيذ طبقا للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التفصيلية
المعتمدة والبند بجميع مشتملاته طبقا لأصول الصناعة ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف.

ابتداء من مايو 2023 طبقاً للمفاوضه الخاصه بالقطاع الرابع بتاريخ 2023-12-18

تنفيذ :شركة منصور علي حسن

مقدار العمل السابق :		3م	42380.0
مسلسل	الموقع الكيلومري		الكمية (م3)
	من الكم	الى الكم	
1	316+400	316+750	5900.00
	الكمية خلال فترة المستخلص (3م)		5900.00
	الاجمالي الكلي (3م)		48280.00

مهندس الهيئة

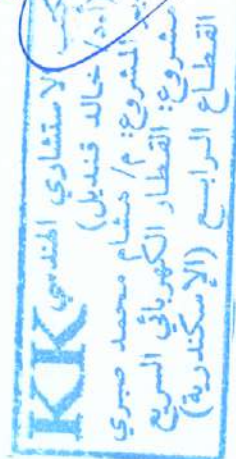
أحمد جلال

م / أحمد جلال

مهندس الاستشاري

مكتب د/ خالد قنديل

م / هشام محمد صبري



مهندس الاستشاري

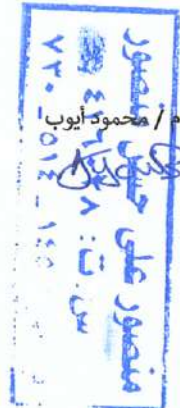
مكتب XYZ

م / محمد خليل



مهندس الشركة

م / محمود أيوب





الهيئة العامة
للشؤون والنقل
(GARR)



الهيئة العامة
للشؤون والنقل
(GARR)

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

5/10/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-4.50
Description :	MNS-F.L-009&REQ F.L 046	Layer Thickness:	FDT-6
Station Represented :	(316+620) (316+720)	Sample Date :	4/10/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.157	8.2	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1	2						
Stations	316+640	316+690						
Wt. of Sand before Test, gm	9374	8785						
Wt. of Sand After Test, gm	5534	6147						
Wt. of Sand in Cone + hole, gm	3810	3618						
Wt. of Sand in Cone	1454	1428						
Wt. of Sand at hole, gm	2356	2190						
Volume of the Hole, cm ³	1581	1470						
Wt. of Soil from Hole, gm	3482	3238						
Bulk Density of Soil, gm/cm ³	2.202	2.203						
Moisture Content, %	8.2	8.5						
Dry Density, gm/cm ³	2.074	2.069						
Compaction, (%)	96.1%	95.9%						

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.

Consultant Eng.

المكتب الاستشاري الهندسي
(أ.د. خالد قنديل)
مدير المشروع: م/ هشام محمد صبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

ATERIAL INSPECTION REQUEST



Contractor Company		Mansour Ali Hassan		Designer Company		(KK) Engineering Consulting Office																	
Issued by Contractor		Name Eng. Mahmoud Ayoub		Date/ Serial Number 4-10-2023 MNS-M.I.008		Time 10:00 AM																	
Received by ER		Eng. Gaber Ibrahim		MIR		<table border="1"> <tr> <th>C1</th> <th>C2</th> <th>C3</th> <th>DD</th> <th>MM</th> <th>YY</th> <th>HH</th> <th>MM</th> </tr> <tr> <td>316</td> <td>FW</td> <td>C5</td> <td>4</td> <td>10</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>		C1	C2	C3	DD	MM	YY	HH	MM	316	FW	C5	4	10	2023	10	00
C1	C2	C3	DD	MM	YY	HH	MM																
316	FW	C5	4	10	2023	10	00																

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials	Fill Layer.		
Location to be Used	From St. (316+620) to St. (316+720) (-4.50 m from ferma).		
MAR Approval No	(MNS-M.A003).	Date	3/10/2023
Supplier Name	El Sewy – EL Hahdi		
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP
Reference Photos	No	Other	

Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	2	4/10/2023	
2					
3					
4					

Comments by: Eng. Hesham Sabry (kk)	Comments by: Eng. Gaber Ibrahim
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.	1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	M. Ayoub	5/10/2023	A
QA/QC *	Eng. Hesham Sabry		5/10/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer
 ** Alignment / Bridges: Culvert Only

05-10-2023



الهيئة العامة للطرق والنقل

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

26/11/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-1.00
Description :	MNS-F.L.-049RT48&REQ F.L 086RT085	Layer Thickness:	FDT-39
Station Represented :	(316+560) (316+720)	Sample Date :	25/11/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.131	9.4	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1	2	3	4	5	6		
Stations	316+580	316+605	316+630	316+655	316+680	316+715		
Wt. of Sand before Test, gm	9906	9763	9513	9342	9108	8904		
Wt. of Sand After Test, gm	8031	8742	8584	8712	8550	8081		
Wt. of Sand in Cone + hole, gm	3875	4041	3829	3630	3542	3813		
Wt. of Sand in Cone	1428	1454	1428	1454	1428	1454		
Wt. of Sand in hole, gm	2447	2587	2401	2178	2114	2359		
Volume of the Hole, cm ³	1642	1736	1611	1460	1419	1583		
Wt. of Soil from Hole, gm	3321	3514	3563	3214	3095	3437		
Bulk Density of Soil, gm/cm ³	2.205	2.197	2.211	2.201	2.181	2.171		
Moisture Content, %	6.3	6.4	6.1	6.2	6.2	6.1		
Dry Density, gm/cm ³	2.074	2.065	2.084	2.072	2.062	2.046		
Compaction, (%)	97.3%	96.9%	97.8%	97.2%	96.3%	96.0%		

Acceptance Criteria

Comply

☐

Not Comply

☐

CONSULTANT COMMENTS

Lab Contractor Eng.:-
21-11-2023
٧٢٠ - ٥١٢ - ١٢٥

Consultant Eng.:-

البربري

المكتب الاستشاري الهندسي
(أ.د/ خالد قنديل)
مدير المشروع: م/ هشام محمد صبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

MATERIAL INSPECTION REQUEST



Contractor Company		Mansour Ali Hassan		Designer Company		(KK) Engineering Consulting Office																	
Issued by Contractor		Name		Date/ Serial Number		Time																	
		Eng. Mahmoud Ayoub		29-11-2023 MNS-M.I.050		10:00 AM																	
Received by ER		Eng. Gaber Ibrahim		MIR		<table border="1"> <tr> <td>31E</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>31E</td> <td>FIN</td> <td>CS</td> <td>29</td> <td>11</td> <td>2023</td> <td>10</td> <td>50</td> </tr> </table>		31E	C2	C3	DD	MM	YY	HH	MM	31E	FIN	CS	29	11	2023	10	50
31E	C2	C3	DD	MM	YY	HH	MM																
31E	FIN	CS	29	11	2023	10	50																

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials		Fill Layer.			
Location to be Used		St. (316+790) (-2.50 m from forma).			
MAR Approval No		(MNS-M.A021).		Date	
				22/11/2023	
Supplier Name		El Sewy - EL Hadi			
Test Requirement		F.D.T(ASTM D 1556)		Specification	
				EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP	
Reference Photos		No		Other	
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	29/11/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1. تم اسلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.			1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.		

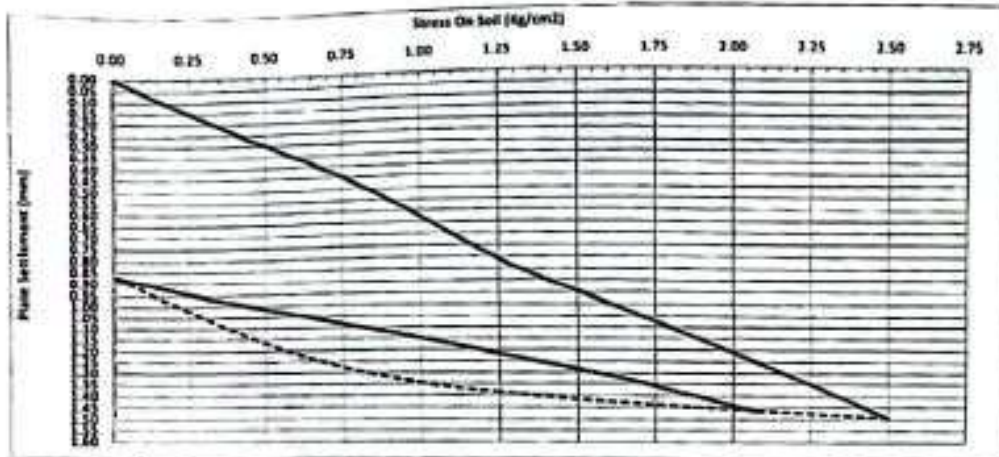
APPROVAL STATUS				Date	A-AWC-R
Organisation	Name	Sign			
Contractor	Eng. Mahmoud Ayoub	Mohamed Shaha		30/11/2023	A
QA/QC *	Eng. Hesham Sabry			30/11/2023	A
GARB**	Eng. Ahmed Galal				
Employers Representative	Eng. Gaber Ibrahim				A.W.C

* Designer
** Alignment / Bridges: Culvert Only

Company Name
Project
Test Date
Report date
Location
Test No.

مشور علي حسن :
: Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (4) - Alexandria to Borg El Arab.
: 27/09/2023
: 27/09/2023
: Station 316+670
: 01

Nonrepetitive Static Plate Load Tests of Soils DIN 18134



Loading (1)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.25	0.50	0.81	1.03	1.25	1.50

UnLoading (1)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	1.50	1.39	1.23	0.87

D (mm) = 600	S1 (mm) = 0.45	S2 (mm) = 1.08	ΔS = 0.62
Ev1 (MPa) = $(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$	71		

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.87	0.99	1.10	1.22	1.33	1.47

Ev2/Ev1 = 2.2

D (mm) = 600	S1 (mm) = 1.08	S2 (mm) = 1.36	ΔS = 0.28
Ev2 (MPa) = $(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$	159		

Ev1 = Modulus of deformation during the loading stage.
Ev2 = Modulus of deformation during the Reloading stage.
D = Plate diameter (mm)

Δσ = The difference between 0.3 and 0.7 from the maximum loading (σmax) (kg/cm²)

Δs = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)

مختبر محامل

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

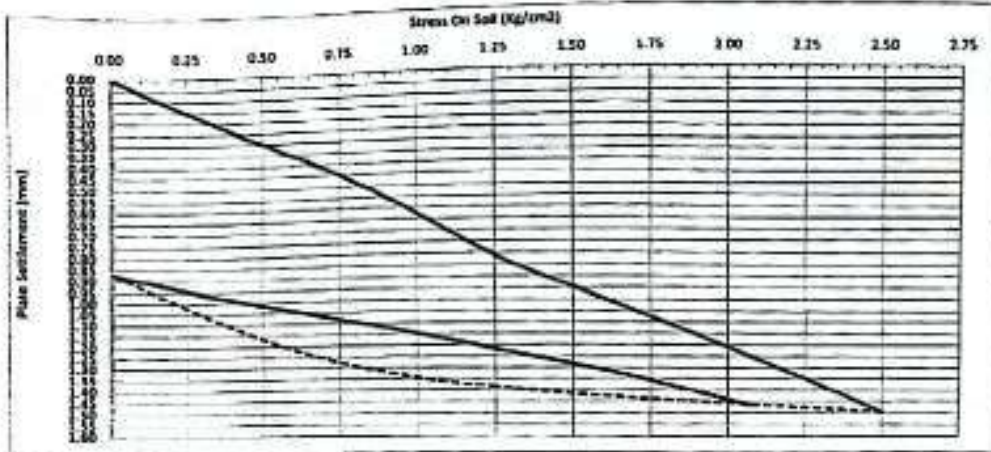


ش الملك الأفضل
الزمالك - القاهرة
تليفون + فاكس : ٢٧٣٦٧٢٣١ - ٢٧٣٦٣٠٩٣
www.cel-egypt.com

Company Name
Project
Test Date
report date
Location
Test No.

مصدر علي حسن :
: Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (4) - Alexandria to Borg El Arab.
: 27/09/2023
: 27/09/2023
: Station 316+670
: 01

Nonrepetitive Static Plate Load Tests of Soils
DIN 18134



Loading (1)	0	1	2	3	4	5	6
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1	7065
Stress (Kg/cm²)	0.00	0.42	0.83	1.25	1.67	2.08	2.50
Settlement (mm)	0.00	0.25	0.50	0.81	1.03	1.25	1.50

UnLoading (1)	1	2	3	4
Stage(Kg)	7065	3533	1768	0
Stress (Kg/cm²)	2.50	1.25	0.625	0.01
Settlement (mm)	1.50	1.39	1.23	0.87

D (mm) =	600	S1 (mm)=	0.45	S2(mm)=	1.08	ΔS =	0.62
Ev1 (MPa) =	$(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$		71				

Loading (2)	0	1	2	3	4	5
Stage(Kg)	0	1186.92	2345.6	3532.5	4719.4	5878.1
Stress (Kg/cm²)	0.01	0.42	0.83	1.25	1.67	2.08
Settlement (mm)	0.87	0.99	1.10	1.22	1.33	1.47

Ev2/Ev1 = 2.2

D (mm) =	600	S1 (mm)=	1.06	S2(mm)=	1.36	ΔS =	0.28
Ev2 (MPa) =	$(0.75 \cdot D \cdot \Delta \sigma) / \Delta S$		159				

Ev1 = Modulus of deformation during the loading stage.
Ev2 = Modulus of deformation during the Reloading stage.
D = Plate diameter (mm)
Δσ = The difference between 0.3 and 0.7 from the maximum loading (σmax) (kg/cm²)
ΔS = Difference in settlements corresponding to 0.3 and 0.7 from the maximum loading (mm)



مختبر محامل

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



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



شركة
النقل
(ICARD)



الهيئة القومية للإسكان



Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work Lab Testing Results Date 4/12/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-0.25
Description :	MNS-F.L.-0598&REQ F.L 096	Layer Thickness:	FDT-48
Station Represented :	(316+560) (316+720)	Sample Date :	3/12/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.101	8.3	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1	2	3	4	5	6		
Stations	316+580	316+605	316+630	316+655	316+680	316+715		
Wt. of Sand before Test, gm	9854	9572	8608	9182	8512	8572		
Wt. of Sand After Test, gm	5926	5857	5604	5504	4819	4878		
Wt. of Sand in Cone + hole, gm	3938	3715	3914	3688	3993	3824		
Wt. of Sand in Cone	1454	1428	1454	1428	1454	1428		
Wt. of Sand in hole, gm	2484	2287	2460	2260	2539	2396		
Volume of the Hole, cm ³	1667	1535	1651	1517	1704	1608		
Wt. of Soil from Hole, gm	3721	3392	3331	3109	3003	3362		
Bulk Density of Soil, gm/cm ³	2.232	2.210	2.219	2.247	2.232	2.216		
Moisture Content, %	6.1	6.1	6	6.2	6.4	6.3		
Dry Density, gm/cm ³	2.104	2.079	2.094	2.116	2.098	2.084		
Compaction, (%)	97.4%	96.2%	96.9%	97.9%	97.1%	96.5%		

Acceptance Criteria Comply Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.:-
430 512 - 123

Consultant Eng.:-

KK
(أ.د/ خالد قنديل)
مدير المشروع: م/ هشام محمد منبزي
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours
 The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	MANSOUR ALI HASSAN		Designer Company*	(KK) Engineering Consulting Office																
Issued by Contractor	Name	Sign	Date	Time																
	Eng: Mahmoud Ayoub	M. Ayoub	23-10-2023	09:00 AM																
Received by Employers Representative	Eng. Gaber Ibrahim	UIR	<table border="1"> <tr> <td>CI</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>316</td> <td>EW</td> <td>CS</td> <td>23</td> <td>10</td> <td>23</td> <td>9</td> <td>00</td> </tr> </table>		CI	C2	C3	DD	MM	YY	HH	MM	316	EW	CS	23	10	23	9	00
	CI	C2	C3	DD	MM	YY	HH	MM												
316	EW	CS	23	10	23	9	00													
CODE-1	S1 to S21 Station Reference		D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used																
CODE-2	Work Activity																			
CODE-3	Sub Element of Activity																			

EXPLANATION OF WORK TO BE INSPECTED

Description	Element	Item
MNS-F.L-027 & REQ F.L 064 ST 316+620 TO 316+720	Fill Layer (-2.50m) From Ferma	Fill For Embankment

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
23/10/2023	3:00

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☒	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	MS Reference	
TECHNICAL REPORT (CG21-181.1) VERSION1 BY CIVECON GROUP	MNS-M.A012 MNS-M.I.022	- MASTER SHEET & Grid Levelling - Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION2 BY CIVECON GROUP.	

Comments by: Eng. Hesham Sabry (KK)

1. تم استلام القطاع فحص بشري
2. تم مراجعة شيت المنايب
3. تم استلام القطاع عروض ومنايب من استشاري XYZ
4. تم تحقيق نسب الدك المطلوبة

Comments by: Eng. Gaber Ibrahim (ER)

1. Contractor must take into account safety of received work until all work completed.
2. Surveying & Soil Material Works Inspected and approved by GARB Consultant (XYZ&KK) respectively.
3. Final approval is subject to above mentioned comments.

INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor	Eng: Mahmoud Ayoub	M. Ayoub			A	
XYZ Survey	Eng. Ahmed Awwad	A. Awwad				
QA/QC*	Eng. Hesham Sabry	H. Sabry	24/10/2023	2:00	A	
GARB**	Eng. Ahmed Galal	A. Galal				
Employers Representative	Eng. Gaber Ibrahim	G. Ibrahim			AWSC	

* Designer

** Alignment: Bridges: Culvert Only

MNS-F.L-027 & REQ F.L 064 ST 316+620 TO 316+720 (-2.50)

RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours
 The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	MANSOUR ALI HASSAN		Designer Company*	(KK) Engineering Consulting Office						
Issued by Contractor	Name	Sign	Date	Time						
	Eng: Mahmoud Ayoub	M. Ayoub	18-10-2023	09:00 AM						
Received by Employers Representative	Eng. Gaber Ibrahim	UIR	C1	C2	C3	DD	MM	YY	HH	MM
			316	EW	CS	18	10	23	9	00

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

EXPLANATION OF WORK TO BE INSPECTED

Description	Element	Item
MNS-F.L-020 RT 019 & REQ F.L 057 RT 056 ST 316+620 TO 316+720	Fill Layer (-3.00m) From Ferma	Fill For Embankment

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
18/10/2023	11.00

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☒	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	
TECHNICAL REPORT (CG21-181.1) VERSION1 BY CIVECON GROUP	MNS-M.A010 MNS-M.I.017	- MASTER SHEET & Grid Levelling - Specification: EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION2 BY CIVECON GROUP.	

Comments by: Eng. Hesham Sabry (KK)	Comments by: Eng. Gaber Ibrahim (ER)
1. تم استلام القطاع فحص بصري 2. تم مراجعة شيت المناسيب 3. تم استلام القطاع عروض ومناسيب من استشاري XYZ 4. تم تحقيق نسب الدمك المطلوبة	1. Contractor must take into account safety of received work until all work completed. 2. Surveying & Soil Material Works inspected and approved by GARB Consultant (XYZ&KK) respectively. 3. Final approval is subject to above mentioned comments.

INSPECTION RESULT					Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time	A-AWC-R	
Contractor	Eng: Mahmoud Ayoub	M. Ayoub			A	
XYZ Survey	Eng. Ahmed Awwad					
QA/QC*	Eng. Hesham Sabry		18/10/2023	3:00	A	
GARB**	Eng. Ahmed Galal					
Employers Representative	Eng. Gaber Ibrahim				AWC	

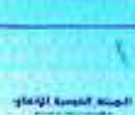
* Designer

** Alignment: Bridges: Culvert Only

MNS-F.L-020 RT 019 & REQ F.L 057 RT 056 ST 316+620 TO 316+720 (-3.00)

Page 1 of 1

INSPECTION REQUEST



Contractor Company	Mansour Ali Hassan		Designer Company	(KK) Engineering Consulting Office																
Issued by Contractor	Name Eng. Mahmoud Ayoub	Sign Mohamed Shehry	Date/ Serial Number 7-12-2023 MNS-M.I.060	Time 10:00 AM																
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>316</td> <td>EW</td> <td>C5</td> <td>7</td> <td>12</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>		C1	C2	C3	DD	MM	YY	HH	MM	316	EW	C5	7	12	2023	10	00
C1	C2	C3	DD	MM	YY	HH	MM													
316	EW	C5	7	12	2023	10	00													

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.		
Location to be Used	From St. (0+000) to St. (0+020) (-1.75 m from FERMA.)		
MAR Approval No	(MNS-M.A022).	Date	28/11/2023
Supplier Name	El Sewy – EL Hadi		
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP
Reference Photos	No	Other	

Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	7/12/2023	
2					
3					
4					

Comments by: Eng. Hesham Sabry (kk)	Comments by: Eng. Gaber Ibrahim
1. تم استلام القطاع 2. تم تحقيق نسبة الدمك المطلوبة	1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed Shehry	9/12/2023	A
QA/QC *	Eng. Hesham Sabry		9/12/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer
** Alignment / Bridges: Culvert Only

09-12-2023



الهيئة العامة
للتنظيم والإدارة
SAGRD



الهيئة العامة للإعانة



Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

8/12/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1558

Company:	MANSSOUR ALI HASSAN	Layer NO:	M-1.75
Description :	MNS-F.L-065&REQ F.L 102	Layer Thickness:	FDT-54
Station Represented :	(0+000) (0+020)	Sample Date :	7/12/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.16	6.8	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1							
Stations	0+010							
Wt. of Sand before Test, gm	9327							
Wt. of Sand After Test, gm	5418							
Wt. of Sand in Cone + hole, gm	3909							
Wt. of Sand in Cone	1454							
Wt. of Sand at hole, gm	2455							
Volume of the Hole, cm ³	1648							
Wt. of Soil from Hole, gm	3526							
Bulk Density of Soil, gm/cm ³	2.201							
Moisture Content, %	6.0							
Dry Density, gm/cm ³	2.076							
Compaction, (%)	96.1%							

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.

Consultant Eng.:

المكتب الاستشاري الهندسي
KK (أ.د. خالد قنديل)
مدير المشروع: م. هشام محمد مبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

INSPECTION
REQUEST

Contractor Company	Mensour Ali Hassan			Designer Company	(KK) Engineering Consulting Office																		
Issued by Contractor	Name	Sign		Date/ Serial Number	Time																		
	Eng. Mahmoud Ayoub	Mohamed Shaker		7-12-2023 MNS-M.I.059	10:00 AM																		
Received by ER	Eng. Gaber Ibrahim	MIR		<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>315</td> <td>EW</td> <td>CS</td> <td>7</td> <td>12</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>				C1	C2	C3	DD	MM	YY	HH	MM	315	EW	CS	7	12	2023	10	00
	C1	C2	C3	DD	MM	YY	HH	MM															
315	EW	CS	7	12	2023	10	00																

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (316+790) to St. (316+820) (- 1.75 m from FERMA).				
MAR Approval No	(MNS-M.A022).	Date	28/11/2023		
Supplier Name	El Sewy – EL Hadi				
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	2	7/12/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.			1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed Shaker	9/12/2023	A
QA/QC *	Eng. Hesham Sabry		9/12/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer

** Alignment / Bridges: Culvert Only

MATERIAL INSPECTION REQUEST



Contractor Company	Mansour Ali Hassan		Designer Company	(KK) Engineering Consulting Office																	
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																	
	Eng. Mahmoud Ayoub	Mohamed Shehn	3-12-2023 MNS-M.I.056	10:00 AM																	
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DO</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>316</td> <td>EW</td> <td>C5</td> <td>3</td> <td>12</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>			C1	C2	C3	DO	MM	YY	HH	MM	316	EW	C5	3	12	2023	10	00
C1	C2	C3	DO	MM	YY	HH	MM														
316	EW	C5	3	12	2023	10	00														

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (316+790) to St. (316+800) (-2.00 m from forma).				
MAR Approval No	(MNS-M.A022).	Date	28/11/2023		
Supplier Name	El Sewy – EL Hadi				
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	3/12/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)		Comments by: Eng. Gaber Ibrahim			
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.		1- F.D.T was carried-out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.			

APPROVAL STATUS				Date	A-AWC-R
Organisation	Name	Sign		4/12/2023	A
Contractor	Eng. Mahmoud Ayoub	Mohamed Shehn		4/12/2023	A
QA/QC *	Eng. Hesham Sabry				
GARB**	Eng. Ahmed Galal				
Employers Representative	Eng. Gaber Ibrahim				A.W.C

* Designer

** Alignment / Bridges: Culvert Only



الهيئة القومية للإنفاق



Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

4/12/2023

Density and Unit Weight of Soil In Place by the Sand-Cone Method - ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-2.00
Description :	MNS-F.L-061&REQ F.L 098	Layer Thickness:	FDT-50
Station Represented :	(316+790) (316+800)	Sample Date :	3/12/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.16	6.8	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1								
Stations	316+795								
Wt. of Sand before Test, gm	9757								
Wt. of Sand After Test, gm	6046								
Wt. of Sand in Cone + hole, gm	3711								
Wt. of Sand in Cone	1454								
Wt. of Sand at hole, gm	2257								
Volume of the Hole, cm ³	1515								
Wt. of Soil from Hole, gm	3352								
Bulk Density of Soil, gm/cm ³	2.213								
Moisture Content, %	6.3								
Dry Density, gm/cm ³	2.082								
Compaction, (%)	96.4%								

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS:

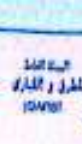
المهندس محمد علي
Lab Contractor Eng.-
٧٢٠ ٥١٢ ١٢٥

Consultant Eng.-

المهندس

المكتب الاستشاري الهندسي
(أ.د/ خالد قنديل)
مدير المشروع: م/ منام محمد مبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

MATERIAL INSPECTION REQUEST



Contractor Company	Monsieur Ali Hassan		Designer Company	(KK) Engineering Consulting Office							
Issued by Contractor	Name	Sign	Date/ Serial Number	Time							
	Eng. Mahmoud Ayoub	Mohamed Shehi	3-12-2023 MNS-M.I.055	10:00 AM							
Received by ER	Eng. Gaber Ibrahim		MIR	C1	C2	C3	DD	MM	YY	HH	MM
				316	20	05	3	12	2023	10	00

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (0+000) to St. (0+020) (-2.00 m from ferma).				
MAR Approval No	(MNS-M.A022).	Date	28/11/2023		
Supplier Name	El Sewy – El. Hadi				
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	3/12/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)		Comments by: Eng. Gaber Ibrahim			
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.		1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.			

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed Shehi	4/12/2023	A
QA/QC *	Eng. Hesham Sabry		4/12/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer
 ** Alignment / Bridges: Culvert Only

04/12/2023



الهيئة العامة
للطرق والنقل
(ERTA)



الهيئة العامة للنقل

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

4/12/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method - ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-2.00
Description :	MNS-F.L.-060&REQ F.L 097	Layer Thickness:	FDT-49
Station Represented :	(0+000) (0+020)	Sample Date :	3/12/2023

Modified Proctor Testing Results:

Max. Dry Density, gm/cm^3	Optimum Moisture Content, %	Degree of Compaction Required : %	Bulk Density of Specified Sand, gm/cm^3
2.16	6.8	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1							
Stations	0+010							
Wt. of Sand before Test, gm	9783							
Wt. of Sand After Test, gm	6046							
Wt. of Sand in Cone + hole, gm	3717							
Wt. of Sand in Cone	1454							
Wt. of Sand at hole, gm	2263							
Volume of the Hole, cm^3	1519							
Wt. of Soil from Hole, gm	3352							
Bulk Density of Soil, gm/cm^3	2.207							
Moisture Content, %	7.3							
Dry Density, gm/cm^3	2.076							
Compaction, (%)	96.1%							

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

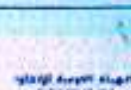
مستشار
م. هاشم محمد صبري
Lab Contractor Eng.:-
٧٢٠ - ٥١٥ - ١٢٥

Consultant Eng.:-

ع. البريقي

المكتب الاستشاري الهندسي
KK (أ.د/ خالد قنديل)
مدير المشروع: م/ هاشم محمد صبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

MATERIAL INSPECTION REQUEST



Contractor Company	Mansour Ali Hassan		Designer Company	(KK) Engineering Consulting Office																
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																
	Eng. Mahmoud Ayoub	Mohamed shehry	3-12-2023 MNS-M.I.054	10:00 AM																
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>316</td> <td>EW</td> <td>CS</td> <td>3</td> <td>12</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>		C1	C2	C3	DD	MM	YY	HH	MM	316	EW	CS	3	12	2023	10	00
C1	C2	C3	DD	MM	YY	HH	MM													
316	EW	CS	3	12	2023	10	00													

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials	Fill Layer.		
Location to be Used	From St. (316+560) to St. (316+720) (-0.25 m from ferma).		
MAR Approval No	(MNS-M.A021).	Date	22/11/2023
Supplier Name	El Sewy – EL Hadj		
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP
Reference Photos	No	Other	

Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	7	3/12/2023	
2					
3					
4					

Comments by: Eng. Hesham Sabry (kk)	Comments by: Eng. Gaber Ibrahim
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.	1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed shehry	4/12/2023	A
QA/QC *	Eng. Hesham Sabry		4/12/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer

** Alignment / Bridges: Culvert Only

MATERIAL INSPECTION REQUEST



Contractor Company	Mansour All Hassan		Designer Company	(KK) Engineering Consulting Office																	
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																	
	Eng. Mahmoud Ayoub	Mohamed Shehry	30-11-2023 MNS-M.I.052	10:00 AM																	
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>31G</td> <td>EW</td> <td>C5</td> <td>30</td> <td>11</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	31G	EW	C5	30	11	2023	10	00		
C1	C2	C3	DD	MM	YY	HH	MM														
31G	EW	C5	30	11	2023	10	00														

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

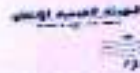
Description of Materials	Fill Layer.				
Location to be Used	From St. (316+560) to St. (316+720) (-0.50 m from ferma).				
MAR Approval No	(MNS-M.A021).	Date	22/11/2023		
Supplier Name	El Sewy – EL Hadi				
Test Requirement	F.D.T (ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	7	30/11/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.			1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.		

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed Shehry	2/12/2023	A
QA/QC *	Eng. Hesham Sabry		2/12/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim		02/12/2023	AWC

* Designer
** Alignment / Bridges: Culvert Only

MATERIAL INSPECTION REQUEST



2023/11/29

Contractor Company	Mansour Ali Hassan		Designer Company	(KK) Engineering Consulting Office																	
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																	
	Eng. Mahmoud Ayoub	Mohamed shehry	29-11-2023 MNS-M.I.051	10:00 AM																	
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>CL</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>255</td> <td>EW</td> <td>C3</td> <td>29</td> <td>11</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>	CL	C2	C3	DD	MM	YY	HH	MM	255	EW	C3	29	11	2023	10	00		
CL	C2	C3	DD	MM	YY	HH	MM														
255	EW	C3	29	11	2023	10	00														

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (0+000) to St. (0+010) (-2.50 m from ferma).				
MAR Approval No	(MNS-M.A021).	Date	22/11/2023		
Supplier Name	El Sewy – EL Hadl				
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			

Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	29/11/2023	
2					
3					
4					

Comments by: Eng. Hesham Sabry (kk)	Comments by: Eng. Gaber Ibrahim
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.	1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed shehry	30/11/2023	A
QA/QC *	Eng. Hesham Sabry		30/11/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim		30-11-2023	AWC

* Designer
 ** Alignment / Bridges: Culvert Only

Contractor Company	Mansour All Hassan		Designer Company	(KK) Engineering Consulting Office																
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																
	Eng. Mahmoud Ayoub	Mahmoud shahin	29-11-2023 MNS-M.I.051	10:00 AM																
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <th>CS</th> <th>C2</th> <th>C3</th> <th>DD</th> <th>MM</th> <th>YY</th> <th>HH</th> <th>MM</th> </tr> <tr> <td>315</td> <td>EW</td> <td>CS</td> <td>25</td> <td>11</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>		CS	C2	C3	DD	MM	YY	HH	MM	315	EW	CS	25	11	2023	10	00
	CS	C2	C3	DD	MM	YY	HH	MM												
315	EW	CS	25	11	2023	10	00													

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

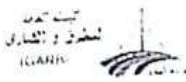
Description of Materials	Fill Layer.				
Location to be Used	From St. (0+000) to St. (0+010) (-2.50 m from ferma)-				
MAR Approval No	(MNS-M.A021).	Date	22/11/2023		
Supplier Name	El Sewy – EL Hadi				
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	1	29/11/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة .			1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.		

APPROVAL STATUS

Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mahmoud shahin	30/11/2023	A
QA/QC *	Eng. Hesham Sabry		30/11/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim		30-11-2023	A.W.C

* Designer

** Alignment / Bridges: Culvert Only



القطاع العام

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

1/12/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-2.50
Description :	MNS-F.L.-055&REQ F.L 093	Layer Thickness:	FDT-45
Station Represented :	(0+000) (0+010)	Sample Date :	29/11/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.101	8.3	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1							
Stations	0+010							
Wt. of Sand before Test, gm	9692							
Wt. of Sand After Test, gm	6007							
Wt. of Sand in Cone – hole, gm	3685							
Wt. of Sand in Cone	1454							
Wt. of Sand at hole, gm	2231							
Volume of the Hole, cm ³	1497							
Wt. of Soil from Hole, gm	3211							
Bulk Density of Soil, gm/cm ³	2.145							
Moisture Content, %	6.0							
Dry Density, gm/cm ³	2.023							
Compaction, (%)	96.3%							

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.:-

Consultant Eng.:-

المكتب الاستشاري الهندسي
(أ.د. خالد قنديل)
مدير المشروع: م/ هشام محمد صبري
مشروع: القطار الكهربائي السريع
القطاع الرابع (الإسكندرية)

Contractor Company	Mansour All Hassan		Designer Company	(KK) Engineering Consulting Office	
Issued by Contractor	Name	Sign	Date/ Serial Number	Time	
	Eng. Mahmoud Ayoub	M. Ayoub	27-09-2023 MNS-M.I.003	12:30 PM	
Received by ER	Eng. Gaber Ibrahim	MIR	C1	C2	C3
			316	EW	CS
			DD	MM	YY
			27	09	2023
			HH	MM	
			12	30	

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (316+620) to St. (316+720) Fill Layer (-5.50) m from ferma.				
MAR Approval No	(MNS-M.A001).	Date	26/09/2023		
Supplier Name	El Sewy – EL Hahdi				
Test Requirement	PLT DIN 18134	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Plate load test	NUMBER	1	27/09/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1- تم اجراء اختبار P.L.T بواسطة معمل سيل. 2- تم تحقيق النتائج المطلوبة طبقا لمواصفات المشروع.			1-P.L.T was carried- out by CEL Lab. Attendances of material engineer for both contractor and GARB Consultant. 2-Results report attached and acceptable with project specifications. 3-Final approval is subject to above-mentioned comments.		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	M. Ayoub	27-09-2023	A
QA/QC *	Eng. Hesham Sabry		27/9/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer
** Alignment / Bridges: Culvert Only

27/09/2023

Transmittal cover sheet

Project : EET.

Date : 27/09/2023

Gentlemen,

Attached the following PLT test result:

Company : منصور علي حسن

Date of test: 27/09/2023

Location of test: Station (316+620 to 316+720)

No. of PLT reports : (1 Tests)

No. pages of reports: (2 pages)

Copy to main Contractor: G.A.R.B.L.T

Copy to main consultant: SYSTRA.

Copy to Contractor consultant: Khaled Kandel.

Copy to Sub contractor: منصور علي حسن



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



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

Company : منصور علي حسن

Project : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (4)
- Alexandria to Borg El Arab.

Subject : Determine the deformation and strength characteristics of soil by the plate
loading test according specifications DIN 18134:2012-04 and project requirements

Test Location : Station (316+620 to 316+720)

Test Date : 27/09/2023

Report Date : 27/09/2023

Type of soil : Lower Embankment

Test level : A-1-a

Report No. : 001

Dear Gentleman,

According to the above mentioned subject the test performed as follows:-

Apparatus

1. Loading plates consists of two plates with 600 mm and 300 mm diameter
2. The thickness of plates 30 mm
3. Dial gauges with accuracy 0.01 mm to measuring the settlement
4. Steel straightedges with magnetic supports to fixed the dial gauges
5. Hydraulic jack with pump to transfer reactive loads to the loading plates
6. Dial Indicator measuring device with scale capacity 700 Bar (Enerbac)
7. Reaction loading system by roller compactor with weight approximately 15 ton
8. Calibration certificates are attached

Test Procedure

1. Clean the ground on test area to the required level with undisturbed soil
2. Install loading plates 600 mm and 300 mm diameter, hydraulic jack and 3 dial gauges
3. Prior to starting the test applied preloading about 30 seconds.
4. The strain gauge and the dial gauge shall be set to zero
5. For a 600 mm loading plate, the limit values are 2.5 kg/cm²
6. The load shall be applied in six stages, in approximately equal increments, until the required maximum normal stress is reached.
7. Each change in load (from stage to stage) shall be completed within one minute
8. The load shall be released in 3 stages, to 50 % , 25 % , and approximately 2 % of the maximum load.
9. Following unloading, a further (2nd) loading cycle shall be carried out, in which, however, the load is to be increased only to the penultimate stage of the first cycle (so that the full load is not reached).
10. At each stage the load shall be maintained until the rate of settlement of the plate becomes less than 0.02 mm/min.
11. Remove the loads



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Zamalek, Cairo.
Tel. & Fax : 27367231 - 27363093



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1. Evaluation and representation of results
2. Load Settlement curve
3. The test report content the following:-
 - location of test site - Dimension of loading plate
 - Measuring device used - Type of soil
 - Type of Bedding material below the plate -Weathering condition
 - Time and date of measurements - Unusual observation made during test
 - Dial gauge reading and corresponding normal stress - Loading-settlement curve
 - Description of the soil condition below the plate after testing

- Type of Soil : Lower Embankment
- Job Requirement : $E_{v2} > (30 \text{ MPa})$

Evaluation and representation of results

Signature /

Company Name : منصور علي حسن
Project : Electric Express Train, Al Ain Sokhna to Marsa Matrouh Priority Sector (4) - Alexandria to Borg El Arab.
Test Date : 27/09/2023
report date : 27/09/2023
Location : Station 316+670
Test No. : 01

Nonrepetitive Static Plate Load Tests of Soils
DIN 18134

Data sheet

Loading Stage (1)

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.00	20.00	0.00	20.00	0.00	20.00	0.00	0.00
1	0.42	19.79	0.21	19.70	0.30	19.75	0.25	0.25
2	0.83	19.61	0.39	19.45	0.55	19.44	0.56	0.50
3	1.25	19.40	0.60	19.11	0.89	19.06	0.94	0.81
4	1.67	19.24	0.76	18.86	1.14	18.80	1.20	1.03
5	2.08	19.10	0.90	18.63	1.37	18.51	1.49	1.25
6	2.50	18.94	1.06	18.38	1.62	18.19	1.81	1.50

Unloading Stage (1)

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
1	2.50	18.94	1.06	18.38	1.62	18.19	1.81	1.50
2	1.25	19.01	0.99	18.52	1.48	18.31	1.69	1.39
3	0.625	19.12	0.88	18.70	1.30	18.50	1.50	1.23
4	0.01	19.38	0.62	19.13	0.87	18.87	1.13	0.87

Loading Stage (2)

Loading	Stress Kg/cm2	Dial 1	Settlement mm	Dial 2	Settlement mm	Dial 3	Settlement mm	Average
0	0.42	19.28	0.72	18.97	1.03	18.77	1.23	0.99
1	0.83	19.20	0.80	18.84	1.16	18.65	1.35	1.10
2	1.25	19.13	0.87	18.72	1.28	18.50	1.50	1.22
3	1.67	19.04	0.96	18.60	1.40	18.36	1.64	1.33
4	2.08	18.95	1.05	18.46	1.54	18.18	1.82	1.47

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Zamalek, Cairo.
Tel.& Fax : 27367231 - 27363093



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ATERIAL INSPECTION REQUEST



الهيئة العامة
للحرق و (الطرق)
(GARB)



الهيئة العامة للإعطاء
مصر

Contractor Company	Mansour Ali Hassan		Designer Company	(KK) Engineering Consulting Office			
Issued by Contractor	Name	Sign	Date/ Serial Number	Time			
	Eng. Mahmoud Ayoub	M. Ayoub	9-10-2023 MNS-M.I.010	10:00 AM			
Received by ER	Eng. Gaber Ibrahim	MIR	C1	C2	C3	DD	MM
			316	EW	CS	9	10
							YY
							MM
							HH
							MM

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (316+620) to St. (316+720) (-4.00 m from ferma).				
MAR Approval No	(MNS-M.A003).	Date	3/10/2023		
Supplier Name	El Sewy – EL Hahdi				
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	NO	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	2	9/10/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)		Comments by: Eng. Gaber Ibrahim			
1. تم استلام القطاع .SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة .		1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.			

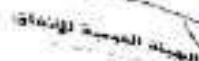
APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	M. Ayoub	10/10/2023	A
QA/QC *	Eng. Hesham Sabry		10/10/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			A.W.C

* Designer

** Alignment / Bridges: Culvert Only

MNS-M.I.010MNS-M.I.010

Page 1 of 1



10/10/2023

M-4.00

FDT-B

9/10/2023

Bulk Density of Specified Sand, gm/cm³

1,490

316+720

54

57

57

2R

20

30

20

20

20

12

50

Not Comply

KK (أ.د/ خالد قنديل)
 مدير المشروع
 مستشار إنج: **محمد**
 مشروع: **التطوير**
 القطاع: **السياحة (الإسكندرية)**



الهيئة العامة للطرق
والمواصلات

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

1/12/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-2.50
Description :	MNS-F.L.-055&REQ F.L 092	Layer Thickness:	FDT-44
Station Represented :	(316+790) (316+790)	Sample Date :	29/11/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.101	8.3	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1							
Stations	316+790							
Wt. of Sand before Test, gm	9504							
Wt. of Sand After Test, gm	5942							
Wt. of Sand in Cone + hole, gm	3862							
Wt. of Sand in Cone	1428							
Wt. of Sand at hole, gm	2434							
Volume of the Hole, cm ³	1634							
Wt. of Soil from Hole, gm	3527							
Bulk Density of Soil, gm/cm ³	2.159							
Moisture Content, %	6.3							
Dry Density, gm/cm ³	2.031							
Compaction, (%)	96.7%							

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.:-

Consultant Eng.:-

الاستشاري الهندسي
(أ.د. خالد قنديل)
مدير المشروع: م/ هشام محمد صبري
مشروع: القطار الكهربائي السريع
القنصل الرابع (الإسكندرية)



الهيئة العامة للإعطاء

Electrical Express train from Wadi El Natroun To Borg Elarab

Activity : Earth Work

Lab Testing Results

Date

29/11/2023

Density and Unit Weight of Soil in Place by the Sand-Cone Method – ASTM D 1556

Company:	MANSOUR ALI HASSAN	Layer NO:	M-0.75
Description :	MNS-F.L-053&REQ F.L 090	Layer Thickness:	FDT-42
Station Represented :	(316+560) (316+720)	Sample Date :	28/11/2023

Modified Proctor Testing Results

Max. Dry Density, gm/cm ³	Optimum Moisture Content, %	Degree of Compaction Required, %	Bulk Density of Specified Sand, gm/cm ³
2.131	9.5	95%	1.490

Compaction Testing Results & Calculations

Hole No.	1	2	3	4	5	6	7	
Stations	316+570	316+595	316+620	316+645	316+670	316+695	316+720	
Wt. of Sand before Test, gm	9037	9659	9375	9159	9064	8974	8714	
Wt. of Sand After Test, gm	6084	5991	5879	5243	5436	5368	4867	
Wt. of Sand in Cone + hole, gm	3783	3767	3496	3916	3628	3606	3847	
Wt. of Sand in Cone	1428	1454	1428	1454	1428	1454	1428	
Wt. of Sand at hole, gm	2355	2313	2068	2462	2200	2152	2419	
Volume of the Hole, cm ³	1591	1552	1388	1652	1477	1444	1623	
Wt. of Soil from Hole, gm	3468	3394	3037	3616	3358	3169	3548	
Bulk Density of Soil, gm/cm ³	2.194	2.186	2.188	2.207	2.207	2.194	2.185	
Moisture Content, %	6.0	6.3	6.1	3	6.5	5.3	8.2	
Dry Density, gm/cm ³	2.070	2.057	2.062	2.062	2.072	2.064	2.058	
Compaction, (%)	97.1%	96.5%	96.8%	97.7%	97.2%	96.9%	96.6%	

Acceptance Criteria

Comply

Not Comply

CONSULTANT COMMENTS

Lab Contractor Eng.:

Consultant Eng.:-

المكتب الاستشاري الهندسي
(أ.د/ خالد قنديل)
مدير المشروع: م/ منام محمد صبري
مشروع: القطار الكهربائي السريع
القطاع السابع (الإسكندرية)

MATERIAL INSPECTION REQUEST



الهيئة العامة
للتنظيم والبناء
(HSE)



الهيئة العامة
للتنظيم والبناء
(HSE)

Contractor Company	Mansour All Hassan		Designer Company	(KK) Engineering Consulting Office																	
Issued by Contractor	Name	Sign	Date/ Serial Number	Time																	
	Eng. Mahmoud Ayoub	Mohamed Shehry	28-11-2023 MNS-M.I.048	10:00 AM																	
Received by ER	Eng. Gaber Ibrahim	MIR	<table border="1"> <tr> <td>CC</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>316</td> <td>EW</td> <td>C5</td> <td>28</td> <td>11</td> <td>2023</td> <td>10</td> <td>00</td> </tr> </table>			CC	C2	C3	DD	MM	YY	HH	MM	316	EW	C5	28	11	2023	10	00
			CC	C2	C3	DD	MM	YY	HH	MM											
316	EW	C5	28	11	2023	10	00														

CODE - 1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE - 2	Work Activity		
CODE - 3	Sub Element of Activity		

Description of Materials	Fill Layer.				
Location to be Used	From St. (316+560) to St. (316+720) (-0.75 m from ferma).				
MAR Approval No	(MNS-M.A020).	Date	5/11/2023		
Supplier Name	El Sewy - EL Hadi				
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP		
Reference Photos	No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER	7	28/11/2023	
2					
3					
4					
Comments by: Eng. Hesham Sabry (kk)			Comments by: Eng. Gaber Ibrahim		
1. تم استلام القطاع SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة.			1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed shehry	29/11/2023	A
QA/QC *	Eng. Hesham Sabry		29/11/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim			AWC

* Designer

** Alignment / Bridges: Culvert Only

29-11-2023

MATERIAL INSPECTION REQUEST



الهيئة العامة للإسكان
General Housing Authority

الهيئة العامة للإسكان
General Housing Authority

Contractor Company	Mansour Ali Hassan			Designer Company	(KK) Engineering Consulting Office				
Issued by Contractor	Name	Sign	Date/ Serial Number	Time					
	Eng. Mahmoud Ayoub	Mohamed Shihab	25-11-2023 MNS-M.I.045	10:00 AM					
Received by ER	Eng. Gaber Ibrahim	MIR	C2	C3	DD	MM	YY	HH	MM
			316	EW	CS	25	11	2023	10

CODE-1	S1 to S21 Station Reference	D1 to S3 Depot Reference	Kp XXX Note For Kilometer point only Start Km is used
CODE-2	Work Activity		
CODE-3	Sub Element of Activity		

Description of Materials	Fill Layer.		
Location to be Used	From St. (316+560) to St. (316+720) (-1.00 m from ferma).		
MAR Approval No	(MNS-M.A020).	Date	5/11/2023
Supplier Name	El Sewy – EL Hadi		
Test Requirement	F.D.T(ASTM D 1556)	Specification	EARTHWORK SPECIFICATIONS & TESTING REPORT (CG21-41.2) VERSION 2 BY CIVECON GROUP
Reference Photos	No	Other	

Item	Description	Unit	Quantity	Arrival Date	Note
1	Sand Cone Test.	NUMBER		25/11/2023	
2					
3					
4					

Comments by: Eng. Hesham Sabry (kk)	Comments by: Eng. Gaber Ibrahim
1. تم استلام القطاع .SAND CONE 2. تم تحقيق نسبة الدمك المطلوبة .	1- F.D.T was carried- out by material engineer for both contractor and GARB Consultant. 2- Results report attached and acceptable with project specifications. 3- Final approval is subject to above-mentioned comments.

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Eng. Mahmoud Ayoub	Mohamed Shihab	26/11/2023	A
QA/QC *	Eng. Hesham Sabry		26/11/2023	A
GARB**	Eng. Ahmed Galal			
Employers Representative	Eng. Gaber Ibrahim		26/11/2023	A.W.C

* Designer

** Alignment / Bridges: Culvert Only