

MATERIAL INSPECTION REQUEST



Contractor Company	KNOOZ SINA COMPANY		Designer Company													
Issued by Contractor	Name	Sign	Date	Time												
	Eng. Ahmed Abdallah	<i>Ahmed</i>	16-12-2022													
Contractor reference	KS2 - (01) - 16-12-2022															
Received by ER	<i>AZ</i>	<i>[Signature]</i>	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>KP509</td> <td>EW</td> <td>CS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	KP509	EW	CS		
C1	C2	C3	DD	MM	YY	HH	MM									
KP509	EW	CS														

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 MATERIAL RESULTS				
Location to be Used	From	To			
	509+580	509+600 (-10.5)			
	509+600	509+700 (-10.0)			
MAR Approval No				Date	
Supplier Name					
Test Requirement	Specification		Clause		
Reference Photos	Yes attached / No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sieve analysis	m ³	3000	13-12-2022	
2	Classification	m ³	3000	13-12-2022	
3	Proctor & O.m.c	m ³	3000	14-12-2022	
4	L.L & P.L & PI	m ³	3000	14-12-2022	
5	C.B.R	m ³	3000	16-12-2022	
Comments by:			Comments by:		
A sample has been taken from fill material by K.K office to (AlNuby laboratory) and the results founded meet the specifications and accepted.			<i>Test results for estimated quantities of about (5000m³)</i>		
APPROVAL STATUS					
Organisation	Name	Sign	Date	A-AWC-R	
Contractor	<i>Ahmed Abdallah</i>	<i>Ahmed</i>	<i>16-12-2022</i>		
QA/QC *	<i>Abdallah SAMY</i>	<i>[Signature]</i>	<i>16-12-2022</i>		
GARB**	<i>Hussien Fouad</i>	<i>[Signature]</i>	<i>16/12/2022</i>		
Comments by					
Employers Representative	<i>AZ</i>	<i>[Signature]</i>	<i>16/12/2022</i>	<i>A</i>	

* Designer

** Alignment / Bridges: Culvert Only

Location Name	Contractor Company			Designer Company							
Electric express train	KNOOZ SINA COMPANY			k.k							
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah	<i>Ameb</i>	16-12-2022								
Contractor Reference	KS2 - (01) - 16-12-2022										
Received by ER	<i>A.I</i>	<i>[Signature]</i>	MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS					

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials		Soil (A-1-a)		
Location of stock		K.p (509+580)		
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	12.2 %	
4	ASTM D 4318	Atterberg limit	N.P	
5	ASTM D 2974	Moisture content	6.2 %	
6	ASTM D 1557	Modified proctor	2.16	
7	ASTM D 1883	CBR	57.3 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah	<i>Ameb</i>	16-12-2022	
Contractor QA/QC *	Abdallah S.M.Y	<i>[Signature]</i>	16-12-2022	
GARB**	Hussien Fouad	<i>[Signature]</i>	16-12-2022	
Employers Representative	A.I	<i>[Signature]</i>	16/12/22	A

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSА MATROUH
 From Station 504+000 To Station 568+177



Operating Lab: **AL Nuby Central Lab**

PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE:	13/12/2022	Code	Station	509+580	510+000
LOCATION	K.P (509+580)	KS2 (1)	quantity	3000 m3	
NAME COMPANY	Knouz Sina 2				

-visual inspection test

-Gradient test

-gradation of bulk materials				SAMPLE WEIGHT [g]		30387.00		gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify
0.00	2755.0	2815.0	2969.0	2418.0	1877.0	1825.0	1745.0		A-1-a
Cumulative Retained (g)	2755.0	5570.0	8539.0	10957.0	12834.0	14659.0	16404.0	PRO	2.16
Cumulative Retained %	9.1	18.3	28.1	36.1	42.2	48.2	54.0	WC	6.20
Cumulative Passing %	90.9	81.7	71.9	63.9	57.8	51.8	46.0	CBR	57.30

-soft material gradation				WT.OF sample		500.00		gm
sieve size	10	40	200					
Cumulative Retained (g)	42.10	179.70	367.50					
Cumulative Retained %	8.42	35.94	73.50					
Cumulative Passing %	91.58	64.06	26.50					

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	90.9	81.7	71.9	63.9	57.8	51.8	46.0	42.1	29.5	12.2

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
		N.L	N.P

Contractor

Consultant



Mohamed



	Electric Express Train - HSR From El Ain El Sokhna City To El Alamein - MATROUH Section - 7 From FOKA TO MARSA MATROUH From Station 504+000 To Station 568+177	
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PROCTOR TEST

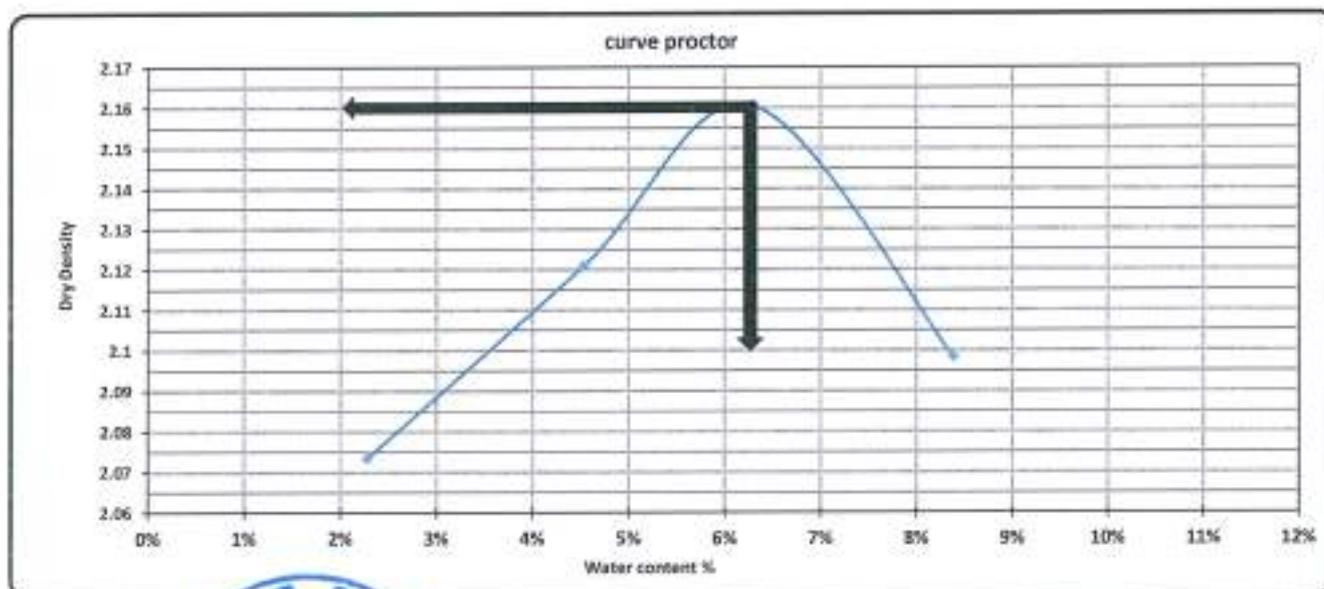
TESTING DATE:	14-12-2022	Code	Station	509+580	510+000
LOCATION	K.P (509+580)	KS2 (1)	quantity	3000 m3	
NAME COMPANY	Knooz Sina 2				

Weight of empty mold :	5764.0
Mold Volume:	2169.0

MAX Dry Density	2.16
Water content %	6.3

trial no :	1	2	3	4	
Wt. Of Mold+ wet soil	10364.0	10573.0	10745.0	10697	
WT. WET SOIL	4608.0	4809.0	4981.0	4933.0	
Wt. Density	2.121	2.217	2.296	2.274	

Tare No.	16	26	7	73	45	10	18	33		
Tare wt.	33.9	55	42.8	42.9	41.5	43.7	77.7	73.6		
Wt. Of wet soil & tare	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0		
Wt. Of dry soil & tare	147.5	147.8	145.0	145.7	143.7	143.6	144.3	144.2		
Wt. Of water	2.5	2.2	5.0	4.3	6.3	6.4	5.7	5.8		
Wt. Of dry soil	113.6	92.8	102.2	102.8	102.2	99.9	66.6	70.6		
Water content %	2.2%	2.4%	4.9%	4.2%	6.2%	6.4%	8.6%	8.2%		
AV. Water content %	2.3%		4.5%		6.3%		8.4%			
Dry Density	2.073		2.121		2.161		2.098			



Contractor


Consultant




Electric Express Train - HSR



California Bearing Ratio TEST

Testing Date :	16-12-2022	Code	FROM STA :	509+580	510+000
Location :	K.P (509+580)	KS2 (1)			
Company Name	Knouz Sina 2				

- : Test Results

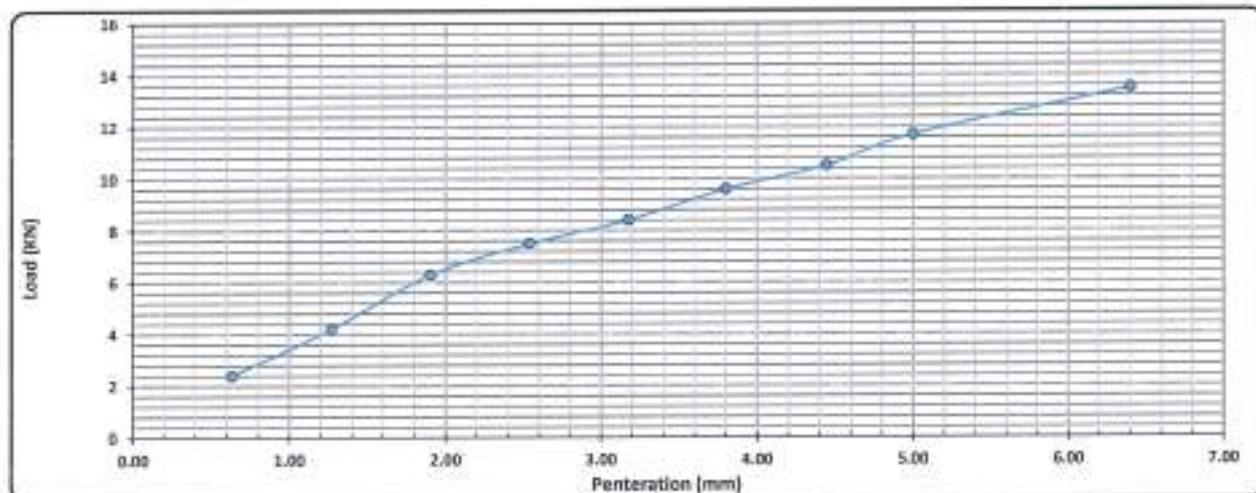
Mold No.	6
Mold Vol. (cm ³)	2122
Mold WT. (gm)	4675
Mold WT. + Wet WT. (gm)	10940
Wet WT. (gm)	4865
Wet Density (g/cm ³)	2.293
Dry Density (g/cm ³)	2.159
Proctor Density (g/cm ³)	2.160
Compaction %	100.0

Tare No.	73
Tare WT. (gm)	31.3
Tare WT. +Wet WT. (gm)	158
Tare WT. +Dry WT. (gm)	143.2
Water WT. (gm)	4.8
Dry WT. (gm)	189.9
Moisture Content %	6.2

Mold No.	6
Date	16-12-2022
Initial Height (mm)	4.00
Final Height (mm)	4.00
Difference	0
Sample Height (mm)	12.00
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (mm)	0.08	0.14	0.21	0.25	0.28	0.32	0.35	0.39	0.45
Load (KN)	2.4	4.2	6.3	7.5	8.4	9.6	10.5	11.7	13.5



Calculations :-

Penetration (mm)	Load (Kpa)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR %
2.50	7.50	13.4	56.2%	100	98	98.0%
5.00	11.70	20.0	58.4%			98.0%

Lab. Specialist

Name :

Sign :



Lab. Engineer

Name :

Sign :



Consultant Engineer

Name :

Sign :

Abdoshah



MATERIAL INSPECTION REQUEST



Contractor Company	KNOOZ SINA COMPANY شركة كنفور		Designer Company														
Issued by Contractor	Name	Sign	Date	Time													
	Eng. Ahmed Abdallah	<i>Ahmed Abdallah</i>	24-12-2022														
Contractor reference	KS2 - (02)																
Received by ER	<i>AZ</i>	<i>[Signature]</i>	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>KP509</td> <td>EW</td> <td>CS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	KP509	EW	CS			
C1	C2	C3	DD	MM	YY	HH	MM										
KP509	EW	CS															

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 MATERIAL RESULTS				
Location to be Used		From	To			
		509+700	509+740	{-9.50}		
		509+600	509+700	{-10.0}		
		509+580	509+600	{-10.0}		
		509+600	509+700	{-9.50}		
		509+700	509+760	{-9.00}		
MAR Approval No				Date		
Supplier Name						
Test Requirement		Specification		Clause		
Reference Photos	Yes attached / No	Other				
Item	Description	Unit	Quantity	Arrival Date	Note	
1	Sieve analysis	m ³	5000	21-12-2022		
2	Classification	m ³	5000	21-12-2022		
3	Proctor & O.m.c	m ³	5000	22-12-2022		
4	L.L & P.L & PI	m ³	5000	22-12-2022		
5	C.B.R	m ³	5000	24-12-2022		
Comments by:			Comments by:			
A sample has been taken from fill material by K.K office to (Gomaa Badr laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .			
APPROVAL STATUS						
Organisation	Name	Sign	Date	A-AWC-R		
Contractor	Ahmed Abdallah	<i>Ahmed</i>	24-12-2022			
QA/QC *	<i>mohamed dsaid</i>	<i>m-dsaid</i>	24-12-2022	K.K.		
GARB**	Hussien Fouad	<i>Hussien Fouad</i>	24-12-2022			
Employers Representative	<i>AZ</i>	<i>[Signature]</i>	24/12/22	A		

* Designer

** Alignment / Bridges: Culvert Only

MATERIAL APPROVAL REQUEST



Location Name	Contractor Company		Designer Company								
Electric express train	KNOOZ SINA COMPANY		k.k								
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah		24-12-2022								
Contractor Reference	KS2 - (02)										
Received by ER	A I		MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS					

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials	Soil (A-1-a)			
Location of stock	K.p (509+580)			
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	10.3 %	
4	ASTM D 4318	Atterberg limit	4.8	
5	ASTM D 2974	Moisture content	6.8 %	
6	ASTM D 1557	Modified proctor	2.15	
7	ASTM D 1883	CBR	63 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah		24-12-2022	
Contractor QA/QC *	mohamed elsaid		24-12-2022	
GARB**	Hussien Fouad		24-12-2022	
Employers Representative	A I		24/12/22	

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSA MATROUH
 From Station 504+000 To Station 568+177



PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE	21/12/2022	code	ZONE	509+580	510+000
Location	K.P 509+580	KS2-002			
TESTING COMPANY	knouz sina 2	operate by	GOMAA BADR LAB		

-Gradient test

-gradation of bulk materials				SAMPLE WEIGHT [g]		21000.00		gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify
Mass retained (g)	0.0	3260.0	4066.0	2235.0	1912.0	1176.0	1385.0		A-1-a
Cumulative Retained (g)	0.0	3260.0	7346.0	9581.0	11493.0	12669.0	14054.0	PRO	2.153
Cumulative Retained %	0.0	15.5	23.0	32.0	54.7	60.3	66.9	WC	6.80
Cumulative Passing %	100.0	84.5	77.0	68.0	45.3	39.7	33.1	CBR	63%

-soft material gradation				WT.OF sample		500.00		gm
sieve size	10	40	200					
Cumulative Retained (g)	44.64	210.38	343.89					
Cumulative Retained %	8.93	42.08	68.78					
Cumulative Passing %	91.07	57.92	31.22					

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	100.0	84.5	77.0	68.0	45.3	39.7	33.1	30.1	19.2	10.3

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
	24.2%	19.5%	4.8%

Contractor

[Handwritten Signature]

**المعمل المركزي
شركة جمعه بدر نوح**

**شركة كنوز
سيناء
للتقانات العامة
والتوريدات**

Consultant

[Handwritten Signature]

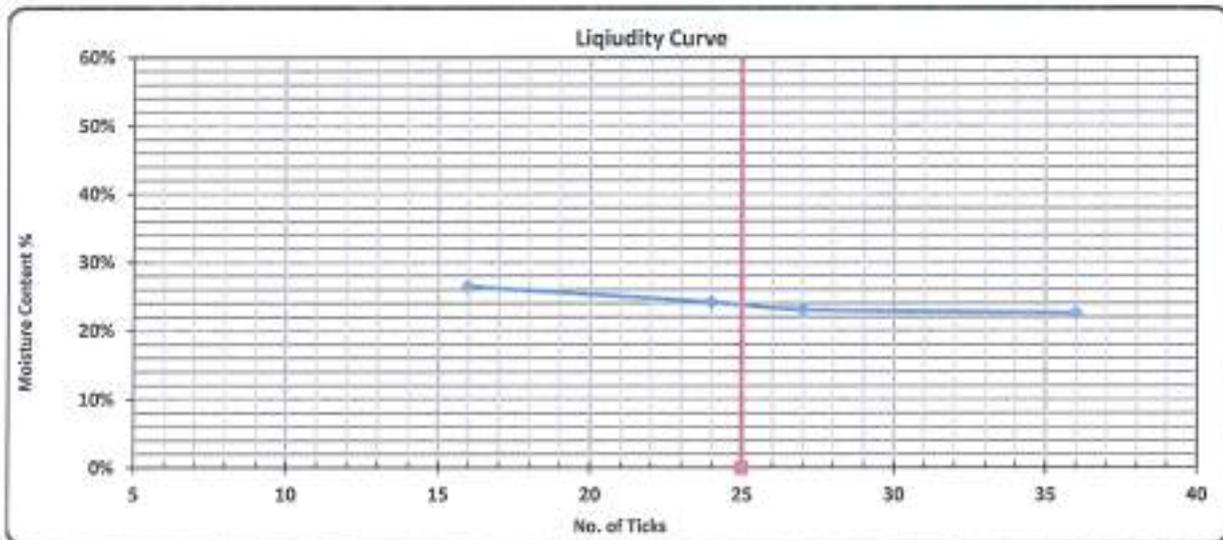
**مهندسة
K&K
أ.م. خالد السيد**

Plasticity and Liquidity Test -Atterberg Limits

TESTING DATE	22/12/2022	code	ZONE	509+580	510+00
location	K.P 509+580	KS2-002			
NAME COMPANY	knooz sina 2				

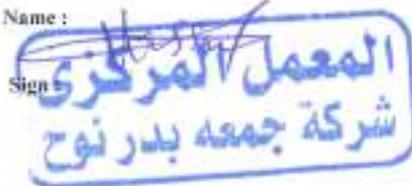
Testing Results :-

Test	Liquid Limit				Plastic Limit	
	36	27	24	16	-	-
No. of Ticks	36	27	24	16	-	-
Tare No.		7	30	15	F	B
Tare WT. (gm)	25.51	27.19	25.82	27.92	11.02	13.36
Tare WT. + Wet WT. (gm)	68.93	69.29	62.80	64.70	12.12	14.47
Tare WT. + Dry WT. (gm)	60.93	61.38	55.60	57.00	11.94	14.29
Water WT. (gm)	60.93	7.91	7.20	7.70	0.18	0.18
Dry WT. (gm)	23.00	32.00	29.78	29.08	0.92	0.93
Moisture Content %	22.6%	23.1%	24.2%	26.5%	19.6%	19.4%
Average %					19.5%	



Lab. Specialist	Lab. Engineer	Consultant Engineer
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Name :

Sign : 

Name :

Sign : 

Name :

Sign : 



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamain - MATROUH
 Section - 7 From FOKA TO MARSА MATROUH
 From Station 504+000 To Station 568+177



PROCTOR TEST

TESTING DATE	22/12/2022	code	ZONE	509+580	510+000
location	K.P 509+580	KS2-002			
NAME COMPANY	knooz sina 2				

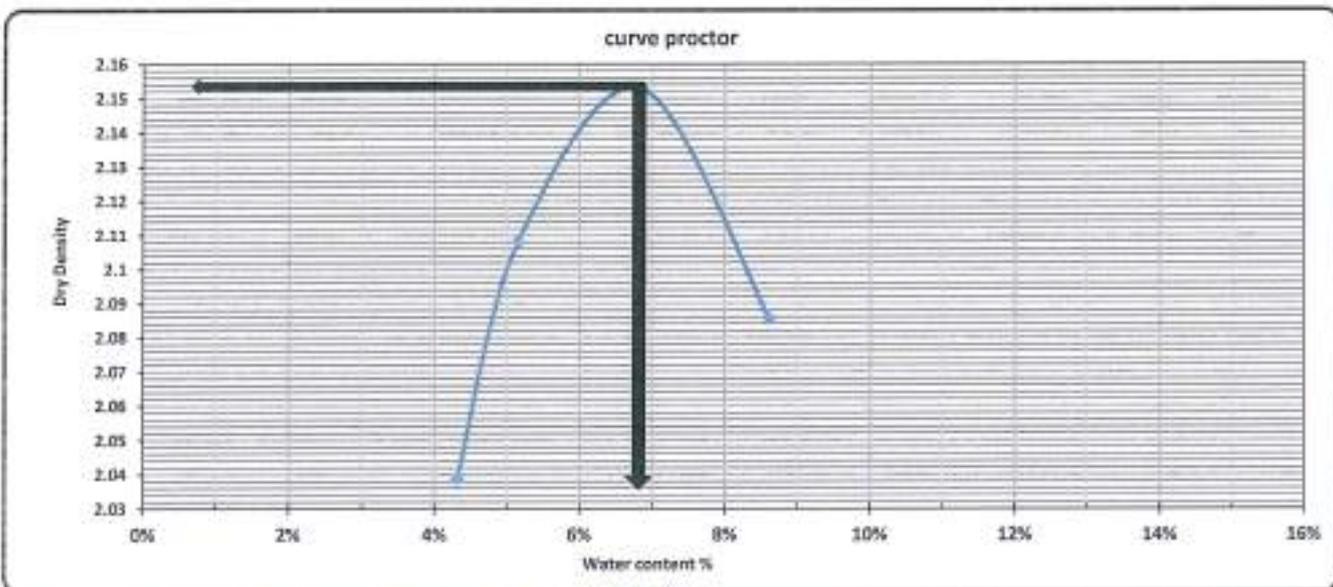
Weight of empty mold :	6210.0
Mold Volume:	2104.9

MAX Dry Density	2.153
Water content %	6.8

trial no :	1	2	3	4	5
Wt. Of Mold+ wet soil	10687.0	10876.0	11052.0	10978	
WT. WET SOIL	4477.0	4666.0	4842.0	4768.0	
Wt. Density	2.127	2.217	2.300	2.265	

0.000

Tare No.	3	23	32	5	23	23	7	7	
Tare wt.	24.97	77	68	27.16	25.49	25.49	26.23	26.23	63%
Wt. Of wet soil & tare	132.48	132.48	138.79	138.79	130.58	130.58	134.79	134.79	
Wt. Of dry soil & tare	129.46	129.46	133.76	133.76	123.90	123.80	126.65	126.65	
Wt. Of water	3.0	3.0	4.0	4.5	6.7	6.8	9.0	8.3	
Wt. Of dry soil	104.5	52.5	65.8	106.6	98.4	98.3	109.4	100.4	
Water content %	2.9%	5.8%	6.1%	4.2%	6.8%	6.9%	9.0%	8.3%	
AV. Water content %	4.3%		5.2%		6.8%		8.6%		
Dry Density	2.039		2.108		2.153		2.086		



المعمل المركزي
 شركة جمعه بلدي
 Contractor

شركة كنوز
 سينا
 للمقاولات العامة
 والتوريدات

Consultant

Handwritten signature and stamp of the consultant.



Electric Express Train - HSR



California Bearing Ratio TEST

TESTING DATE	24/12/2022	0026	ZONE	509+500	510+000
Location	K.P 509+530	K52-002			
NAME COMPANY	knouz sira 2				

:- Test Results

Mold No.	1
Mold Vol. (cm ³)	2177.5
Mold WT. (gm)	16444
Mold WT. + Wet WT. (gm)	25416
Wet WT. (gm)	4972
Wet Density (g/cm ³)	2.283
Dry Density (g/cm ³)	2.147
Proctor Density (g/cm ³)	2.153
Compaction %	100

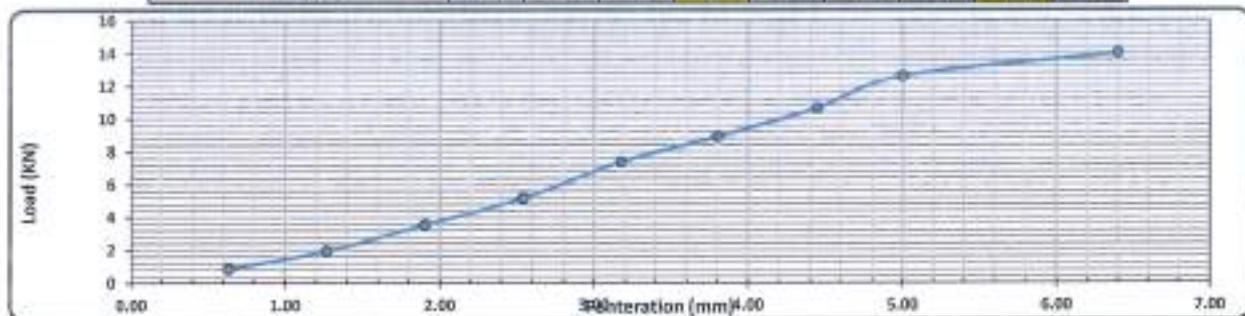
32,000
48

Tare No.	10
Tare WT. (gm)	24.68
Tare WT. +Wet WT. (gm)	158.21
Tare WT. +Dry WT. (gm)	150.2
Water WT. (gm)	8.0
Dry WT. (gm)	126.1
Moisture Content %	6.4

Mold No.	1
Date	24/12/2022
Initial Height (mm)	3.20
Final Height (mm)	3.20
Difference	0
Sample Height (mm)	126.00
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.54	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (kg)	80.00	200.00	363.00	526.00	713.00	910.00	1087.00	1287.00	1428.00
Load (KN)	0.9	2.0	3.6	5.2	7.4	8.9	10.7	13.6	14.0



Calculations :-

Penetration (mm)	Load (Ks)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR % 100 نسبة
2.50	5.15	13.4	38.6%			38.6%
5.00	12.61	28.0	63.0%	100	100	63.0%

Lab. Specialist

Lab. Engineer

Consultant Engineer

Name :
Sign : *Hassan*

Name :
Sign :

Name :
Sign : *Abdullah*

المعمل المركزي
شركة جمعه بدر نوح

شركة كنوز
سيناء
للمقاولات العامة
والتوريدات

المكتب
المستشار الهندسي
ا.ع. خالد السيد

MATERIAL INSPECTION REQUEST



Contractor Company	KNOOZ SINA COMPANY شركة كنوز سيناء		Designer Company	
Issued by Contractor	Name	Sign	Date	Time
	Eng. Ahmed Abdallah		24-12-2022	
Contractor reference	KS2 - (03)			
Received by ER	A I		MIR	
			<input checked="" type="checkbox"/> KPS09 <input checked="" type="checkbox"/> EW <input checked="" type="checkbox"/> CS <input type="checkbox"/> DD <input type="checkbox"/> MM <input type="checkbox"/> YY <input type="checkbox"/> HH <input type="checkbox"/> 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 MATERIAL RESULTS				
Location to be Used	From	To			
	509+600	509+700 (-9.00)			
	509+700	509+760 (-9.00)			
	509+700	509+780 (-8.50)			
MAR Approval No			Date		
Supplier Name					
Test Requirement		Specification	Clause		
Reference Photos	Yes attached / No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sieve analysis	m ³	5000	21-12-2022	
2	Classification	m ³	5000	21-12-2022	
3	Proctor & O.m.c	m ³	5000	22-12-2022	
4	L.L & P.L & PI	m ³	5000	22-12-2022	
5	C.B.R	m ³	5000	24-12-2022	
Comments by:			Comments by:		
A sample has been taken from fill material by K.K office to (Gomaa Badr laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .		
APPROVAL STATUS					
Organisation	Name	Sign	Date	A-AWC-R	
Contractor	Ahmed Abdallah		24-12-2022		
QA/QC *	mohamed elsaid		24-12-2022		
GARB**	Hussien Fouad		24-12-2022		
Employers Representative	A I		24/12/22		

* Designer

** Alignment / Bridges: Culvert Only

MATERIAL APPROVAL REQUEST



Location Name	Contractor Company		Designer Company								
Electric express train	KNOOZ SINA COMPANY		k.k								
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah		24-12-2022								
Contractor Reference	KS2 (03)										
Received by ER	A I		MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS					

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials	Soil (A-1-a)			
Location of stock	K.p (509+580)			
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	8.9 %	
4	ASTM D 4318	Atterberg limit	N.P	
5	ASTM D 2974	Moisture content	6.5 %	
6	ASTM D 1557	Modified proctor	2.16	
7	ASTM D 1883	CBR	60 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah		24-12-2022	
Contractor QA/QC *	mohamed elsaid		24-12-2022	
GARB**	Hussien Fouad		24-12-2022	
Employers Representative	A-I		24/12/22	A

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSAA MATROUH
 From Station 504+000 To Station 568+177



PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE	21/12/2022	code	ZONE	509+580	510+000
Location	K.P 509+580	KS2-003			
TESTING COMPANY	knouz sina 2	operate by	GOMAA BADR LAB		

Gradient test

-gradation of bulk materials				SAMPLE WEIGHT (g)		20000.00		gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify
Mass retained (g)	355.0	1685.0	2053.0	2284.0	2718.0	1432.0	1622.0		A-1-a
Cumulative Retained (g)	355.0	2040.0	4093.0	6377.0	9095.0	10527.0	12149.0	PRO	2.16
Cumulative Retained %	1.8	10.2	20.5	31.9	45.5	52.6	60.7	WC	6.50
Cumulative Passing %	98.2	89.8	79.5	68.1	54.5	47.4	39.3	CBR	60%

-soft material gradation			WT.OF sample		500.00	gm
sieve size	10	40	200			
Cumulative Retained (g)	26.93	227.14	386.16			
Cumulative Retained %	5.39	45.43	77.23			
Cumulative Passing %	94.61	54.57	22.77			

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	98.2	89.8	79.5	68.1	54.5	47.4	39.3	37.1	21.4	8.9

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
	N.P	N.P	N.P

Contractor

(Handwritten Signature)
المعمل المركزي
شركة جمعه بدر نوح

شركة كنوز
سيناء
للمقاولات العامة
والتوريدات

Consultant

(Handwritten Signature)

المكتب
المستشار الهندسي
أ.م. خالد السيد



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA TO MARSА MATROUH
 From Station 504+000 To Station 568+177



PROCTOR TEST

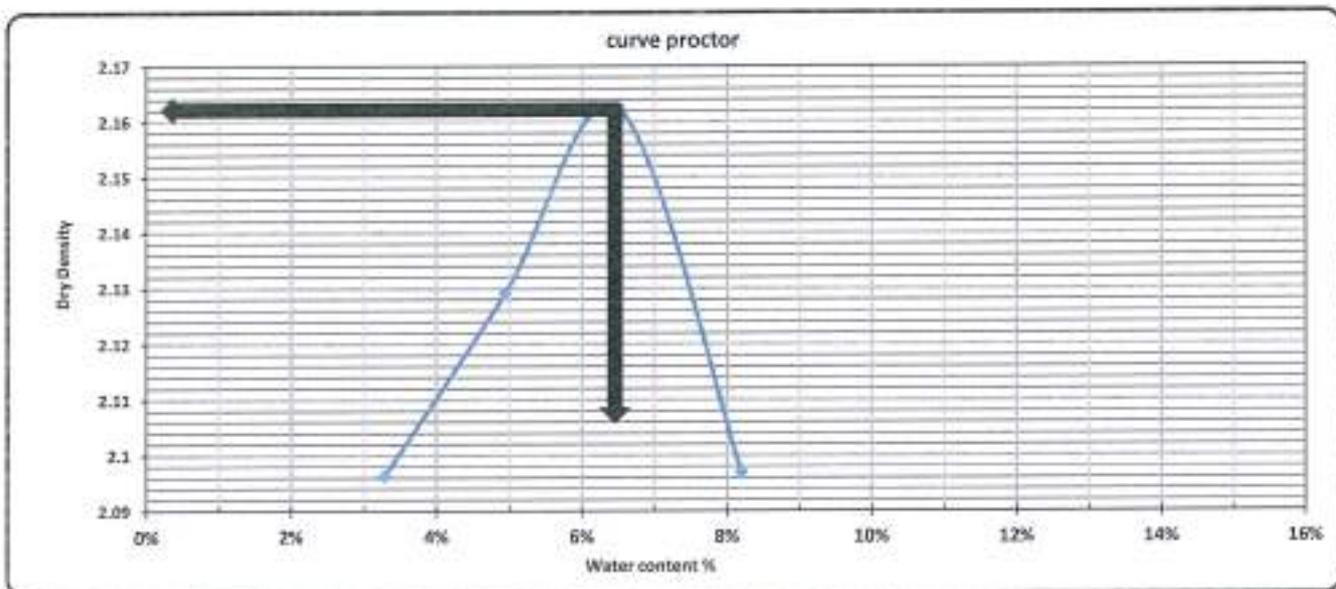
TESTING DATE	22/12/2022	code	ZONE	509+580	510+000
location	k.p 509+580	KS2-003			
NAME COMPANY	knouz sina 2				

Weight of empty mold :	6210.0
Mold Volume:	2104.9

MAX Dry Density	2.162
Water content %	6.5

trial no :	1	2	3	4	5
Wt. Of Mold+ wet soil	10768.0	10913.0	11058.0	10986	
WT. WET SOIL	4558.0	4703.0	4848.0	4776.0	
Wt. Density	2.165	2.234	2.303	2.309	

Tare No.	2	2	10	10	16	16	23	23		
Tare wt.	26.15	26.15	27.15	27.15	25.09	25.09	24.76	24.76		
Wt. Of wet soil & tare	135.40	135.40	137.13	137.13	134.70	134.70	149.45	149.45		
Wt. Of dry soil & tare	132.40	132.40	131.00	132.00	128.00	128.00	148.00	140.00		
Wt. Of water	4.0	3.0	6.1	5.1	6.7	6.7	9.4	9.4		
Wt. Of dry soil	106.3	106.3	105.9	104.9	102.9	102.9	115.2	115.2		
Water content %	3.8%	2.8%	5.0%	4.9%	6.5%	6.5%	8.2%	8.2%		
AV. Water content %	3.3%		4.9%		6.5%		8.2%			
Dry Density	2.096		2.129		2.162		2.097			



المعمل كينوز
 شركة جمعة بدير لوج
 Contractor

شركة كنوز
 سينا
 للتقانات العامة
 والتوريدات
 Consultant

Consultant
(Signature)





Electric Express Train - HSR



California Bearing Ratio TEST

TESTING DATE	24/12/2022	code			
location	K.P 509+580	KS2-063	ZONE	509+580	510+000
NAME COMPANY	knouz sira 2				

Test Results

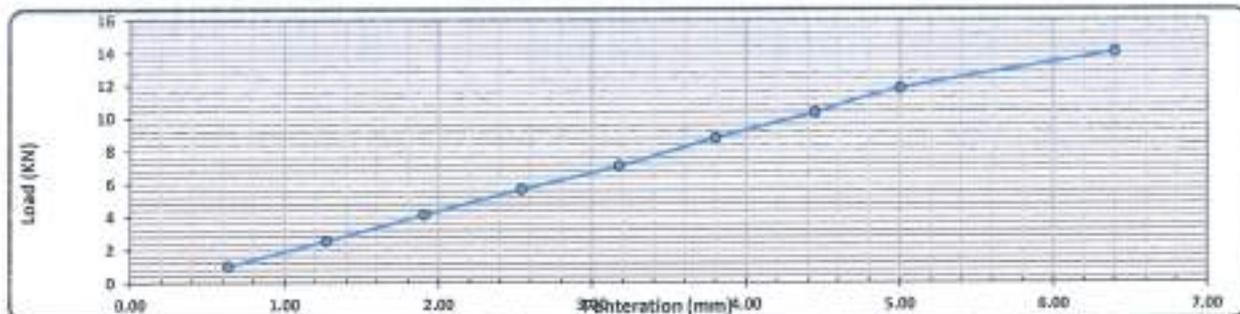
Mold No.	2
Mold Vol. (cm ³)	2177.5
Mold WT. (gm)	16464
Mold WT. + Wet WT. (gm)	21346
Wet WT. (gm)	4902
Wet Density (g/cm ³)	2.251
Dry Density (g/cm ³)	2.122
Proctor Density (g/cm ³)	2.162
Compaction %	98

Tare No.	4
Tare WT. (gm)	24.11
Tare WT. +Wet WT. (gm)	156.45
Tare WT. +Dry WT. (gm)	148.96
Water WT. (gm)	7.6
Dry WT. (gm)	124.8
Moisture Content %	6.1

Mold No.	2
Date	24/12/2022
Initial Height (mm)	3.10
Final Height (mm)	3.10
Difference	0
Sample Height (mm)	120.00
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (kg)	104.00	204.00	432.00	570.00	724.00	857.00	1054.00	1204.00	1431.00
Load (KN)	1.0	2.5	4.1	5.7	7.1	8.8	10.3	11.8	14.0



Calculations :-

Penetration (mm)	Load (KN)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR (% نسبة 100)
2.50	5.67	13.4	42.5%	98	100	63.3%
5.00	11.80	20.0	58.9%			60.0%

Lab. Specialist

Lab. Engineer

Consultant Engineer

Name : *Handwritten signature*

Name :

Name : *Handwritten signature*

المعمل المركزي
شركة جمعه بدر نوح

شركة كنوز
سيرة
للمقاولات العامة
والتوريدات

المشرف الفني
K.K. شركة ك.ك. للمقاولات العامة والتوريدات

MATERIAL INSPECTION REQUEST



Contractor Company	KNOOZ SINA COMPANY		Designer Company													
Issued by Contractor	Name	Sign	Date	Time												
	Eng. Ahmed Abdallah		28-12-2022													
Contractor reference	KS2 (04)															
Received by ER	A.I		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>KPS09</td> <td>EW</td> <td>CS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	KPS09	EW	CS		
C1	C2	C3	DD	MM	YY	HH	MM									
KPS09	EW	CS														

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 MATERIAL RESULTS			
Location to be Used		From	To		
		509+600	509+700	(-8.50)	
		509+700	509+780	(-8.50)	
		509+700	509+800	(-8.00)	
MAR Approval No			Date		
Supplier Name					
Test Requirement			Specification		Clause
Reference Photos		Yes attached / No		Other	
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sieve analysis	m ³	5000	25-12-2022	
2	Classification	m ³	5000	25-12-2022	
3	Proctor & O.m.c	m ³	5000	26-12-2022	
4	L.L & P.L & PI	m ³	5000	26-12-2022	
5	C.B.R	m ³	5000	28-12-2022	
Comments by:			Comments by:		
A sample has been taken from fill material by K.K office to (Gomaa Bdr laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .		
APPROVAL STATUS					
Organisation	Name	Sign	Date	A-AWC-R	
Contractor	Ahmed Abdallah		28-12-2022		
QA/QC *	mohamed elszaid		28-12-2022		
GARB**	Hussien Fouad		28-12-2022		
Employers Representative	A.I		28/12/22	A	

* Designer
 ** Alignment / Bridges: Culvert Only

MATERIAL APPROVAL REQUEST



Location Name	Contractor Company		Designer Company								
Electric express train	KNOOZ SINA COMPANY		k.k								
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah		28-12-2022								
Contractor Reference	KS2 - (04)										
Received by ER			MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS					

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials	Soil (A-2-4)			
Location of stock	K.p (509+580)			
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	14.7 %	
4	ASTM D 4318	Atterberg limit	7.0	
5	ASTM D 2974	Moisture content	6.0 %	
6	ASTM D 1557	Modified proctor	2.13	
7	ASTM D 1883	CBR	55.2 %	
Comments by:			Comments by:	

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah		28-12-2022	
Contractor QA/QC *	mohamed elsaied		28-12-2022	
GARB**	Hussien Fouad		28-12-2022	
Employers Representative	A I		28/12/22	A

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSА MATROUH
 From Station 504+000 To Station 588+177



PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE	25/12/2022	code	ZONE	509+580	510+000
LOCATION	K.P 509+580	KS2-004			
TESTING COMPANY	knouz sina 2				
Visual inspection test	operate by	GOMAA BADR LAB			

Gradient test

-gradation of bulk materials				SAMPLE WEIGHT [g]				22386.00	gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify	
Mass retained (g)	628.0	1579.0	3286.0	1704.0	1945.0	1540.0	1559.0		A-2-4	
Cumulative Retained (g)	628.0	2207.0	5493.0	7197.0	9142.0	10682.0	12241.0	PRO	2.13	
Cumulative Retained %	2.8	9.9	24.5	32.1	40.8	47.7	54.7	WC	6.00	
Cumulative Passing %	97.2	90.1	75.5	69	59.2	52.3	45.3	CBR	55.20	

-soft material gradation				WT.OF sample				500.00	gm
sieve size	10	40	200						
Cumulative Retained (g)	32.95	193.34	337.93						
Cumulative Retained %	6.59	38.67	67.59						
Cumulative Passing %	93.41	61.33	32.41						

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	97.2	90.1	75.5	69	59.2	52.3	45.3	42.3	27.8	14.7

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
	26.3%	19.3%	7.0%

Contractor



Consultant

(Handwritten signature)

(Handwritten signature)
 المعمل المركزي
 شركة جمعه بدر نوح

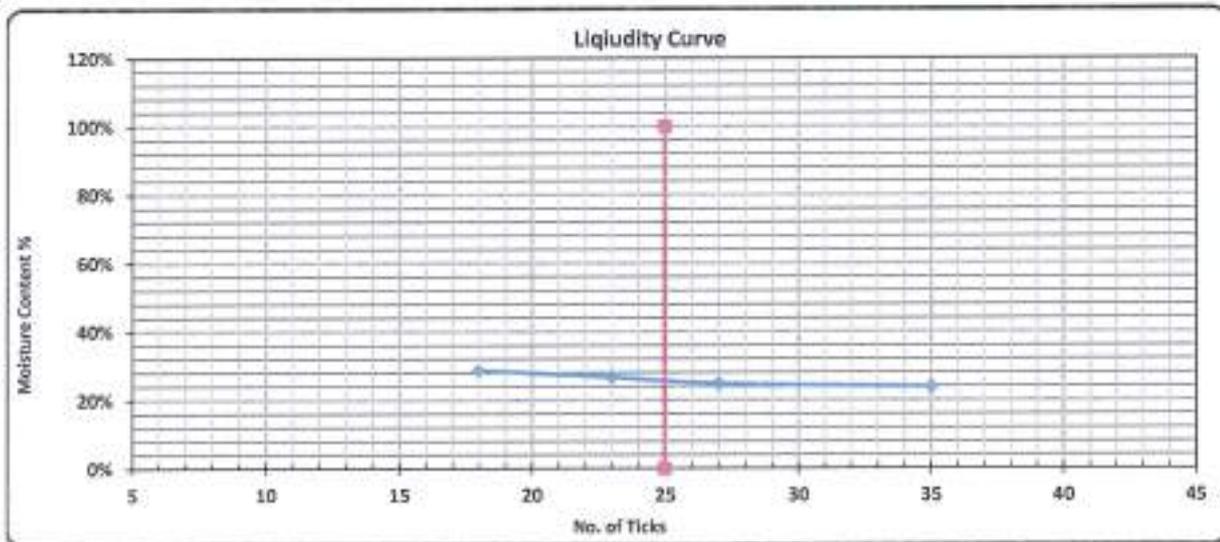


Plasticity and Liquidity Test -Atterberg Limits

TESTING DATE	26/12/2022	code	ZONE	509+580	510+000
location	K.P 509+580	KS2-004			
NAME COMPANY	knouz sina 2				

Testing Results :-

Test	Liquid Limit				Plastic Limit	
	35	27	23	18	-	-
No. of Ticks	35	27	23	18	-	-
Tare No.	3	14	23	45	B	G
Tare WT. (gm)	26.40	22.95	25.24	25.47	12.65	12.60
Tare WT. + Wet WT. (gm)	50.19	48.48	47.34	50.18	13.31	13.30
Tare WT. + Dry WT. (gm)	45.60	43.40	42.68	44.66	13.20	13.19
Water WT. (gm)	4.59	5.08	4.66	5.52	0.11	0.11
Dry WT. (gm)	19.20	20.45	17.44	19.19	0.55	0.59
Moisture Content %	23.9%	24.8%	26.7%	28.8%	20.0%	18.6%
Average %					19.3%	



L.L	P.L	P.I
26.3%	19.3%	7.0%

Lab. Specialist	Lab. Engineer	Consultant Engineer
-----------------	---------------	---------------------

Name : **المعهد المركزي**
 Sign : **شركة جمعه بدرنوح**

Name : **شركة كنوز**
 Sign : **شركة كنوز**

Name : 
 Sign : 



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA TO MARSA MATROUH
 From Station 504+000 To Station 568+177



PROCTOR TEST

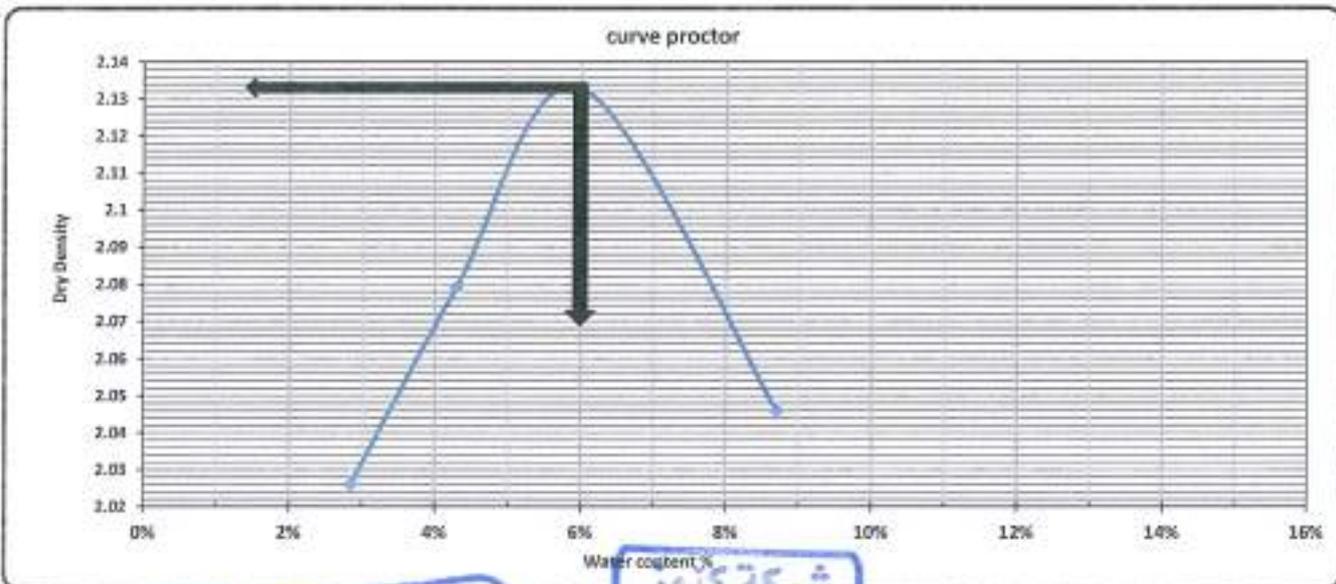
TESTING DATE	26/12/2022	code	ZONE	509+580	510+000
location	K.P 509+580	K52-004			
NAME COMPANY	knouz sina 2				

Weight of empty mold :	6428.0
Mold Volume:	2104.9

MAX Dry Density	2.133
Water content %	6

trial no :	1	2	3	4	5
Wt. Of Mold+ wet soil	10813.0	10990.0	11186.0	11109	
WT. WET SOIL	4385.0	4562.0	4758.0	4681.0	
Wt. Density	2.083	2.167	2.260	2.274	

Tare No.	2	2	10	10	16	16	23	25		
Tare wt.	26.25	26.25	27.18	27.18	23.81	23.81	26.52	24.76		
Wt. Of wet soil & tare	146.30	146.30	148.20	148.20	142.70	142.70	132.20	132.20		
Wt. Of dry soil & tare	142.97	142.97	135.60	135.60	136.00	136.00	123.73	123.62		
Wt. Of water	3.3	3.3	4.6	4.6	6.7	6.7	8.5	8.5		
Wt. Of dry soil	116.7	116.7	108.4	108.4	112.2	112.2	97.2	97.2		
Water content %	2.9%	2.9%	4.3%	4.3%	6.0%	6.0%	8.7%	8.7%		
AV. Water content %	2.9%		4.3%		6.0%		8.7%			
Dry Density	2.020		2.079		2.133		2.046			



المعمل المركزي
 Contractor
 شركة جوده للتقنية

شركة كازو
 لبيضاء
 للمقاولات العامة
 والتوريدات

Consultant

المهندس
 الاستشاري المهندس
 ا. م. خالد القديري



Electric Express Train - HSR



California Bearing Ratio TEST

TESTING DATE	28/12/2022	code			
location	K.P 509+580	KS3-004	ZONE	509+580	510+000
NAME COMPANY	knooz sina 2				

Test Results

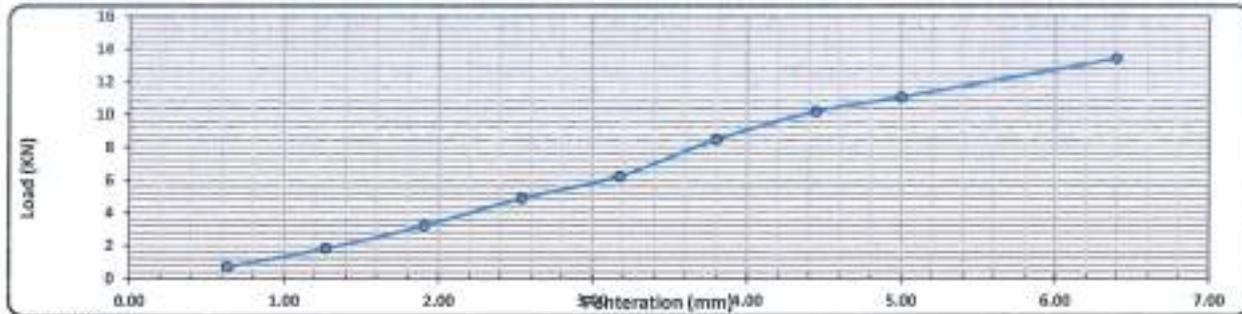
Mold No.	2
Mold Vol. (cm ³)	2177.5
Mold WT. (gm)	38444
Mold WT. + Wet WT. (gm)	33346
Wet WT. (gm)	4892
Wet Density (g/cm ³)	2.237
Dry Density (g/cm ³)	2.131
Proctor Density (g/cm ³)	2.133
Compaction %	99.9

Tare No.	4
Tare WT. (gm)	27.63
Tare WT. + Wet WT. (gm)	148.21
Tare WT. + Dry WT. (gm)	139.56
Water WT. (gm)	5.7
Dry WT. (gm)	131.9
Moisture Content %	5.0

Mold No.	2
Date	28/12/2022
Initial Height (mm)	3.10
Final Height (mm)	3.10
Difference	0
Sample Height (mm)	120.00
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (kg)	75.00	180.00	326.00	497.00	634.00	861.00	1035.00	1228.00	1568.00
Load (KN)	0.7	1.8	3.2	4.9	6.2	8.5	10.2	11.1	13.4



Calculations :-

Penetration (mm)	Load (Kn)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR (% نسبة 100)
2.50	4.87	13.4	36.5%	100	100	36.5%
5.00	11.05	20.0	55.2%	100	100	55.2%

Lab. Specialist

Lab. Engineer

Consultant Engineer

Name: *Hassan*

Name :

Name :

Sign: **المعمل المركزي
شركة جمعه بدار نوح**

Sign :

Sign: **شركة كنوز
سيناء
للمقاولات العامة
والتوريدات**

Sign :

Sign: **المكتب
المستشار الهندسي
ك.ع. خالد القدير**

MATERIAL INSPECTION REQUEST



المملكة
للمواصلات
والتجارة والاقتصاد
(GARB)



مجلس
التخطيط
الاقتصادي
والمالي
مصر
K.K



Contractor Company	KNOOZ SINA COMPANY		Designer Company							
Issued by Contractor	Name	Sign شركة كنوز سينا	Date	Time						
	Eng. Ahmed Abdallah	أحمد عبد الله مستشار التقنيات والقواعد	29-12-2022							
Contractor reference	KS2 (05)									
Received by ER	A I	MIR	C1	C2	C3	DD	MM	YY	HH	MM
			KPS09	EW	CS					

CODE - 1	S1 to S21 Station Reference	D1 to D3 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 MATERIAL RESULTS			
Location to be Used	From	To			
	509+800	509+820	(-7.50)		
	509+700	509+800	(-8.00)		
	509+600	509+700	(-8.00)		
	509+700	509+800	(-7.50)		
MAR Approval No		Date			
Supplier Name					
Test Requirement	Specification	Clause			
Reference Photos	Yes attached / No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sieve analysis	m ³	5000	26-12-2022	
2	Classification	m ³	5000	26-12-2022	
3	Proctor & O.m.c	m ³	5000	27-12-2022	
4	L.L & P.L & PI	m ³	5000	27-12-2022	
5	C.B.R	m ³	5000	29-12-2022	
Comments by:			Comments by:		
A sample has been taken from fill material by K.K office to (Al Nuby laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .		
APPROVAL STATUS					
Organisation	Name	Sign	Date	A-AWC-R	
Contractor	Ahmed Abdallah	Ahmed	29-12-2022		
QA/QC *	mohamed elsaied	m.elsaied	29-12-2022		
GARB**	Hussien Fouad	Hussien Fouad	29-12-2022		
Employers Representative	A I		29/12/22	A	

* Designer

** Alignment / Bridges: Culvert Only

**MATERIALS
APPROVAL
REQUEST**



Location Name	Contractor Company			Designer Company							
Electric express train	KNOOZ SINA COMPANY			k.k							
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah		29-12-2022								
Contractor Reference	KS2 - (05) - 29-12-2022										
Received by ER	A-2		MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS	29	12	2022		

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials		Soil (A-1-a)		
Location of stock		K.p (509+580)		
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	10 %	
4	ASTM D 4318	Atterberg limit	N.P	
5	ASTM D 2974	Moisture content	5.9 %	
6	ASTM D 1557	Modified proctor	2.15	
7	ASTM D 1883	CBR	75 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor			29-12-2022	
Contractor QA/QC *	Abdallah SAMY		29-12-2022	
GARB**	Hussien Fouad		29-12-2022	
Employers Representative	A 2		29/12/22	

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSА MATROUH
 From Station 504+000 To Station 568+177



Operating Lab: **AL Nuby Central Lab**

PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE:	26/12/2022	Code	Station	509+580	510+000
LOCATION	K.P (509+580)	KS2 (5)			
NAME COMPANY	Knouz Sina 2				

-visual inspection test

-Gradient test

-gradation of bulk materials				SAMPLE WEIGHT [g]		23809.00		gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify
0.00	2623.0	2752.0	2356.0	2125.0	1752.0	1810.0	1730.0		A-1-a
Cumulative Retained (g)	2623.0	5375.0	7731.0	9856.0	11608.0	13418.0	15148.0	PRO	2.15
Cumulative Retained %	11.0	22.6	32.5	41.4	48.8	56.4	63.6	WC	5.90
Cumulative Passing %	89.0	77.4	72.1	68.5	51.2	43.6	36.4	CBR	75.00

-soft material gradation				WT.OF sample		500.00		gm
sieve size	10	40	200					
Cumulative Retained (g)	37.70	184.00	362.00					
Cumulative Retained %	7.54	36.80	72.40					
Cumulative Passing %	92.46	63.20	27.60					

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	89.0	77.4	72.1	68.5	51.2	43.6	36.4	33.6	23.0	10.0

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
		N . L	N . P

Contractor

Consultant



Abdo





Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA TO MARSA MATROUH
 From Station 504+000 To Station 568+177



PROCTOR TEST

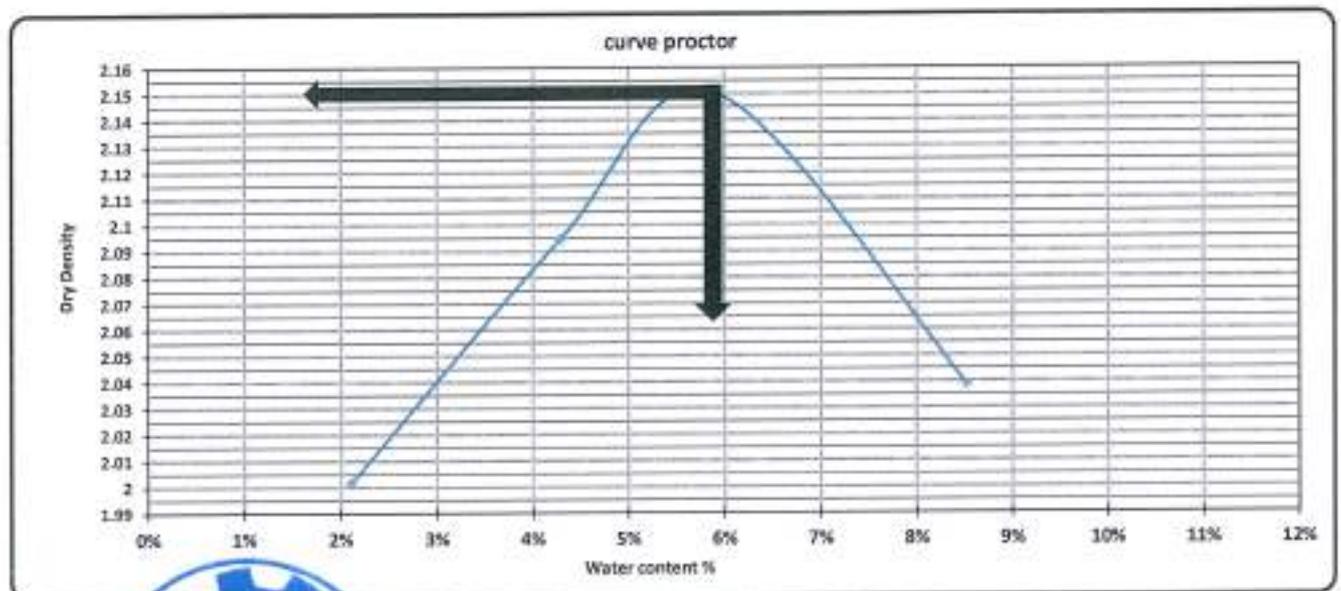
TESTING DATE:	27/12/2022	Code	Station	509+580	510+000
LOCATION	K.P (509+580)	KS2 (5)			
NAME COMPANY	Knooz Sina 2				

Weight of empty mold :	6037.0
Mold Volume:	2176.0

MAX Dry Density	2.15
Water content %	5.9

trial no :	1	2	3	4
Wt. Of Mold+ wet soil	10485.0	10790.0	10993.0	10852
WT. WET SOIL	4448.0	4753.0	4956.0	4815.0
Wt. Density	2.044	2.184	2.278	2.213

Tare No.	22	10	8	40	17	90	21	11
Tare wt.	54.1	43.7	46.8	46.4	59.7	62.6	55.2	46.1
Wt. Of wet soil & tare	150.9	150.0	150.0	150.0	150.0	150.0	150.0	150.0
Wt. Of dry soil & tare	148.1	147.7	145.9	145.6	144.8	145.2	142.5	141.9
Wt. Of water	1.9	2.3	4.1	4.4	5.2	4.8	7.5	8.1
Wt. Of dry soil	94.0	104.0	99.1	99.2	85.1	82.6	87.3	95.8
Water content %	2.0%	2.2%	4.1%	4.4%	6.1%	5.8%	8.6%	8.5%
AV. Water content %	2.1%		4.3%		5.9%		8.5%	
Dry Density	2.002		2.095		2.150		2.039	



California Bearing Ratio TEST

Testing Date :	29/12/2022	Code	FROM STA. :	509+580	510+000
Location :	K.P (509+580)	KS2 (5)			
Company Name	Knooz Sinn 2				

Test Results

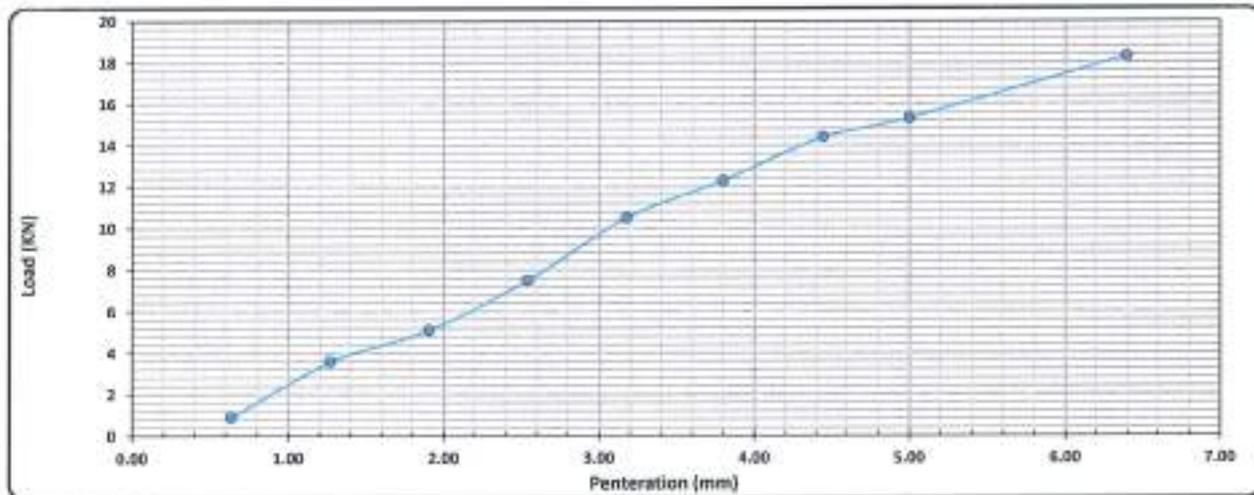
Compaction % for Mold	
Mold No.	4
Mold Vol. (cm ³)	2140
Mold WT. (gm)	4990
Mold WT. + Wet WT. (gm)	9785
Wet WT. (gm)	4885
Wet Density (g/cm ³)	2.283
Dry Density (g/cm ³)	2.157
Proctor Density (g/cm ³)	2.160
Compaction %	99.2

Moisture Ratio After Compacted Mold	
Tare No.	17
Tare WT. (gm)	59.5
Tare WT. +Wet WT. (gm)	150
Tare WT. +Dry WT. (gm)	145
Water WT. (gm)	5.0
Dry WT. (gm)	85.5
Moisture Content %	5.8

Swelling	
Mold No.	4
Date	29/12/2022
Initial Height (mm)	3.70
Final Height (mm)	3.70
Difference	0
Sample Height (mm)	11.90
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (mm)	0.83	0.12	0.17	0.25	0.35	0.41	0.48	0.51	0.61
Load (KN)	0.9	3.6	5.1	7.5	10.5	12.3	14.4	15.3	18.3



Calculations :-

Penetration (mm)	Load (Kn)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR % على نسبة 98
2.50	7.50	13.4	56.2%	100	98	55.1%
5.00	15.30	29.0	76.4%			75.8%

Lab. Specialist

Name :

Sign: 

Lab. Engineer

Name :

Sign: 

Consultant Engineer

Name :

Sign: 

MATERIAL INSPECTION REQUEST



Contractor Company	KNOOZ SINA COMPANY شركة كينو سيناء		Designer Company														
Issued by Contractor	Name	Sign	Date	Time													
	Eng. Ahmed Abdallah		29-12-2022														
Contractor reference	KS2 - (06)																
Received by ER	A.I.		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>KP509</td> <td>EW</td> <td>CS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM	KP509	EW	CS			
C1	C2	C3	DD	MM	YY	HH	MM										
KP509	EW	CS															

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 MATERIAL RESULTS			
Location to be Used	From	To			
	509+800	509+840	(-7.00)		
	509+700	509+800	(-7.50)		
	509+700	509+800	(-7.00)		
	509+800	509+860	(-6.50)		
MAR Approval No		Date			
Supplier Name					
Test Requirement		Specification		Clause	
Reference Photos	Yes attached / No	Other			
Item	Description	Unit	Quantity	Arrival Date	Note
1	Sieve analysis	m ³	5000	26-12-2022	
2	Classification	m ³	5000	26-12-2022	
3	Proctor & O.m.c	m ³	5000	27-12-2022	
4	L.L & P.L & PI	m ³	5000	27-12-2022	
5	C.B.R	m ³	5000	29-12-2022	
Comments by:			Comments by:		
A sample has been taken from fill material by K.K office to (Al Nuby laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .		
APPROVAL STATUS					
Organisation	Name	Sign	Date	A-AWC-R	
Contractor	Ahmed Abdallah		29-12-2022		
QA/QC *	mohamed elsaied		29-12-2022		
GARB**	Hussien Fouad		29-12-2022		
Employers Representative	A.I.		29/12/22		

* Designer

** Alignment / Bridges: Culvert Only

**MATERIAL
APPROVAL
REQUEST**



Location Name	Contractor Company			Designer Company							
Electric express train	KNOOZ SINA COMPANY			k.k							
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah		29-12-2022								
Contractor Reference	KS2 - (06) - 29-12-2022										
Received by ER	A Z		MAR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DD	MM	YY	HH	MM
				KPS09	EW	CS					

NB:Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials	Soil (A-1-a)			
Location of stock	K.p (509+580)			
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	9 %	
4	ASTM D 4318	Atterberg limit	N.P	
5	ASTM D 2974	Moisture content	6.8 %	
6	ASTM D 1557	Modified proctor	2.15	
7	ASTM D 1883	CBR	88.9 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah		29-12-2022	
Contractor QA/QC *	Abdallah SAMY		29-12-2022	
GARB**	Hussien Fouad		29-12-2022	
Employers Representative	A Z		29/12/22	

* Designer

** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSА MATROUH
 From Station 504+000 To Station 568+177



Operating Lab: AL Nuby Central Lab

PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE:	26/12/2022	Code	Station	509+580	510+000
LOCATION	K.P (509+580)	KS2 (6)			
NAME COMPANY	Knooz Sina 2				

-visual inspection test

-Gradient test

-gradation of bulk materials				SAMPLE WEIGHT [g]		24377.00		gm	table classify
sieve size	2	1.5	1	4/3	2/1	8/3	# 4	PASS	soil classify
0.00	2752.0	2982.0	2643.0	2741.0	2102.0	1985.0	1677.0		A-1-a
Cumulative Retained (g)	2752.0	5734.0	8377.0	11118.0	13220.0	15205.0	16882.0	PRO	2.15
Cumulative Retained %	11.3	23.5	34.4	45.6	54.2	62.4	69.3	WC	6.80
Cumulative Passing %	88.7	76.5	65.6	54.4	45.8	37.6	30.7	CBR	88.90

-soft material gradation				WT.OF sample		500.00		gm
sieve size	10	40	200					
Cumulative Retained (g)	38.10	181.00	354.00					
Cumulative Retained %	7.62	36.20	70.80					
Cumulative Passing %	92.38	63.80	29.20					

-General gradient										
sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	88.7	76.5	65.6	54.4	45.8	37.6	30.7	28.4	19.6	9.0

ATTERBERG LIMTS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
		N.L	N.P



Consultant

Mohamed



PROCTOR TEST

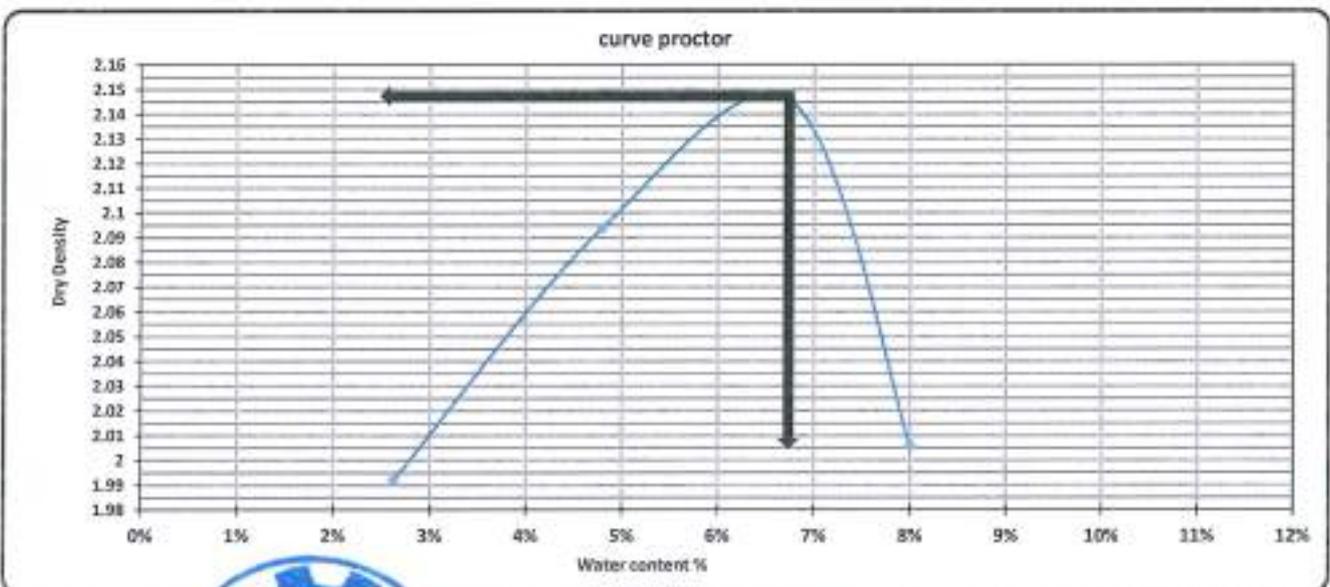
TESTING DATE:	27/12/2022	Code			
LOCATION	K.P (509+580)	K82 (8)	Station	509+580	510+000
NAME COMPANY	Knooz Sina 2				

Weight of empty mold :	6037.0
Mold Volume:	2176.0

MAX Dry Density	2.15
Water content %	6.8

trial no :	1	2	3	4	
Wt. Of Mold+ wet soil	10485.0	10812.0	11020.0	10752	
WT. WET SOIL	4448.0	4775.0	4983.0	4715.0	
Wt. Density	2.044	2.194	2.290	2.167	

Tare No.	15	4	19	16	18	45	7	34	
Tare wt.	31.9	60.1	44.4	33.9	44	41.5	42.8	70.2	
Wt. Of wet soil & tare	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	
Wt. Of dry soil & tare	147.1	147.6	145.4	145.2	143.2	143.2	140.6	142.8	
Wt. Of water	2.9	2.4	4.6	4.8	6.8	6.8	9.4	7.2	
Wt. Of dry soil	115.2	87.5	101.0	111.3	99.2	101.7	97.8	72.6	
Water content %	2.5%	2.7%	5.0%	5.0%	6.9%	6.7%	8.0%	8.0%	
AV. Water content %	2.6%		4.8%		6.8%		8.0%		
Dry Density	1.992		2.094		2.145		2.006		




Contractor
 Electric Express Train
 Central Call Number 4
 Suez Canal Authority


 شركة كينوز
 سينا
 للمقاولات العامة
 والتوريدات

Consultant





Electric Express Train - HSR



California Bearing Ratio TEST

Testing Date :	29/12/2022	Code	FROM STA :	509+580	510+000
Location :	(509+580) K.P	KS2 (6)			
Company Name :	Knouz Sina 2				

-: Test Results

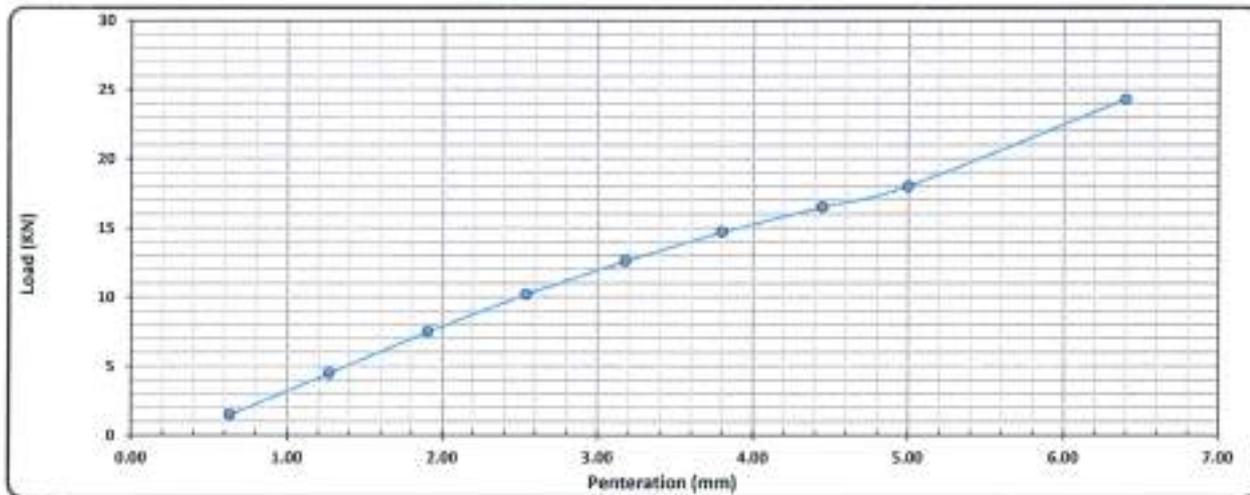
Compaction % for Mold	
Mold No.	6
Mold Vol. (cm ³)	2122
Mold WT. (gms)	6075
Mold WT. + Wet WT. (gms)	18874
Wet WT. (gms)	4799
Wet Density (g/cm ³)	2.262
Dry Density (g/cm ³)	2.130
Proctor Density (g/cm ³)	2.150
Compaction %	99.1

Moisture Ratio After Compacted Mold	
Tare No.	78
Tare WT. (gms)	33.3
Tare WT. + Wet WT. (gms)	150
Tare WT. + Dry WT. (gms)	142.2
Water WT. (gms)	6.8
Dry WT. (gms)	109.9
Moisture Content %	6.2

Swelling	
Mold No.	6
Date	29/12/2022
Initial Height (mm)	6.50
Final Height (mm)	6.50
Difference	0.000
Sample Height (mm)	12.00
Swelling Ratio %	0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (mm)	0.05	0.15	0.25	0.34	0.42	0.49	0.55	0.60	0.81
Load (KN)	1.5	4.5	7.5	10.2	12.6	14.7	16.5	18.0	24.3



Calculations :-

Penetration (mm)	Load (Ka)	Standard Load (Ib)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR (%)
2.50	10.20	13.4	76.4%	99	98	75.6%
5.00	18.00	20.0	89.9%			88.9%

Lab. Specialist

Name :

Sign :



Lab. Engineer

Name :

Sign :



Consultant Engineer

Name :

Sign :

Abdelshah



Contractor Company	KNOOZ SINA COMPANY		Designer Company								
Issued by Contractor	Name	Sign	Date	Time							
	Eng. Ahmed Abdallah		10-1-2023								
Contractor reference	KS2 - (07)										
Received by ER	A.I		MIR	C1	C2	C3	DD	MM	YY	HH	MM
				KPS09	EW	CS					

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 MATERIAL RESULTS					
Location to be Used	From	To				
	509+680	509+700	(-7.50)			
	509+800	509+880	(-6.00)			
	509+800	509+840	(-5.50)			
	509+800	509+860	(-6.50)			
509+740	509+800	(-6.00)				
MAR Approval No						Date
Supplier Name						
Test Requirement	Specification			Clause		
Reference Photos	Yes attached / No		Other			
Item	Description	Unit	Quantity	Arrival Date	Note	
1	Sieve analysis	m ³	5000	07-1-2023		
2	Classification	m ³	5000	07-1-2023		
3	Proctor & O.m.c	m ³	5000	08-1-2023		
4	L.L & P.L & PI	m ³	5000	08-1-2023		
5	C.B.R	m ³	5000	10-1-2023		
Comments by:			Comments by:			
A sample has been taken from fill material by K.K office to (Gomaa Badr laboratory) and the results founded meet the specifications and accepted.			TEST RESULTS FOR ESTIMATED QUANTITIES OF ABOUT 5000 m ³ .			

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah		10-1-2023	
QA/QC *	mohamed elsaid		10-1-2023	
GARB**	Hussien Fouad		10-1-2023	
Employers Representative	A.I		10/1/23	A

* Designer
 ** Alignment / Bridges: Culvert Only



Location Name	Contractor Company		Designer Company								
Electric express train	KNOOZ SINA COMPANY		k.k								
Issued by Contractor	Name	Sign	Date	Time							
	Ahmed Abdallah	<i>Ahmed</i>	10-1-2023								
Contractor Reference	KS2 - (07) - 10-1-2023										
Received by ER	<i>A I</i>	<i>[Signature]</i>	MAR	C1	C2	C3	DD	MM	YY	HH	MM
				KP509	EW	CS	10	1	23		

NB :Package 1 only (Package 2 via Content)				
The following test result are attached for review				
Description of Materials	Soil (A-1-a)			
Location of stock	K.p (509+580)			
Item	Specification	Test requirement	Test result attachment	Remarks
1	ASTM D 75	Aggregate Sampling	According to specifications	
2	ASTM C 136	Sieve Analysis	According to specifications	
3	ASTM D 1440	Passing Sieve, No 200	10.5 %	
4	ASTM D 4318	Atterberg limit	N.P	
5	ASTM D 2974	Moisture content	7.7 %	
6	ASTM D 1557	Modified proctor	2.145	
7	ASTM D 1883	CBR	67.4 %	
Comments by:		Comments by:		

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Ahmed Abdallah	<i>Ahmed</i>	10-1-2023	
Contractor QA/QC *	Abdallah SAMY	<i>Abdallah</i>	10-1-2023	
GARB**	Hussien Fouad	<i>Hussien</i>	10-1-2023	
Employers Representative	<i>A I</i>	<i>[Signature]</i>	10/1/23	

* Designer
 ** Alignment/Bridges: Culvert only



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA To MARSA MATROUH
 From Station 504+000 To Station 568+177



PARTICLE SIZE DISTRIBUTION OF SOIL

TESTING DATE	7/1/2023	code	ZONE	509+580	510+000
Location	K.P 509+580	KS2-007			
CLIENT COMPANY	knouz sina 2				
Visual inspection test	operate by	GOMAA BADR LAB			

Gradient test

gradation of bulk materials				SAMPLE WEIGHT [g]				19104.00	gm	table classify
sieve size	2	1.5	1	3/4	1/2	3/8	# 4	PASS	soil classify	
Mass retained (g)	0.0	1660.0	2930.0	2021.0	2587.0	1595.0	1631.0		A-1-a	
Cumulative Retained (g)	0.0	1660.0	4590.0	6611.0	9198.0	10793.0	12424.0	PRO	2.145	
Cumulative Retained %	0.0	8.7	24.0	32.0	48.1	56.5	65.0	WC	7.7%	
Cumulative Passing %	100.0	91.3	76.0	68.0	51.9	43.5	35.0	CBR	67.4%	

soft material gradation			WT.OF sample		500.00	gm
sieve size	10	40	200			
Cumulative Retained (g)	30.85	187.00	356.60			
Cumulative Retained %	6.17	37.40	71.32			
Cumulative Passing %	93.83	62.60	28.68			

General gradient

sieve size(in)	2	1.5	1	3/4	1/2	3/8	# 4	# 10	# 40	# 200
sieve size(mm)	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.00	0.425	0.075
Cumulative Passing %	100.0	91.3	76.0	68.0	51.9	43.5	35.0	32.8	21.9	10.5

ATTERBERG LIMITS	LIQUID LIMIT (L.L.)	PLASTIC LIMIT (P.L.)	PLASTIC INDEX (P.I.)
		N.P	N.P

Contractor

Consultant

المعمل المركزي
شركة جمعه بدر نوح

شركة كنوز
سيناء
للمقاولات العامة
والبنية التحتية

XX
المستشار المهندس
ع. ا. م. عبد المنعم



Electric Express Train - HSR



California Bearing Ratio TEST

TESTING DATE	10/1/2023	code			
location	K.P 509+580	KSI-007	ZONE	509+580	510+000
NAME COMPANY	knouz sina 2				

Test Results

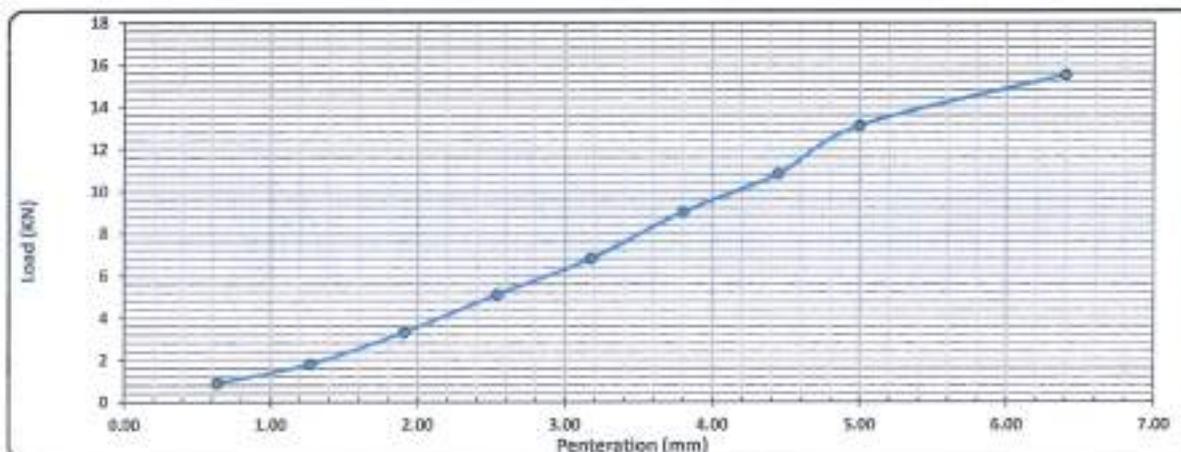
Compaction % for Mold	
Mold No.	2
Mold Vol. (cm ³)	2177.5
Mold WT. (gm)	16444
Mold WT. + Wet WT. (gm)	21314
Wet WT. (gm)	4879
Wet Density (g/cm ³)	2.237
Dry Density (g/cm ³)	2.077
Proctor Density (g/cm ³)	2.145
Compaction %	97

Moisture Ratio After Compacted Mold	
Tare No.	3
Tare WT. (gm)	27.04
Tare WT. + Wet WT. (gm)	134.46
Tare WT. + Dry WT. (gm)	127.3
Water WT. (gm)	7.2
Dry WT. (gm)	199.5
Moisture Content %	3.7

Swelling	
Mold No.	2
Date	10-1-2023
Total Height (mm)	2.45
Final Height (mm)	2.45
Difference	0.0
Sample Height (mm)	120.00
Swelling Ratio %	0.0%

Loading Reading :

Penetration (mm)	0.64	1.27	1.91	2.54	3.18	3.80	4.45	5.00	6.40
Load Reading (mm)	79	167	286	497	723	897	1092	1216	1436
Load (KN)	0.9	1.8	3.3	5.1	6.8	9.0	10.8	13.1	15.5



Calculations :-

Penetration (mm)	Load (Kn)	Standard Load (lb)	CBR (%)	Mold - Compaction (%)	Compaction (%)	CBR % عند نسبة 100
2.50	5.10	13.4	38.2%	97.3	100	39.3%
5.00	13.10	20.0	65.4%			67.4%

Lab. Specialist

Lab. Engineer

Consultant Engineer

Name : *Hassan*
 Sign : *المعمل المركزي
 شركة جمعه بدر نوح*

Name :
 Sign : *شركة كنوز
 سيناء
 للمقاولات العامة
 والتوريدات*

Name : *Abdullah*
 Sign : *KK*



Electric Express Train - HSR
 From El Ain El Sokhna City To El Alamein - MATROUH
 Section - 7 From FOKA TO MARSА MATROUH
 From Station 504+000 To Station 568+177



PROCTOR TEST

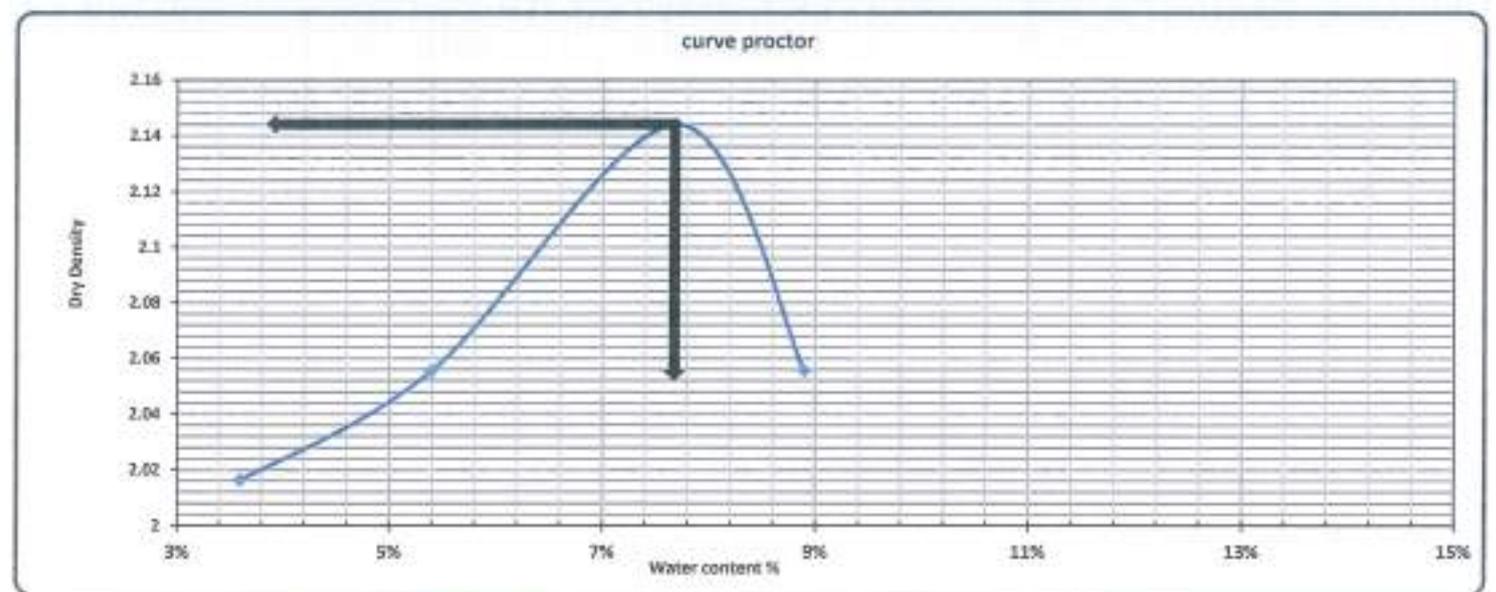
TESTING DATE	8/1/2023	code			
location	K.P 509+580	K52-007	ZONE	509+580	510+000
NAME COMPANY	knouz sina 2				

Weight of empty mold :	6238.0
Mold Volume:	2104.9

MAX Dry Density	2.145
Water content %	7.70

trial no :	1	2	3	4		
Wt. Of Mold+ wet soil	10635.0	10798.0	11013.0	10950		
WT. WET SOIL	4397.0	4560.0	4775.0	4712.0		
Wt. Density	2.089	2.166	2.269	2.239		

Tare No.	12	12	2	2	3	3	45	45				
Tare wt.	34.36	34.36	23.07	23.07	22.8	22.8	25.28	25.28				
Wt. Of wet soil & tare	146.2	146.2	117.6	117.6	121.2	121.2	133.8	133.8				
Wt. Of dry soil & tare	141.68	141.68	113	113	114.15	114.15	124.6	124.6				
Wt. Of water	4.5	4.5	4.6	4.6	7.1	7.1	9.2	9.2				
Wt. Of dry soil	107.3	107.3	89.9	89.9	91.3	91.3	99.3	99.3				
Water content %	4.2%	4.2%	5.1%	5.1%	7.7%	7.6%	9.3%	9.3%				
AV. Water content %	3.6%		5.4%		7.7%		8.9%					
Dry Density	2.016		2.055		2.144		2.056					



المعمل المركزي
 شركة جمعا بامر نوح

شركة كنوز
 سيناء
 للمقاولات العامة
 للتجارة والبناء

Consultant
 KK
 المكتب
 الاستشاري الهندسي
 ا.م.ح. خالد عبدالعظيم



قائمة كميات بالمستخلص جازي (2)

مشروع : القطار الكهربائي السريع (العين السخنة -العاصمة الإدارية -العلمين -مطروح) قطاع فوكة - مطروح في المسافة من الكم 509+580 الى الكم 510+000 بطول 0.42 كيلو متر اتجاه فوكة

رقم البند و بيانه : (2-1) أعمال حفر باستخدام المعدات الميكانيكية في التربة المتماسكة عدا الصخرية (باستخدام البلدوزر) طبقا للمفاوضة عن شهر مايو 2023

تسقيس : شركة كنوز سيناء للمقاولات العامة والتوريدات

مقدار العمل السابق : 0.00 3م

الكمية	الابعاد (متر)		الموقع الكيلومترات		بيان الاعمال بالمقاييس
	مساحة المقطع	طول	الى	من	
2716.67	33.96	80	509+660	509+580	القطاع الاول
3395.83	33.96	100	509+760	509+660	القطاع الثاني
2037.5	33.96	60	509+820	509+760	القطاع الثالث
8150.00	اجمالي الكميات خلال فترة المستخلص الحالية (م ³)				
8150.00	الاجمالي الكمي (م ³)				

مهندس الهيئة العامة للطرق
والكهرباء
م / إبراهيم بن زايد المناري

مهندس الاستشاري
مكتب د/خالد قنديل
م / خالد فوزي السيد

مهندس الاستشاري (xyz)
م / محمد هادي خليل

مهندس الشركة
م / أحمد عبدالعاطي حامد



قائمة كميات بالمستخلص جاري (2)

مشروع : القطار الكهربائي السريع (العين السخنة -العاصمة الادارية -العلمين -مطروح) قطاع فوكة - مطروح في المسافة من الكم 509+580 الى الكم 510+000 بطول 0.42 كيلو متر اتجاه فوكة

رقم البند و بيانه : (3-1) علاوة مسافة النقل 287.5 كم

علاوة مسافة النقل

تسليط : شركة كنوز سيناء للمقاولات العامة و التوريدات

0.00 3م

مقدار العمل السابق :

بيان بالكميات	الكمية
الكمية طبقاً لتوائم الكميات	36,259.80
اجمالي الكميات خلال فترة المستخلص الحالية (3م)	36,259.80
الاجمالي الكلي (م ³)	36,259.80

مهندس الهيئة العامة للطرق
الكباري
م / ايمن محمد الحادوي

مهندس الاستشاري
مكتب د/يوسف كميل
م / خالد فوزي السيد

مهندس الاستشاري (xyz)

م / محمد هادي كميل

مهندس الشركة

م / احمد عبدالعاطي جاهد

كواله

محمد هادي كميل

أحمد عبدالعاطي جاهد



قائمة كميات بالمستخلص جاري (2)

مشروع : القطار الكهربائي السريع (العين السخنة -العاصمة الإدارية -العلمين -مطروح) قطاع فوكة - مطروح في المسافة من الكم 509+580 الى الكم 510+000 بطول 0.42 كيلو متر اتجاه فوكة

رقم البند و بيانه : (3-1) رسوم الكارثة والموازن طبقاً للمادة(36) من الشروط العامة والمواصفات طبقاً لما جاء بالفاتحة الموحدة لاسعار الطرق لاعمال طبقة الأتربة

الكارثات والموازن

تنفيذ : شركة كنوز سيناء للعقارات العامة و التوريدات

3م

0.00

مقدار العمل السابق :

الكمية	بيان بالكميات
36,259.80	الكمية طبقاً للوثق الكميات
36,259.80	اجمالي الكميات خلال فترة المستخلص الحالية (3م)
36,259.80	الاجمالي الكلي (م ³)

مهندس الهيئة العامة للطرق
والجسور
م / ايوان احمد الكادوي

مهندس الاستشاري
مكتب د/علاء قديش
م / حنا فوزي السيد

عبدالمعز

مهندس الاستشاري (xyz)

م / محمد توفيق خليل

محمد خليل

مهندس الشركة

م / احمد عبدالعاطي حامد

احمد عبدالعاطي



قائمة كميات بالمستخلص جاري (2)

مشروع : القطار الكهربائي السريع (العين السخنة -العاصمة الإدارية -العلمين -مطروح) قطاع فوكة - مطروح في المسافة من الكم 509+580 الى الكم 510+000 بطول 0.42 كيلو متر اتجاه فوكة

رقم البند و بيانه : (3-1) أعمال توريد وتشغيل التربة صالحة للردم ومطابقة للمواصفات طبقا للمفاوضه عن شهر مايو 2023

تنفيذ : شركة كنوز سيناء للمقاولات العامه والتوريدات

الكمية	الابعاد (متر)		الموقع الكيلومترات		بيان الاصل بالمقاييسه
	مساحة المقطع	طول	ال	من	
1726.66	86.33	20	509+600	509+580	القطاع الأول
8633.29	86.33	100	509+700	509+600	القطاع الثاني
8633.29	86.33	100	509+800	509+700	القطاع الثالث
8633.29	86.33	100	509+900	509+800	القطاع الرابع
8633.29	86.33	100	510+000	509+900	القطاع الخامس
36259.80	اجمالي الكميات خلال فترة المستخلص الحالية (م ³)				
36259.80	الاجمالي الكلي (م ³)				

مهندس الهيئة العامة للطرق
م / إبراهيم محمد العطارى

مهندس الإستشاري
مكتب وإخلاء قنديل
م / خالد فوزي السيد
م / خالد السيد

مهندس الإستشاري (xyz)
م / محمد محمد خليل

مهندس الشركة
م / أحمد عبدالمنظر حاتم
م / محمد محمد معاض



المدينة العامة
للطرق والكباري

المنطقة الخامسة - (غرب الدلتا)

السيد المهندس / نائب رئيس قطاع التنفيذ والمناطق

تحية طيبة.. وبعد،،

بالإحالة إلى مشروع القطار السريع (العين السخنة - العاصمة الإدارية جرج العرب -

مرسى مطروح)

نتشرف بأن نرفق لسيادتكم طيه المقاييس المعدلة للقطاعات الآتية:

أولا : القطاع السابع (فوكة/مطروح) :

م	اسم الشركة	بداية القطاع (كم)	نهاية القطاع (كم)	التكلفة (مليون)
1	كنوز سيناء للمقاولات العامة والتوريدات	509+580	510+000	20,000,000

برجاء من سيادتكم التفضل بالاحاطه والتوجيه بالازم

وتفضلوا بقبول فائق الاحترام والتقدير،،

رئيس الإدارة المركزية

المنطقة الخامسة غرب الدلتا

عبد مهندس /
هاني محمد محمود طه



مشروع القطار الكهربائي السريع
المقاييس المعدلة لبيود الاعمال بعد التفاوض بتاريخ 2023/12/18 للقطاع السابع (فوكه- مطروح) - شركة كنوز سيناء - اتجاه فوكه
القطاع من المحطة 509+580 إلى المحطة 510+000

رقم البند	بيان الأعمال	الوحدة	الكمية	الثمن	الإجمالي
1	اصول الإزاحة والتخطيط				
1-1	إعداد المخطط اصلا تطوير الموقع من الإيجار والمزروعات و المسطحات في مناطق اثنان ذات طبيعة الزراعية الكثيفة والتخلص منها والتغلب الصونية لعمود لإصلا الرفع المساسي لكامل عمود المشروع طبقا للترتيب والبوصايات و تعليمات المهندس المشرف.	2	18.000	6.00	78,000.00
2	اصول التخطيط				
2-1	إعداد المخطط اصلا حفر بتسوية المعادن الميكانيكية في القرية المتنازعة بما القرية الصخرية (استخدام التوازن) وتسمية المنح بمات التسمية والتراس بالحاج الاصولية للوصول الى تربة قرطرية المطوية والشك الجيد بالمراسك الوصول الى العسي كافة جافة (95% من كتلة الدقا الصوري) ورسول على البلد لتعمل ونقل الآثرة التراتت لمسافة 500 متر من محور الطريق و يتم التقليل طبقا لتدابير التصديرة والقطاعات العرضية للتولجية والرسومات التفصيلية المتعلقة بالاد وجميع مستندات طبقا لاصول الصناعة وبمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف. يتم احتساب عبارة 1.1 عليه لكل 1 متر لمسافة لكل نتائج الطرق.				
	السعر في مايو 2023 طبقا للمطروحة	3	8150.00	30.50	248,575.00
3	اصول الترميم				
3-1	اصول تجميل و توريد و نقل الآثرة مسافة للتواصلات وتجهيلها باستخدام الآات التدمية بمسك لا يزيد عن 50 سم على مسوب 20 متر و مسك لا يزيد عن 25 سم لاستبدال العسوب التسميم لتشكل الجسر والاكافب (تسة لعمال كالجورنيا لا يقل عن 15%) و زسما بالحاج الاصولية للوصول الى تربة الرطوية المطوية والتمك الجيد بالمراسك الوصول الى العسي كافة جافة (95% من كتلة الدقا الصوري) ويتم التقليل طبقا لتدابير التصديرة والقطاعات العرضية التمولجية والرسومات التفصيلية المتعلقة بالاد وجميع مستندات طبقا لاصول الصناعة وبمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف. على حالة طلب جهاز الاشراف زيادة نسبة التكم عن 95% بحسب زيادة 1 جنة على زيادة نسبة التكم لكل 1% مسافة النقل على 2 متر ويتم احتساب عبارة 1.6 عليه لكل 1 متر بالزيادة -السعر يشمل كمية المادة المصغرية				
	عبارة مسافة النقل 287.5 كم	3	36,259.80	428.25	15,628,259.390
	عبارة تحصيل رسوم الكارثة والتوازن طبقا للجنة القرية الوطنية	3	36,259.80	13.00	471,377.400
	السعر في مايو 2023 طبقا للمطروحة	3	36,259.80	101.40	3,876,743.7200
					19,999,955.470

(تسعة عشر مليون وتسعمائة وتسعة وأربعون ألفا وتسعمائة وخمسة وخمسون جنية وسبعة وأربعون قرشا لا غير)

مدير عام المشروعات
 م / محمد حسني تيمون

مدير المشروع المالك
 م / ابراهيم كماله العناوي

مدير المشروع الاستشاري
 م / هادي فوزي



بمعمد
 رئيس الإدارة المركزية
 منطقة غرب الدلتا
 الاسكندرية - مرسى مطروح
 عميد مهندس /
 " هاني محمد محمود تاه "

0.25
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