



# ASPHALT PLANT

## ENERCO

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### تصريح صناعات مواد البناء والتشييد

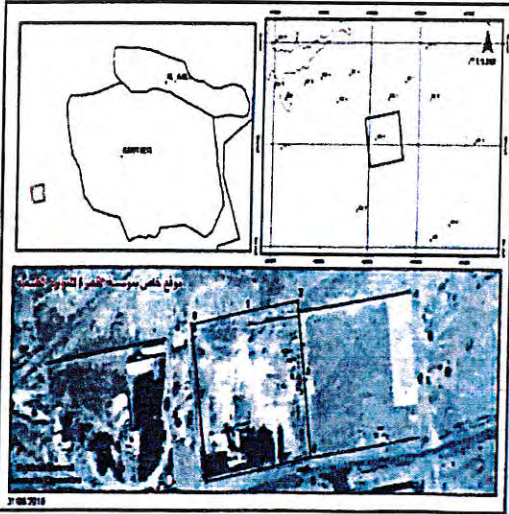
نوع التصريح : جديد

رقم التصريح : 234

رقم إيصال : 35920

رقم الجواز	الجنسية	الصفة	الاسم
GL1855830	الإمارات	صاحب التصريح	أحمد محمد عبدالله جوهر
00	لا يوجد	وكيل المحلي	لا يوجد
RL1001032	لبنان	المدير	دورى بطرس حديد
0	لبنان	شريك	موسى صمونيل القسيس

### بيانات الموقع



الاسم التجاري : شركة اينركو للمقاولات ذ.م.م

النشاط : معمل خلطات انتاج الاسفلت

نوعية الخامات : جابرو

الشكل القانوني : شركة ذات مسؤولية محدودة

مكان الموقع : الفجيرة

محتويات الموقع : -

مدة التصريح : خمس سنوات من 02-08-2016 إلى 01-08-2021

على أن يجدد كل عام

فترة التصريح : الأولى من 02-08-2016 إلى 01-08-2017

Area Coordinates		إحداثيات الموقع	
E	402783.00	402851.00	402919.00
N	2797476.00	2797487.00	2797498.00
E	402940.00	402874.00	402807.00
N	2797356.00	2797345.00	2797334.00

مساحة الموقع  
19594.00  
m2

المهندس/ علي قاسم

مدير مؤسسة الفجيرة للموارد الطبيعية





**ENERCO**  
SAL ABU DHABI

## Asphalt Plant - Fujairah



Marini - 175-190L-R





# CERTIFICATE OF CALIBRATION

Certificate No. : GCLC/20178639-01/2017  
Request No. : GCLC/RQ/20178639

ISSUED BY : **General Const. Lab**  
CALIBRATION L.L.C.

Date of Issue: 16/05/2017

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Approved Signatory

John Mathew (Managing Director)     Meena K (Technical Manager)



**General Const. Lab**  
CALIBRATION L.L.C.

A division of **General Tech** Services Group  
P.O.Box 25898, Industrial Area-3  
Sharjah, United Arab Emirates  
Phone : 06-5436933 / 06-5436733, Fax : 06-5437077  
E-Mail : gentech@eim.ae  
Website : www.generaltech.ae

Customer Name & Address : **ENERCO CONTRACTING CO. LLC, FUJAIRAH, UAE**  
Received Date : At Site  
Calibration Date : May 15, 2017  
Calibration Due On : May 14, 2018 (as requested by the customer)  
Calibrated by : Deepesh Kumar

This is to confirm that the batching plant weighing system mentioned below has been tested / calibrated using standard test weights. The weighing scales of the batching plant has complied with the accuracy requirements of ASTM D 995 - 95b, NIST Hand Book-44 & ASTM C 94/C94M) at the time of verification. Information on the calibration process and its results are given in the continuation sheets of this

### Description of Batching Plant Under Test

Type	Batching plant ( Asphalt )		
Manufacturer	Marini		
Serial No.	175-190L-R		
Location	Fiji		
Materials	Aggregate	Bitumen	Filler
Capacity	2400 kg	240 kg	240 kg
Readability	1 kg	0.1 kg	0.1 kg

### Description of Reference Weights

Type	Set of Test Weights 20 kg, 10 kg, 5 kg & Precision Test Weights(1mg-5 kg)
Serial No.	G082013 - G082039 & G 1634002
Certificate No.	GCLC/2094-05A/2017, Cal. Due on 13/1/2018 & G2-401 D-K-19408-01-00/16-12, Cal. Due on 15/12/2019 (Calibrated by GCLC, a DAC accredited laboratory, traceable to International Standards Laboratory through Dubai Accreditation Centre) & Calibrated by DKD Accredited laboratory, traceable to National Metrology Institute (PTB), Germany)

### Traceability Statement

All measuring equipments used for calibration purposes is traceable to international Standards which has been demonstrated to Dubai Accreditation Centre (DAC). It provides traceability of measurement to recognized national/international standards, and to units of measurement realized at the National Physical Laboratory or other recognized standards laboratory.

Basis of test : GTS/WP-04 (Based on ASTM D 995 - 95b, NIST Hand Book-44 & ASTM C 94/C94M))

### Environmental Conditions

Temperature & Humidity : 23±2°C / 50±10% RH

**Uncertainty Statement:**-The uncertainty reported is based on standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

*GCLC is not liable for any damage caused by or resulting from improper or negligent use. The reported calibration results related only to the items calibrated.*

*This certificate is issued in accordance with the laboratory accreditation requirements of the Dubai Accreditation Center (DAC). DAC is a signatory to the Mutual Recognition Arrangements with International Laboratory Accreditation Cooperation (ILAC). This Certificate may not be reproduced other than in full, except with the prior written permission of General Const. Lab Calibration L.L.C.*





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E-Mail : gentech@eim.ae  
Website : www.generaltech.ae

## CALIBRATION RESULT

### AGGREGATE SCALE

Calibration date 15/05/2017  
Serial No. 175-190L-R  
Located at Fiji  
Capacity 2400 kg  
Resolution 1 kg  
Tolerance  $\pm 0.15\%$  of scale capacity or  $\pm 0.4\%$  of net applied load

AGGREGATE			
True Load (kg)	Indicated Load (kg)		Error %
	As Found	As Left	
0	0	0	0.00
100	100	100	0.00
200	200	200	0.00
300	300	300	0.00
400	400	400	0.00
500	499	500	0.00
1000	997	1000	0.00
1500	-	1500	0.00
2000	-	1999	-0.05
2400	-	2398	-0.08

Uncertainty of Weighing at 2400 kg =  $\pm 1.2$  kg

Discrimination Test at Zero = passed

Discrimination Test at Full Scale = Passed

Note: The weighing scale has been adjusted prior to take readings to meet the accuracy requirements.

The minimum standard test weights used for calibration is 500 kg





# CERTIFICATE OF CALIBRATION

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Date of Issue: 16/05/2017

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Website : www.generaltech.ae

## CALIBRATION RESULT

### BITUMEN SCALE

Calibration date 15/05/2017  
Serial No. 175-190L-R  
Located at Fiji  
Capacity 240 kg  
Resolution 0.1 kg  
Tolerance  $\pm 0.15\%$  of scale capacity or  $\pm 0.4\%$  of net applied load

BITUMEN			
True Load	Indicated Load (kg)		Error
(kg)	As Found	As Left	%
0	0.0	0.0	0.00
20	20.0	20.0	0.00
40	40.0	40.0	0.00
60	60.0	60.0	0.00
80	79.9	80.0	0.00
100	99.8	100.0	0.00
200	199.7	199.9	-0.05
240	-	239.8	-0.08

Uncertainty of Weighing at 240 kg =  $\pm 0.12$  kg

Discrimination Test at Zero = passed

Discrimination Test at Full Scale = Passed

Note: The weighing scale has been adjusted prior to take readings to meet the accuracy requirements.

The minimum standard test weights used for calibration is 240 kg





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Website : www.generaltech.ae

## CALIBRATION RESULT

### FILLER SCALE

Calibration date 15/05/2017  
Serial No. 175-190L-R  
Located at Fiji  
Capacity 240 kg  
Resolution 0.1 kg  
Tolerance  $\pm 0.15\%$  of scale capacity or  $\pm 0.4\%$  of net applied load

FILLER			
True Load (kg)	Indicated Load (kg)		Error %
	As Found	As Left	
0	0.0	0.0	0.00
20	20.0	20.0	0.00
40	40.0	40.0	0.00
60	60.0	60.0	0.00
80	80.0	80.0	0.00
100	99.9	100.0	0.00
200	199.8	199.9	-0.05
240	239.6	239.8	-0.08

Uncertainty of Weighing at 240 kg =  $\pm 0.12$  kg

Discrimination Test at Zero = passed

Discrimination Test at Full Scale = Passed

Note: The weighing scale has been adjusted prior to take readings to meet the accuracy requirements.

The minimum standard test weights used for calibration is 240 kg

(Note: Opinion and Interpretation mentioned in this certificate is outside the scope of accreditation.)

\*\*\* END OF REPORT \*\*\*





## TEST CERTIFICATE

**Certificate No.** : QTS/CNO/0358-04/16  
**Test Request No.** : QTS/RQ/0358/16  
**Certificate Issue Date** : May 18, 2016  
**Customer Name** : ENERCO  
**Address** : FUJAIRAH, U A E  
**Calibration Date** : May 15, 2016  
**Calibration Due In** : May 14, 2017

### Equipment Description

**Instrument Description** : Vaccum Gauge  
**Manufacturer** : N/A  
**Model** : N/A  
**Serial No.** : VCG-01  
**Asset/ID No.** : N/A  
**Range** : 0 to -1bar  
**Readability** : 0.02 bar

**Environment** : Temp: 22°C ±3°C / Humidity 45 ±5% RH - At Site

### Test Equipment Used

Hand Pressure Pump, Make : Wika; Serial No : 1305427; Certificate No : C1307093.01(ENAS Accredited Lab).

### Traceability

All measuring equipments used for calibration purpose is traceable to internationally recognized Standards.

### Procedure For Certification

QTS/WP/11

### Result

Indicated Value ( bar )	Applied Value ( bar )	Deviation ( bar )
0.0	0.00	0.00
-0.2	-0.20	0.00
-0.4	-0.40	0.00
-0.6	-0.61	-0.01
-0.8	-0.81	-0.01
-1.0	-1.01	-0.01

*Baiju*



*Anish Kumar*

Calibrated By : Baiju M T

Technical Manager - Anish Kumar

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## CALIBRATION CERTIFICATE

Certificate No. : QTS/CNO/0358-02/16  
Test Request No. : QTS/RQ/0358/16  
Certificate Issue Date : May 18, 2016  
Customer Name : ENERCO  
Address : FUJAIRAH, U A E  
Calibration Date : May 15, 2016  
Calibration Due On : May 14, 2017

### Equipment Description

Type : Water Bath  
Manufacturer : Matest  
Model : B052-01  
Serial No. : B052-01/AD/0014  
Asset/ID No. : N/A  
Range : 90°C  
Readability : 0.1°C

Environment : Temp: 24°C ±3°C / Humidity 45 ±5% RH - At Site

### Test Equipment Used

Digital Thermometer (Center), serial No. 130303995, Cert no C1510009.01 (ENAS Accredited Laboratory)

### Traceability Statement

All measuring equipments used for calibration purpose is traceable to internationally recognized standards.

### Procedure For Certification

QTS/WP/14

### Result

Applied (°C)	Measured (°C)	Deviation (°C)
60	59.9	-0.1

*Baiju*



*Anish Kumar*

Calibrated By : Baiju M T

Technical Manager - Anish Kumar

## TEST CERTIFICATE

**Certificate No.** : QTS/CNO/0358-01/16  
**Test Request No.** : QTS/RQ/0358/16  
**Certification Issue Date** : May 18, 2016  
**Customer Name** : **ENERCO**  
**Address** : **FUJAIRAH, U A E**  
**Calibration Date** : May 15, 2016  
**Calibration Due On** : May 14, 2017

### Equipment Description

**Instrument Description** : NCAT Oven ( Asphalt Content Tester )  
**Manufacturer** : Thermo Scientific  
**Model** : F85 930-33  
**Serial No.** : 0116273501150820  
**Asset No.** : N/A  
**Weight**  
**Range** : 8 Kg  
**Readability** : 0.1 g  
**Temperature**  
**Range** : 1200°C  
**Readability** : 1°C

**Environment** : Temp: 22°C ±3°C / Humidity 45 ±5% RH - At Site

### Test Equipment Used

Digital Thermometer (Center), serial No. 130303995, Cert No C1510009.01 (ENAS Accredited Laboratory)  
Test Weights F1 (1mg - 5kg); make : Radwang; Cert. No 2015022742; Calibrated By DCA  
Test Weights M1 ( 5kg, 10kg ); Make : Shankar Wire; Cert. No 2015090521; Calibrated By DCA

### Traceability Statement

All measuring equipments used for calibration purpose is traceable to internationally recognized standards.

### Procedure For Certification

As per Manufacturers

*Jayan*

Calibrated By : Jayan Simon



*Anish Kumar*

Technical Manager - Anish Kumar

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**Test Request No.** : QTS/RQ/0358/16  
**Calibration Date** : May 15, 2016  
**Calibration Due Date** : May 14, 2017

### Observations & Test Results

Setting Time	1.89 sec	Hysterisis	0
Off Center Error	0.08 g		

### Performance Test

Standard Weight ( g )	Instrument Response ( gram )				Correction ( g )
	Test 1	Test 2	Test 3	Average	
0	0.0	0.0	0.0	0.00	0.00
10	10.0	10.0	10.0	10.00	0.00
50	50.0	50.0	50.0	50.00	0.00
100	100.0	100.0	100.0	100.00	0.00
500	500.0	500.0	500.0	500.00	0.00
1000	1000.0	1000.0	1000.0	1000.00	0.00
5000	5000.0	5000.0	5000.0	5000.00	0.00
8000	8000.0	8000.0	8000.0	8000.00	0.00

### Temperature Reading

Applied °C	Measured °C	Deviation °C
200	200.2	0.2
300	300.4	0.4
400	399.6	-0.4
800	801.1	1.1
1000	1002	2



\*\*\* END OF REPORT \*\*\*

## CALIBRATION CERTIFICATE

Certificate No. : QTS/CNO/0358-03/16  
Test Request No. : QTS/RQ/0358/16  
Certificate Issue Date : May 18, 2016  
Customer Name : ENERCO  
Address : FUJAIRAH, U A E  
Calibration Date : May 15, 2016  
Calibration Due On : May 14, 2017

### Equipment Description

Type : Drying Oven  
Manufacturer : Calor Instruments  
Model : LDR-SO-225  
Serial No. : SO-225  
Asset/ID No. : N/A  
Range : 999°C  
Readability : 1°C  
Environment : Temp: 22°C ±3°C / Humidity 45 ±5% RH - At Site

### Test Equipment Used

Digital Thermometer (Center), serial No. 130303995, Cert No C1510009.1 (ENAS Accredited Laboratory)

### Traceability Statement

All measuring equipments used for calibration purpose is traceable to internationally recognized standards.

### Procedure For Certification

QTS/WP/07

### Result

Setting Temperature ( °C )	Measured ( °C )	Deviation ( °C )
50	50.0	0.0
100	100.1	0.1
150	150.1	0.1
200	199.9	-0.1
250	249.9	-0.1
300	299.9	-0.1

*Baiju*



*Anish Kumar*

Calibrated By : Baiju M T

Approved By : Anish Kumar

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