



QATAR INDUSTRIAL LABORATORIES W.L.L

(Independent Geotechnical and Material testing Laboratories)

COMPANY PROFILE

Contact Person: Mr. Hassan El Zein
(General Manager- Mobile# 55888856)

ISO/IEC 17025:2017

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Industrial area street no.43 gate #51 P.O. BOX 10415, DOHA-QATAR
TEL: 0974 4601484/4601580 Fax: 0974 4601739 E-mail: qil@qilqatar.com

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SECTION 1

COMPANY INFORMATION

Introduction

Qatar Industrial Laboratories (Q.I.L.) was established in Qatar in the year 1994. Q.I.L. is an approved laboratory both for material and geotechnical services by Ministry of Environment and Public Work Authorities (ASHGHAL). Furthermore, QIL is accredited as per international standard ISO/IEC 17025:2017 for its laboratory services.

The standard inventory comprises of 'Independent Material Testing Laboratory' and has a vast experience in testing of materials for construction purposes like concrete, asphalt, soil, aggregate, cement, metallurgy, and chemical for various contracting firms in the State of Qatar. Laboratory analysis and testing is carried out according to established international standard methods (BS/BS EN/ASTM/AASHTO/APHA/AWWA) and local standards like Qatar Construction Standards.

The company's core activity remains in providing consultancy & tests services for Piling works, geotechnical site investigation for both onshore & offshore like coring, drilling of rock and soil etc & CPT.

Qualified and experienced engineers supervise Qatar Industrial Laboratories (QIL). QIL technicians have been trained to carry out tests in accordance to recognized testing standards. Supervision with regards to reporting of test results is full time in the laboratory to ensure continued service and customer satisfaction.

All laboratory equipment complies with international standards and specifications and follows periodical calibration to verify suitability.

At present, QIL provides good reasonable services throughout the State of Qatar.

Under the dynamic team of thorough professionals Qatar Industrial Laboratories has made a significant presence in Qatar.

TECHNICAL OVERVIEW

Geotechnical Engineering

- Subsurface Exploration
- Geological & Geophysical Studies
- Laboratory & Field Testing
- Engineering Evaluation and Recommendations
- Specification Preparation and Review
- Quality Assurance of Compacted Fill
- Foundation Inspection
- Foundation Failure Investigation
- Pile testing

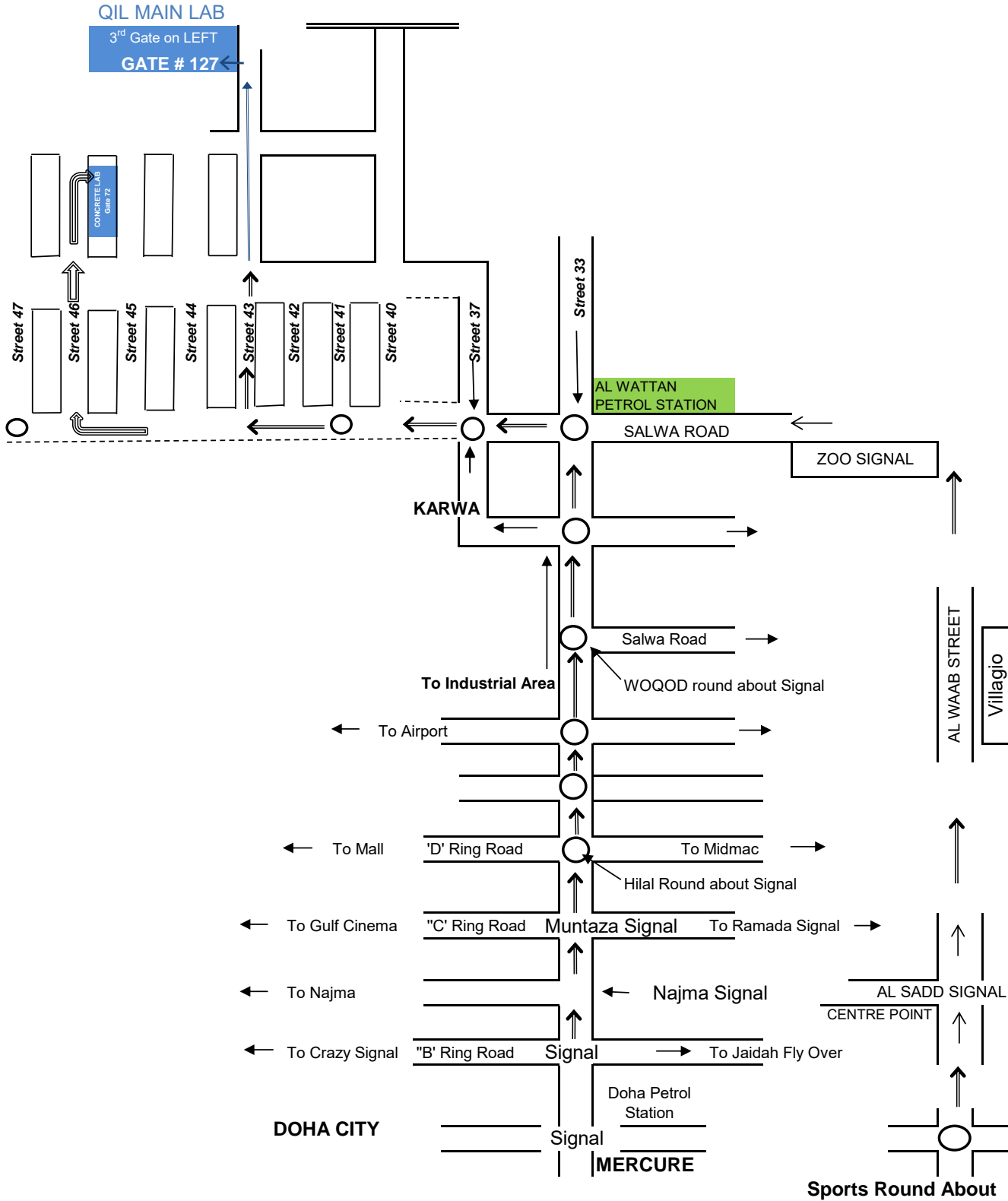
Construction Materials

- Construction Materials Engineering
- Construction Inspection
- Aggregate Source Studies & Selection
- Material Usage & Quality Control Programs
- Field & Laboratory Testing of Concrete, Steel, Asphalt and other Construction Materials
- Assistance in establishing Concrete Batch Plants, Brick, Block and Pipe Manufacturing Plants
- Non-Destructive Testing - Ultrasonic, X-ray Gamma Ray
- Failure Investigation & Analysis
- Chemical testing of potable and wastewater including Microbiological examination.

COMPANY DETAILS

Trading License No.	8955
Commercial Registration No.	17063
Address	East Industrial Area, Street No. 43, Gate 127 PO Box 10415 Doha, Qatar
Business Hours	07:30am – 04:30pm (Saturdays through Wednesdays) 07:30am – 01:00pm (Thursday) <i>Note: Laboratory personnel shall be made available outside business hours by prior arrangement.</i>
Website	www.qilqatar.com
Telephone	+974 4460 1580/ 4460 1584
Fax	+974 4460 1739
Email	qil@qilqatar.com
Contact Person	Mr. Hassan El Zein

LOCATION MAP - Qatar Industrial Laboratories W.L.L



(Route marked by double line arrows)



Map

Leyster Building
Materials and Transport

Domasco Honda Ploton
Volvo Service Center

DOMASCO
Honda Brodyshop

EBC Camp St. 43

HONDA

Domasco Honda
Service Station

Gater Industrial
Laboratories W.L.L.

Specialized Engineering
Services W.L.L.

Metalex Trading and
Contracting Co. W.L.L.

Franklin Offshore
Qatar W.L.L.

CloudQatar

LAB

Google

Emergency 992017 Doha S / Aruba, Map data ©2017 Google

Terms

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100 ft



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SECTION 2

REGISTRATIONS, CERTIFICATIONS & ACCREDITATIONS



وزارة التجارة والصناعة Ministry of Commerce and Industry

إدارة التسجيل
والتراخيص التجارية

Registration and Commercial
Licenses Department

مستخرج ببعض بيانات السجل التجاري

تاريخ الطباعة: 2021/10/06



رقم التسجيل التجاري:	17063	رقم التسجيل الضريبي:	5000104398
الأسم التجاري:	مختبرات قطر الصناعية	السمة التجارية:	
تاريخ انشاء السجل:	10/11/1994	تاريخ انتهاء السجل:	08/11/2022
الشكل القانوني:	شركة ذات مسئولية محدودة	راس المال:	400000
حالة السجل:	نشط	جنسية المنشأة:	قطر
عدد الفروع:	1		
صندوق البريد:		معلومات الاتصال:	+974
		أرقام الاتصال:	

الشركاء

الاسم	رقم الاثبات	رقم السجل	الجنسية	النسبة	الحالة
مجموعة المها القابضه // يوسف جاسم الدويش و اولاده //		14238	قطر	49	نشط
اسواق الخليج		7388	قطر	51	نشط

المدراء (المخولون بالتوقيع)

الاسم	رقم الاثبات	رقم السجل	الجنسية	الصفة (الملاحية)
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Page 1 of 2

رقم السجل : 17063



غرفة قطر
QATAR CHAMBER

تشهد غرفة تجارة و صناعة قطر بان المنشأة المذكورة اعلاه سجلت لدينا

Qatar Chamber certifies that the above mentioned establishment has been registered



وزارة التجارة والصناعة Ministry of Commerce and Industry

إدارة التسجيل
والتراخيص التجارية

Registration and Commercial
Licenses Department

مستخرج بعض بيانات السجل التجاري

صلاحيات كاملة ومطلقة - مدير	قطر	26363400038	الوليد يوسف جاسم الدرويش
- مدير	السودان	26273600884	ناصر جبارة محمد صالح
صلاحيات كاملة ومطلقة - مدير	قطر	23763400028	يوسف جاسم درويش الدرويش
صلاحيات كاملة ومطلقة - مدير	قطر	26763400907	جاسم يوسف جاسم الدرويش
الصلاحيات المالية - مدير	مصر	27681801337	حسين سليمان سليمان
صلاحيات كاملة ومطلقة - مدير	كندا	25412400041	حسن احمد الزين

الفروع

حالة الفرع	رقم السجل للفرع	اسم الفرع	الرقم التسلسلي
نشط	17063/1	مختبرات قطر الصناعية	1

الأنشطة التجارية

اسم النشاط	الرقم
فحص التآكل في المنشآت	7120009
قياس نسب نقاوة و تلوث الهواء	7120015
مختبرات البيئة و القياسات الاشعاعية	7120017
مختبرات فحص التربة	7120013
مختبرات أغذية	7120019
اختبار انواع المعادن	7120003
فحص و معالجه الحرارة و تخفيض الضغط	742230
تجارة معدات واجهزة الفحص والاختبار	2001837
مقاولات الحفر والدفان	452120

اسم النشاط	الرقم
معمل فحوصات التربة والمواد الخرسانية والاسفلتيه	7120018
اختبار و قياس المؤشرات البيئية	7120400
المختبرات و التحليل الكيميائي	7120102
اعمال فحص واختبار مواد البناء	7120005
مختبر تحليل المياه	7120002
استيراد المواد المشعه	4669063
الفحص والمعائنه غير التدميري	7120004
خدمات فحص التربة	2001391
اعمال حفر ابار المياه	415110
اعمال حفر الاساسات وتثبيت الركائز	2000836



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رقم السجل : 17063



تشهد غرفة تجارة و صناعة قطر بان المنشأة المذكورة اعلاه سجلت لدينا

Qatar Chamber certifies that the above mentioned establishment has been registered



وزارة التجارة والصناعة

Ministry of Commerce and Industry

Registration and Commercial
Licenses Department

إدارة التسجيل
والتراخيص التجارية

رخصة تجارية



رقم الرخصة: 8955
الأسم التجاري: مختبرات قطر الصناعية
نوع المنشأة التجارية: شركة
السمة التجارية:
تاريخ اصدار الرخصة: 2014/02/23
تاريخ انتهاء الرخصة: 2022/02/05
رقم السجل التجاري: 17063

بيانات المدير المسؤول :

اسم المدير المسؤول: يوسف جاسم درويش الدرويش
رقم الإثبات: 23763400028

جنسية المدير المسؤول: قطر

نموذج ختم المنشأة التجارية :

عقار رقم: 127
رقم الدور/ الوحدة:
اسم مالك العقار: الدوله
نوع الرخصة :
وصف العنوان :
57- المنطقة الصناعية -
43- شارع 43

بيانات الموقع :
تصنيف الموقع:
نوع الموقع:
المنطقة:
الشارع:
رقم الشارع :
تجاري
مختبر
57 المنطقة الصناعية
43
43

الأنشطة التجارية :

اسم النشاط	رقم النشاط	اسم النشاط	رقم النشاط
اختبار انواع المعادن	7120003	استيراد المواد المشعه	4669063
خدمات فحص التربة	2001391	الفحص والمعائنه غير التدميري	7120004



STATE OF QATAR
MINISTRY OF INTERIOR
General Directorate of Passport



دولة قطر
وزارة الداخلية
الإدارة العامة للجوازات

بطاقة قيد المنشأة Establishment Card		
Est. ID	10-6333-00	رقم قيد المنشأة
اسم المنشأة : مختبرات قطر الصناعي		
Est. Name : QATAR INDUSTRIAL LABORATORIES		
Sector : HEALTHY		القطاع : صحي
First Issue :	2004-10-17	تاريخ اول اصدار :
Expiry Date :	2022-02-05	تاريخ الصلاحية :
مدير عام الإدارة العامة للجوازات		
2021/01/14 09:04:18		

المفوضين Authorizers		رقم الوثيقة
التوقيع	الاسم	
	جاسم يوسف جاسم درويش الدرويش JASSIM AL-DARWISH	26763400907
	الوليد يوسف جاسم الدرويش ALWALEED AL-DARWISH	26363400038
	يوسف جاسم درويش الدرويش YOUSUF AL-DARWISH	23763400028
Cards 1 / 1 عدد البطاقات Instruction تعليمات		
• على من يجد هذه البطاقة ان يقوم بتسليمها الى اي مركز للشرطة • Whoever finds this card should deliver it to any police station.		



CERTIFICATE OF ACCREDITATION

This is to attest that

QATAR INDUSTRIAL LABORATORIES W.LL

43, GATE 127, P.O. BOX 10415
DOHA 10415, STATE OF QATAR

Testing Laboratory TL-528

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 20, 2021



A handwritten signature in black ink that reads "Raj Nathan".

President

REGISTRATION CERTIFICATE

شهادة تسجيل مختبر خاص

وفقاً لللائحة الصادرة بقرار وزير البلدية والبيئة رقم (356) لسنة 2017م
According to the Ministerial Decree No. (356)/2017

No: **RL002 -19**

Date of Issue: 02/08/2021 تاريخ اصدار الشهادة:
Date of Expiry : 01/08/2022 الصلاحية حتى:
Lab Name: مختبرات قطر الصناعية ذ.م.م اسم المختبر:
Qatar Industrial Laboratories W.L.L
Address: المنطقة الصناعية، شارع 43، بوابة 127، ص.ب: 10415، الدوحة - قطر العنوان:
Industrial Area, Street 43, Gate 127, P.O.Box: 10415 Doha-Qatar
CR No: 17063 رقم السجل التجاري :
Activity: Testing (Material, Geotechnical) النشاط:
Scope of Registration: Attached Scope of accreditation No: TL-528 مرفق مجال الاعتماد شهادة رقم: مجال التسجيل:

Notes:

1. QS has no any responsibility for poor performance by this lab during the validity period.
2. This certificate will remain valid for the period specified, subject to compliance with the Technical Regulations.
3. This certificate is invalid without the attached scope of accreditation
3. It is important to apply two months before expiry date of validity for renewal of this conformity certificate.
4. The required fee for this certificate has been stated according to the decision No. (112)/2019



Recommended by:

Head of CC Section

Authorized by:

Director of Quality & Conformity Dept

Approved by:

PRESEDENT, QGOS



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

QATAR INDUSTRIAL LABORATORIES W.LL

www.qilqatar.com

Contact Name Rafique Abdulla Shaikh

Contact Phone +974-44601580

Accredited to ISO/IEC 17025:2017

Effective Date May 20, 2021

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	AASHTO T304	Standard Method of Test for Uncompacted Void Content of Fine Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C29	Standard Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C40	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C117-17	Standard Test Method for Materials Finer than 75- μm (No. 200) Sieve in Mineral Aggregates by Washing	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C123	Standard Test Method for Lightweight Particles in Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C127	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C128	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Fine Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C136	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C142	Standard Test Method for Clay Lumps and Friable Particles in Aggregates	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM C535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM D75	Standard Practice for Sampling Aggregates	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM D546	Standard Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM D854	Standard Test Methods for Specific Gravity of Soil Solids by Water Pycnometer	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM D4791	Flat particle, elongated particle, flat and elongated particle	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-2	Testing aggregates. Methods for determination of density- Clauses 5.3, 5.4 & 5.5	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-102	Testing aggregates. Methods for sampling	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-103.1	Testing aggregates. Method for determination of particle size distribution. Sieve tests- Clauses 7.2 & 7.3	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-105.1	Testing aggregates. Methods for determination of particle shape. Flakiness index	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-105.2	Testing aggregates. Methods for determination of particle shape. Elongation index of coarse aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-109	Testing aggregates. Methods for determination of moisture content	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-110	Testing aggregates. Methods for determination of aggregate crushing value (ACV)	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-111	Testing aggregates. Methods for determination of ten per cent fines value (TFV)	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-112	Testing aggregates. Method for determination of aggregate impact value (AIV)	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-117	Testing aggregates. Method for determination of water-soluble chloride salts: Clause 9: Water soluble chloride content	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-117	Testing aggregates. Method for determination of water-soluble chloride salts Appendix C: Acid soluble Chloride content-Aggregate	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-118	Testing aggregates. Methods for determination of sulphate content - Clause 9: Acid-Sulphate Content	Industrial Area (St. No.43) Main Lab
Aggregate	BS 812-121	Testing aggregates. Method for determination of soundness	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 932-1	Tests for general properties of aggregates. Methods for sampling	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 933-1	Tests for geometrical properties of aggregates. Determination of particle size distribution. Sieving method	Industrial Area (St. No.43) Main Lab

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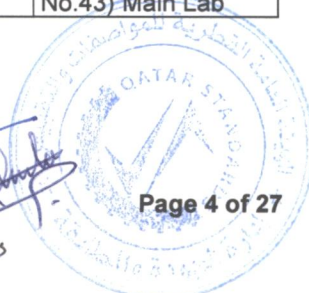
Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	BS EN 933-3	Tests for geometrical properties of aggregates. Determination of particle shape. Flakiness index	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 933-4	Tests for geometrical properties of aggregates. Determination of particle shape. Shape index	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 933-7	Tests for geometrical properties of aggregates. Determination of shell content. Percentage of shells in coarse aggregates	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1097-2	Tests for mechanical and physical properties of aggregates. Methods for the determination of resistance to fragmentation CL 5	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1097-6	Tests for mechanical and physical properties of aggregates. Determination of particle density and water absorption	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1367-2	Tests for thermal and weathering properties of aggregates. Magnesium sulfate test-Soundness test	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1744-1	Tests for chemical properties of aggregates. Chemical analysis- Clause 7: Water soluble Chloride content-	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1744-1	Tests for chemical properties of aggregates. Chemical analysis- Clause 10: Water soluble Sulphate content-	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1744-1	Tests for chemical properties of aggregates. Chemical analysis - Clause 12: Acid soluble Sulphate Content	Industrial Area (St. No.43) Main Lab
Aggregate	BS EN 1744-5	Tests for chemical properties of aggregates. Determination of acid soluble chloride salts - Clause 9: Acid soluble Chloride content-Aggregate	Industrial Area (St. No.43) Main Lab
Asphalt	AASHTO R47	Reducing samples of hot mix asphalt to testing size	Industrial Area (St. No.43) Main Lab
Asphalt	AASHTO T312	Preparation and determination of relative density of Asphalt mix specimen using Super pave gyratory compactor	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D5	Standard Test Method for Penetration of Bituminous Materials	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6	Standard Test Method for Loss on Heating of Oil and Asphaltic Compounds	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D36/D36M	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D70	Standard Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method)	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Industrial Area (St. No.43) Main Lab

TL-528
QATAR INDUSTRIAL
LABORATORIES W.LL



IAS INTERNATIONAL
ACCREDITATION
SERVICE®

Handwritten signatures and initials



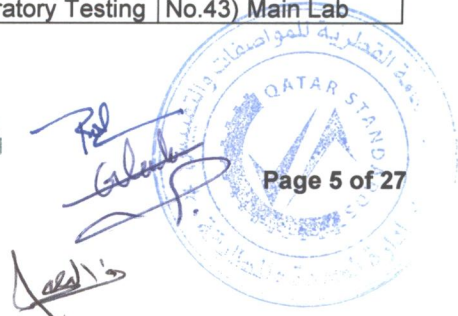
SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	ASTM D95	Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D113	Standard Test Method for Ductility of Bituminous Materials	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D139	Standard Test Method for Float Test for Bituminous Materials	Field test
Asphalt	ASTM D140 Cl. 9.1.1,10,11, 13 and 14	Standard Practice for Sampling Bituminous Materials	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D402	Standard Test Method for Distillation of Cutback Asphaltic (Bituminous) Products	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D979	Standard Practice for Sampling Bituminous Paving Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D1188	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D1754	Standard Test Method for Effects of Heat and Air on Asphaltic Materials & #40; Thin-Film Oven Test & #41	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2041	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2042	Standard Test Method for Solubility of Asphalt Materials in Trichloroethylene	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2172	Standard Test Methods for Quantitative Extraction of Bitumen From Bituminous Paving Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2726	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2950	Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D2995	Standard Practice for Estimating Application Rate and Residual Application Rate of Bituminous Distributors	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D3549	Standard Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D3665	Standard Practice for Random Sampling of Construction Materials	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D4402	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D5361	Standard Practice for Sampling Compacted Bituminous Mixtures for Laboratory Testing	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	ASTM D5444	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D5581	Standard Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus (6 inch-Diameter Specimen)	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6307	Standard Test Method for Asphalt Content of Hot-Mix Asphalt by Ignition Method	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6925	Standard Test Method for Preparation and Determination of the Relative Density of Asphalt Mix Specimens by Means of the Super pave Gyrotory Compactor	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6926	Standard Practice for Preparation of Bituminous Specimens Using Marshall Apparatus	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6927	Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6930	Standard Test Method for Settlement and Storage Stability of Emulsified Asphalts	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6931	Standard Test Method for Indirect Tensile (IDT) Strength of Bituminous Mixtures	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6933	Standard Test Method for Oversized Particles in Emulsified Asphalts (Sieve Test)	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6935	Standard Test Method for Determining Cement Mixing of Emulsified Asphalt	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D6997	Standard Test Method for Distillation of Emulsified Asphalt	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D7113	Standard Test Method for Density of Bituminous Paving Mixtures in Place by the Electromagnetic Surface Contact Methods	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D7402	Standard Practice for Identifying Cationic Emulsified Asphalts	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM D7496	Standard Test Method for Viscosity of Emulsified Asphalt by Saybolt Furol Viscometer	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM E303	Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM E965	Standard Test Method for Measuring Pavement Macrottexture Depth Using a Volumetric Technique	Industrial Area (St. No.43) Main Lab
Asphalt	ASTM E1703	Standard Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 1426	Bitumen and bituminous binders. Determination of needle penetration	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	BS EN 1427	Bitumen and bituminous binders. Determination of the softening point. Ring and Ball method	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-1	Bituminous mixtures. Test methods for hot mix asphalt Soluble binder content	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-2	Bituminous mixtures. Test methods. Determination of particle size distribution	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-5	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the maximum density	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-6	Bituminous mixtures. Test methods for hot mix asphalt. Determination of bulk density of bituminous specimens	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-8	Bituminous mixtures. Test methods for hot mix asphalt. Determination of void characteristics of bituminous specimens	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-13	Bituminous mixtures. Test methods for hot mix asphalt. Temperature measurement	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-27	Bituminous mixtures. Test methods for hot mix asphalt. Sampling	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-28	Bituminous mixtures. Test methods for hot mix asphalt. Preparation of samples for determining binder content, water content and grading	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-29	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the dimensions of a bituminous specimen	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-30	Bituminous mixtures. Test methods for hot mix asphalt. Specimen preparation by impact compactor	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-34	Bituminous mixtures. Test methods for hot mix asphalt. Marshall test	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 12697-36	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the thickness of a bituminous pavement	Industrial Area (St. No.43) Main Lab
Asphalt	BS EN 13036-7	Road and airfield surface characteristics. Test methods. Irregularity measurement of pavement courses. The straightedge test	Industrial Area (St. No.43) Main Lab
Asphalt	QCS:2014	Section 6- Part 5; Surface Irregularity (Evenness test)	Industrial Area (St. No.43) Main Lab
Cement	ASTM C183	Standard Practice for Sampling and the Amount of Testing of Hydraulic Cement	Industrial Area (St. No.43) Main Lab
Cement	ASTM C187	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	Industrial Area (St. No.43) Main Lab
Cement	ASTM C191	Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Cement	ASTM C349	Standard Test Method for Compressive Strength of Hydraulic-Cement Mortars (Using Portions of Prisms Broken in Flexure)	Industrial Area (St. No.43) Main Lab
Cement	ASTM C989	Standard Specification for Slag Cement for Use in Concrete and Mortars	Industrial Area (St. No.43) Main Lab
Cement	ASTM C1012	Standard Test Method for Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	Industrial Area (St. No.43) Main Lab
Cement	ASTM C1240	Standard Specification for Silica Fume Used in Cementitious Mixtures	Industrial Area (St. No.43) Main Lab
Cement	BS EN 196-1	Methods of testing cement. Determination of strength	Industrial Area (St. No.43) Main Lab
Cement	BS EN 196-2 Cl 5	Cl 5 Chemical analysis of cement- National Annex D (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, SO ₃ , K ₂ O)	Industrial Area (St. No.43) Main Lab
Cement	BS EN 196-3	Methods of testing cement. Determination of setting times and soundness	Industrial Area (St. No.43) Main Lab
Cement	BS EN 196-6	Methods of testing cement. Determination of fineness & Density of Cement	Industrial Area (St. No.43) Main Lab
Cement	BS EN 196-7	Methods of testing cement. Methods of taking and preparing samples of cement	Field Test
Chemical	ASTM C494 Cl.18.2	Standard Specification for Chemical Admixtures for Concrete (Residue (% Solids))	Industrial Area (St. No.43) Main Lab
Chemical	ASTM C494 Cl.18.4	Standard Specification for Chemical Admixtures for Concrete (Specific Gravity)	Industrial Area (St. No.43) Main Lab
Chemical	ASTM E415	Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry	Industrial Area (St. No.43) Main Lab
Chemical	ASTM E1086	Standard Test Method for Analysis of Austenitic Stainless Steel by Spark Atomic Emission Spectrometry	Industrial Area (St. No.43) Main Lab
Chemical	BS 6068-2.51	Water quality. Physical, chemical and biochemical methods. Determination of sodium and potassium: determination of sodium and potassium by flame emission spectrometry (Alkalinity)	Industrial Area (St. No.46) Main Lab
Chemical	BS EN 196-2 Cl 4.4.1	Method of testing cement. Chemical analysis of cement (Cl 4.4.1 Loss on Ignition)	Industrial Area (St. No.46) Main Lab
Chemical	BS EN 480 PART 8	Admixtures for concrete, mortar and grout. Test methods. Determination of the conventional dry material content (Dry material)	Industrial Area (St. No.46) Main Lab
Chemical	EN ISO 9963-1	Water quality. Physical, chemical and biochemical methods. Determination of sodium and potassium: determination of sodium and potassium by flame emission spectrometry (Alkalinity)	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical	SMEWW 2130 B	Turbidity	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2320 B	Alkalinity	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2340 C	Total Hardness	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2510 B	Conductivity	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2540 B	Total Solids	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2540 C	Total Dissolved Solids/Total volatile dissolved solid	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2540 D	Total Suspended Solids (TSS) in Water	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 2540 F	Settleable Solids	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 3500 Ca B	Calcium	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 3500 Mg B	Magnesium	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 4500 Cl- B	Chloride	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 4500 Cl G	Chlorine Residual	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 4500 H+ B	pH in water	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 4500 P C	Phosphorus	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 4500 SO42 C	Sulphate	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 5210 D	Biological Oxygen Demand	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 5220 D	Chemical Oxygen Demand	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 9223 B	E.Coli	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 9223 B	Fecal Coliforms	Industrial Area (St. No.46) Main Lab
Chemical	SMEWW 9223 B	Total Coliforms	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	SOP: QSWI-CHEM-99-020 (based on APHA/SMEWW 3120-B)	Metals by ICP-OES (Hg, Ca, Fe, K, Mg, Na, Si, B, P, Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Ti, V Zn, Th and U)	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil)	SOP: QSWI-CHEM-PAH- GC/MS-01 (based on APHA/SMEWW 6640 B & C (Soxhlet Extraction))	Poly Aromatic Hydrocarbons: Naphthalene Acenaphthlene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene 1,2-Benzanthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno (1,2,3-c.d)pyrene Dibenzo(a,h)Anthracene Benzo(g,h,i)Perylene	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	USEPA 1664 Revision B USEPA 9071 B	Total Petroleum Hydrocarbons (>C28-C40 and above) - Heavy Fraction	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	USEPA 8015 D USEPA 5021 A	Total Petroleum Hydrocarbons (C6-C9) - GRO	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	USEPA 8015 D USEPA 3510 C	Total Petroleum Hydrocarbons (C10-C28) - DRO	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	USEPA 8260 B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (VOCs): Vinyl chloride Ethyl ether 1,1-dichloroEthene CFC-113 Carbon disulfide Acetonitrile Allyl chloride Methylene chloride MTBE trans-1,2-Dichloroethene 1,1-dichloroEthane Diisopropyl ether cis-1,2-dichloroethene Propionitrile 2,2-Dichloropropane Methyl Acrylate Methane, bromochloro- Chloroprene Tetrahydrofuran Chloroform Ethane, 1,1,1-trichloro- 1-Propene, 1,1-dichloro- Benzene 1,2-dichloroEthane	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil) (cont'd.)	USEPA 8260 B (cont'd.)	Trichloroethylene 1,2-dichloroPropane Methane, dibromo- Methyl methacrylate Methane, bromodichloro- Propane, 2-nitro- 1-Propene, Cis 1,3-dichloro- Toluene 1-Propene, trans 1,3-dichloro-, (E)- Ethyl Methacrylate 1,1,2-trichloroEthane Tetrachloroethylene 1,3-dichloroPropane dibromochloroMethane 1,2-dibromoEthane ChloroBenzene, Ethylbenzene m & p-Xylene o-Xylene Styrene Bromoform isopropylbenzene(cumene) 2-Butene, trans 1,4-dichloro, (E)- Bromobenzene 1,2,3-trichloropropane Benzene, propyl- 2-chlorotoluene Benzene, 1,3,5 -trimethyl- 4-chlorotoluene Benzene, tert-butyl- Benzene, 1,2,4-trimethyl- Sec-butylbenzene p-Cymene 1,3-dichloroBenzene 1,4-dichloroBenzene 1,2-dichloroBenzene n-butyl-Benzene Propane, 1,2-dibromo-3-chloro- Benzene, nitro- 1,2,4-trichloroBenzene, hexachloro-1,3-Butadiene, Naphthalene Benzene, 1,2,3-trichloro-	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	USEPA 8270D	Semi-volatile Organic Compounds (SVOC) Phenol Aniline Bis(2-chloroethyl) ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobezene	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil) (cont'd.)	USEPA 8270D (cont'd.)	Benzyl alcohol 1,2-Dichlorobenzene 2-Methylphenol (o-cresol) 2,2'-oxybis(1-chloropropane) 3-Methylphenol (o-cresol) 4-Methylphenol (p-cresol) Hexachloroethane Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol Bis(2-chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene Dichlorvos (DDVP) 2-Methylnaphthalene 1-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline 1,4-Dinitrobenzene Dimethyl phthalate 1,3-Dinitrobenzene 2,6-Dinitrotoluene 1,2-Dinitrobenzene Acenaphthylene 3-Nitroaniline Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Dibenzofuran 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol Diethylphthalate 4-Chlorophenyl phenyl ether Fluorene 4-Nitroaniline 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) Diphenylamine Azobenzene 2,4,6-Tribromophenol (SS) 4-Bromopheny phenyl ether Hexachlorobenzene Pentachlorophenol	Industrial Area (St. No.46) Main Lab



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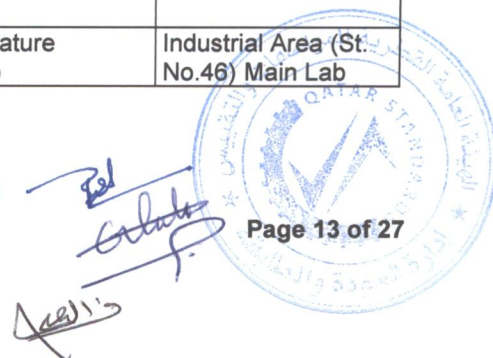
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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil) (cont'd.)	USEPA 8270D (cont'd.)	Phenanthrene Anthracene Phosphamidon Carbazole Di-n-butylphthalate Fluoranthene Pyrene Benzyl butyl phthalate Bis(2-ethylhexyl)adipate Chrysene Bis(2-ethylhexyl) phthalate Benz[a]anthracene Di-n-octyl phthalate Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[a]pyrene Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[ghi]perylene	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/SMEWW 3120-B	Metals by ICP-OES (Hg, Ca, Fe, K, Mg, Na, Si, B, P, Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Ti, V Zn, Th and U)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/SMEWW 3500-Cr B	Hexavalant Chromium (Colorimetric method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/SMEWW 4500 NH3 F	Ammonia (Phenate Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/SMEWW 5310B	Total Organic Carbon (TOC) - (High Temperature Combustion Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/SMEWW 6440 B&C	Poly Aromatic Hydrocarbons Liquid-Liquid Extraction Chromatographic method:-16 compounds Naphthalene Acenaphthlene Acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene 1,2-Benzanthracene Chrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno (1,2,3-c.d)pyrene Dibenzo(a,h)Anthracene Benzo(g,h,i)Perylene	Industrial Area (St. No.46) Main Lab
Chemical (Water)	ASTM D8083	Total Nitrogen - (High Temperature Catalytic Combustion Method)	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water)	USEPA 1664 Revision B	Oil and Grease Total Petroleum Hydrocarbons (>C28-C40 and above) - Heavy Fraction	Industrial Area (St. No.46) Main Lab
Chemical (Water)	USEPA 8015 D USEPA 5021 A	Nonhalogenated Organics using GC/FID Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis Total Petroleum Hydrocarbons (C6-C9) – Gasoline Range Organics (GRO)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	USEPA 8015 D USEPA 3510 C	Nonhalogenated Organics using GC/FID Separatory Funnel Liquid-Liquid Extraction Total Petroleum Hydrocarbons (C10-C28) – Diesel Range Organics (DRO)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	USEPA 8260 B	Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (VOCs, 64 Compounds):- Vinyl chloride Ethyl ether 1,1-dichloroEthene CFC-113 Carbon disulfide Acetonitrile Allyl chloride Methylene chloride MTBE trans-1,2-Dichloroethene 1,1-dichloroEthane Diisopropyl ether cis-1,2-dichloroethene Propionitrile 2,2-Dichloropropane Methyl Acrylate Methane, bromochloro- Chloroprene Tetrahydrofuran Chloroform Ethane, 1,1,1-trichloro- 1-Propene, 1,1-dichloro- Benzene 1,2-dichloroEthane Trichloroethylene 1,2-dichloroPropane Methane, dibromo- Methyl methacrylate Methane, bromodichloro- Propane, 2-nitro- 1-Propene, Cis 1,3-dichloro- Toluene 1-Propene, trans 1,3-dichloro-, (E)- Ethyl Methacrylate	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8260 B (cont'd.)	1,1,2-trichloroEthane Tetrachloroethylene 1,3-dichloroPropane dibromochloroMethane 1,2-dibromoEthane ChloroBenzene, Ethylbenzene m & p-Xylene o-Xylene Styrene Bromoform isopropylbenzene(cumene) 2-Butene, trans 1,4-dichloro, (E)- Bromobenzene 1,2,3-trichloropropane Benzene, propyl- 2-chlorotoluene Benzene, 1,3,5 -trimethyl- 4-chlorotoluene Benzene, tert-butyl- Benzene, 1,2,4-trimethyl- Sec-butylbenzene p-Cymene 1,3-dichloroBenzene 1,4-dichloroBenzene 1,2-dichloroBenzene n-butyl-Benzene Propane, 1,2-dibromo-3-chloro- Benzene, nitro- 1,2,4-trichloroBenzene, hexachloro-1,3-Butadiene, Naphthalene Benzene, 1,2,3-trichloro-	Industrial Area (St. No.46) Main Lab
Chemical (Water)	USEPA 8270D	Semi-volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (SVOC): Phenol Aniline Bis(2-chloroethyl) ether 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobezene Benzyl alcohol 1,2-Dichlorobenzene 2-Methylphenol (o-cresol) 2,2'-oxybis(1-chloropropane) 3-Methylphenol (o-cresol) 4-Methylphenol (p-cresol) Hexachloroethane Nitrobenzene	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8270D (cont'd.)	Isophorone 2-Nitrophenol 2,4-Dimethylphenol Bis(2-chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene Dichlorvos (DDVP) 2-Methylnaphthalene 1-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline 1,4-Dinitrobenzene Dimethyl phthalate 1,3-Dinitrobenzene 2,6-Dinitrotoluene 1,2-Dinitrobenzene Acenaphthylene 3-Nitroaniline Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Dibenzofuran 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol Diethylphthalate 4-Chlorophenyl phenyl ether Fluorene 4-Nitroaniline 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) Diphenylamine Azobenzene 2,4,6-Tribromophenol (SS) 4-Bromophenyl phenyl ether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Phosphamidon Carbazole Di-n-butylphthalate Fluoranthene Pyrene Benzyl butyl phthalate	Industrial Area (St. No.46) Main Lab



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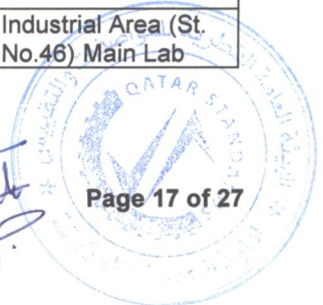
Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8270D (cont'd.)	Bis(2-ethylhexyl)adipate Chrysene Bis(2-ethylhexyl) phthalate Benz[a]anthracene Di-n-octyl phthalate Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[a]pyrene Indeno[1,2,3-cd]pyrene Dibenz[a,h]anthracene Benzo[ghi]perylene	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C31	Standard Practice for Making and Curing Concrete Test Specimens in the Field	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C39-18	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C42	Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C78	Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third- Point Loading)	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C97	Standard Test Method for Absorption and Bulk Specific Gravity of Dimension Stone	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Field Test/Lab
Concrete	ASTM C143	Standard Test Method for Slump of Hydraulic- Cement Concrete	Field Test/Lab
Concrete	ASTM C170	Standard Test Method for Compressive Strength of Dimension Stone	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete	Field Test/Lab
Concrete	ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	Field Test/Lab
Concrete	ASTM C642-13	Standard Test Method for Density, Absorption, and Voids in Hardened Concrete	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C900	Standard Test Method for Pullout Strength of Hardened Concrete	Field Test
Concrete	ASTM C989	Standard Specification for Slag Cement for Use in Concrete and Mortars	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	Field Test
Concrete	ASTM C1202	Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	Industrial Area (St. No.46) Main Lab
Concrete	ASTM C1611	Standard Test Method for Slump Flow of Self-Consolidating Concrete	Industrial Area (St. No.46) Main Lab

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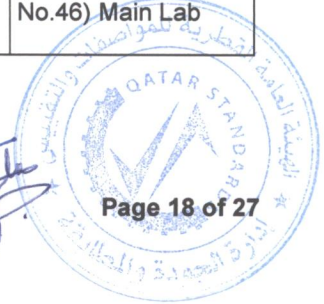
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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Concrete	BS 1881-122	Determination of water Absorption in Hardened concrete	Industrial Area (St. No.46) Main Lab
Concrete	BS 1881-124	Testing concrete. Methods for analysis of hardened concrete Clause 10.2: Chloride	Industrial Area (St. No.46) Main Lab
Concrete	BS 1881-124	Testing concrete. Methods for analysis of hardened concrete - Clause 10.3: Sulfate	Industrial Area (St. No.46) Main Lab
Concrete	BS 1881-208	Testing concrete. Recommendations for the determination of the initial surface absorption of concrete	Industrial Area (St. No.46) Main Lab
Concrete	BS 6073-2	Precast concrete masonry units. Guide for specifying precast concrete masonry units	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 445	Grout for prestressing tendons. Test methods (Bleeding)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 445	Grout for prestressing tendons. Test methods (Fluidity Test of Grouts)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 445	Grout for prestressing tendons. Test methods (Volume Change)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 450-1	Fly ash for concrete. Definition, specifications and conformity criteria	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 1338: Annex G	Measurement of abrasion resistance	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 1338 Annex I	Method for the determination of unpolished slip resistance value (USRV)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12350-1	Testing fresh concrete. Sampling and common apparatus (Testing fresh concrete. Sampling)	Field Test
Concrete	BS EN 12350-2	Testing fresh concrete. Slump-test	Field Test
Concrete	BS EN 12350-5	Testing fresh concrete. Flow table test	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12350-9	Testing fresh concrete. Self-compacting concrete (V-funnel test)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12350-10	Testing fresh concrete. Self-compacting concrete (L-box test)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12350-12	Testing fresh concrete. Self-compacting concrete (J-ring test)	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12390-1	Testing hardened concrete. Shape, dimensions and other requirements for specimens and moulds	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12390-2	Testing hardened concrete. Making and curing specimens for strength tests	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12390-3	Testing hardened concrete. Compressive strength of test specimens	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12390-7	Testing hardened concrete. Density of hardened concrete	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12390-8	Testing hardened concrete. Depth of penetration of water under pressure	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 12504-1	Testing concrete in structures. Cored specimens. Taking, examining and testing in compression	Industrial Area (St. No.46) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Concrete	BS EN 12504-2	Testing concrete in structures. Non-destructive testing. Determination of rebound number	Industrial Area (St. No.46) Main Lab
Concrete	BS EN 13791	Assessment of in-situ compressive strength in structure and precast concrete	Industrial Area (St. No.46) Main Lab
Geotechnical	ASTM D4543	Standard Practices for Preparing Rock Core as Cylindrical Test Specimens and Verifying Conformance to Dimensional and Shape Tolerances	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM D5334	Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM D5607	Standard Test Method for Performing Laboratory Direct Shear Strength Tests of Rock Specimens Under Constant Normal Force	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM D5731	Standard Test Method for Determination of the Point Load Strength Index of Rock and Application to Rock Strength Classifications	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM D6951	Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM D7012	Standard Test Methods for Compressive Strength and Elastic Moduli of Intact Rock Core Specimens under Varying States of Stress and Temperature	Industrial Area (St. No.43) Main Lab
Geotechnical	ASTM G57	Standard Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	Field Test
Geotechnical	BS 1377-5	Methods of test for soils for civil engineering purposes. Compressibility, permeability and durability tests - Clause 5: Determination of permeability by the constant-head method	Industrial Area (St. No.43) Main Lab
Geotechnical	BS 1377-7	Methods of test for soils for civil engineering purposes. Shear strength tests (total stress) -Clause 4: Determination of shear strength by direct shear (small shear box apparatus)	Industrial Area (St. No.43) Main Lab
Geotechnical	BS 1377-9	Methods for test for soils for civil engineering purposes. In-situ tests – Clause 3.3 Standard penetration test (SPT)	Field Test
Geotechnical	BS 5930	Code of practice for ground investigations (Geotech Sampling & Description)	Field Test
Geotechnical	BS 5930	Code of practice for ground investigations (Code of Practice for Site Investigation) CL 25: Packer Test	Field Test

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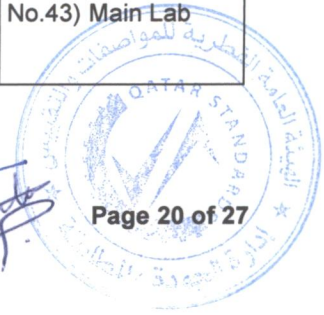
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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Geotechnical	BS 5930	Code of practice for ground investigations (Code of Practice for Site Investigation) CL 25: Permeability Test Constant Head+ Falling Head	Field Test
Geotechnical	BS 5930	Code of practice for ground investigations (Code of Practice for Site Investigation) CL 27: Pumping Test	Field Test
Geotechnical	BS 5930	Code of practice for ground investigations (Section 4 Cl 25.7: Pressuremeter Test)	Field Test
Geotextiles	ASTM C203	Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D412 Clause 16	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers— Tension	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D543	Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D570	Standard Test Method for Water Absorption of Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D624 Type B Type C	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers Type B Tear Strength Type C Tear Strength	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D638	Standard Test Method for Tensile Properties of Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D695	Standard Test Method for Compressive Properties of Rigid Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D751	Standard Test Methods for Coated Fabrics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D790	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D792	Standard Test Method for Density and Specific Gravity (Relative Density) of Plastics by Displacement	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting1	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D1000	Standard Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications (Addition-Pressure -Sensitive Adhesion to Primed Concrete)	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D1004	Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D1204	Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Geotextiles	ASTM D1621	Standard Test Method for Compressive Properties of Rigid Cellular Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D1622	Standard Test Method for Apparent Density of Rigid Cellular Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D1751 Sections 5.2-5.4	Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D2240 Shore D	Standard Test Method for Rubber Property-Durometer Hardness—Durometer Hardness	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D2842	Standard Test Method for Water Absorption of Rigid Cellular Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D3767	Standard Practice for Rubber— Measurement of Dimensions	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D3787	Standard Test Method for Bursting Strength of Textiles-Constant-Rate-of- Traverse (CRT) Ball Burst Test	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D4073	Standard Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D4354	Standard Practice for Sampling of Geosynthetics and Rolled Erosion Control Products (RECPs) for Testing	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D4595	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D4751 Method A	Standard Test Methods for Determining Apparent Opening Size of a Geotextile, Method A - Glass Bead Dry Sieving	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D5034	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D5147 CI 6, 7, 8, 10, 11	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material CL6 Thickness CI 7 Load Strain Properties CI 8 Tear Strength CI 10 Water Absorption CI 11 Dimensional Stability	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D5199	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D5261	Standard Test Method for Measuring Mass per Unit Area of Geotextiles	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Geotextiles	ASTM D5385	Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D6241	Standard Test Method for Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D6637 Method A	Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method, Method A	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM E96	Water Vapor Transmission	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM E154 CI 10	Standard Test Method for Resistance to Puncture	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 527	Plastics. Determination of tensile properties. General principles	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN 1849-1	Flexible sheets for waterproofing. Determination of thickness and mass per unit area. Bitumen sheets for roof waterproofing	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN 1849-2	Flexible sheets for waterproofing. Determination of thickness and mass per unit area. Plastics and rubber sheets for roof waterproofing	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 5084	Textiles -- Determination of thickness of textiles and textile products	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 9863 Part 1 CI 7.2.1 Procedure C Procedure D	Geosynthetics- Determination of thickness at specified pressures - single layers, CI 7.2.1 – Partial Procedure A Procedure C Procedure D	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 9864	Test method for the determination of mass per unit area of geotextiles and geotextile-related products	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 10319	Geosynthetics. Wide-width tensile test	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 11058	Geotextiles and geotextile-related products —Determination of water permeability characteristics normal to the plane, without load	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN 12127	Textiles. Fabrics. Determination of mass per unit area using small samples	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 12236	Geotextiles and geotextile related products static puncture test (CBR test)	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 12956	Geotextiles and geotextile-related products. Determination of the characteristic opening size	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN ISO 13433	Geosynthetics - Dynamic perforation test (cone drop test)	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Masonry	ASTM C140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units	Field Test
Masonry	BS 6073-1	Precast concrete masonry units. Specification for precast concrete masonry units	Industrial Area (St. No.46) Main Lab
Masonry	BS 6717	Precast, unreinforced concrete paving blocks. Requirements and test methods	Industrial Area (St. No.46) Main Lab
Masonry	BS 6717-1	Precast concrete paving blocks. Specification for paving blocks (Compressive Strength of paving blocks)	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 771-1	Specification for masonry units. Clay masonry units (Compressive strength and water absorption)	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 772-1	Methods of test for masonry units. Determination of compressive strength	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 771-3	Specification for masonry units. Aggregate concrete masonry units (dense and lightweight aggregates)	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 1338	Concrete paving blocks. Requirements and test methods	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 1339	Concrete paving flags. Requirements and test methods - Appendix E: Transverse strength Appendix F: Water absorption	Industrial Area (St. No.46) Main Lab
Masonry	BS EN 1340	Concrete kerb units. Requirements and test methods: Appendix C Dimension: Appendix E Water absorption and Appendix F Transverse strength of kerbs	Industrial Area (St. No.46) Main Lab
NDT	ASME Section V	Dye penetration test	Industrial Area (St. No.43) Main Lab
NDT	ASME Section V	Magnetic particle inspection	Industrial Area (St. No.43) Main Lab
NDT	ASME Section V	Ultrasonic test -Welding	Industrial Area (St. No.43) Main Lab
NDT	ASTM C805	Standard Test Method for Rebound Number of Hardened Concrete	Field Test
NDT	ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	Field Test
NDT	ASTM D4945	Standard Test Method for High-Strain Dynamic Testing of Deep Foundations	Field Test
NDT	ASTM D5882	Standard Test Method for Low Strain Impact Integrity Testing of Deep Foundations	Field Test
NDT	ASTM D6132	Standard Test Method for Nondestructive Measurement of Dry Film Thickness of Applied Organic Coatings Using an Ultrasonic Coating Thickness Gage	Field Test

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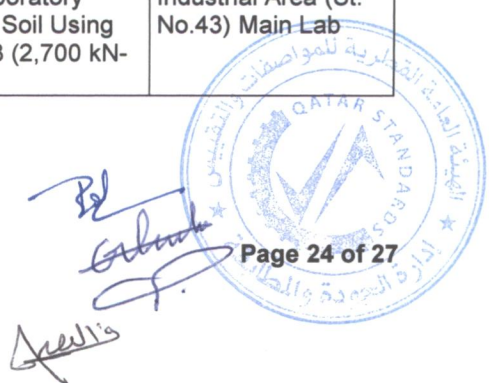
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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
NDT	ASTM D6167	Standard Guide for Conducting Borehole Geophysical Logging: Mechanical Caliper	Field Test
NDT	ASTM D6760	Standard Test Method for Integrity Testing of Concrete Deep Foundations by Ultrasonic Cross hole Testing	Field Test
NDT	ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials	Industrial Area (St. No.43) Main Lab
NDT	ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials	Industrial Area (St. No.43) Main Lab
NDT	ASTM G62	Standard Test Methods for Holiday Detection in Pipeline Coatings	Industrial Area (St. No.43) Main Lab
NDT	BS 1881-204	Testing concrete. Recommendations on the use of electromagnetic covermeters	Industrial Area (St. No.43) Main Lab
NDT	BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas 0 Design requirements, type testing, marking, quality control	Industrial Area (St. No.43) Main Lab
NDT	BS EN 12504-4	Testing concrete. (Determination of ultrasonic pulse velocity)	Field Test
NDT	Internal Procedure	GRP Pipe Deflection test (Mandrel method)	Industrial Area (St. No.43) Main Lab
NDT	Microscope manual	Crack width measurement using microscope	Field Test
NDT	NT BUILD 492	Chloride migration test	Industrial Area (St. No.46) Main Lab
Paint	ASTM C1353	Standard Test Method for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic Using a Rotary Platform Abraser	Industrial Area (St. No.43) Main Lab
Paint	ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser	Industrial Area (St. No.43) Main Lab
Soil	ASTM C702	Standard Practice for Reducing Samples of Aggregate to Testing Size	Industrial Area (St. No.43) Main Lab
Soil	ASTM D1140	Standard Test Methods for Determining the Amount of Material Finer than 75- μ m (No. 200) Sieve in Soils by Washing	Industrial Area (St. No.43) Main Lab
Soil	ASTM D1196	Standard Test Method for Non-repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements	Field Test
Soil	ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method	Industrial Area (St. No.43) Main Lab
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))	Industrial Area (St. No.43) Main Lab

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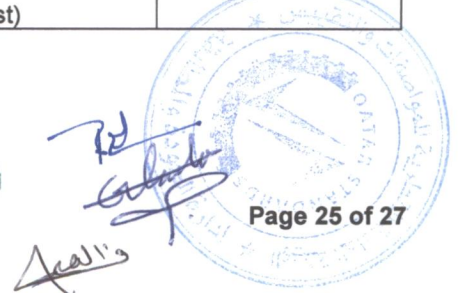
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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Soil	ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils	Industrial Area (St. No.43) Main Lab
Soil	ASTM D2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	Industrial Area (St. No.43) Main Lab
Soil	ASTM D2419	Standard Test Method for Sand Equivalent, Value of Soils and Fine Aggregate	Industrial Area (St. No.43) Main Lab
Soil	ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	Industrial Area (St. No.43) Main Lab
Soil	ASTM D2488	Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)	Industrial Area (St. No.43) Main Lab
Soil	ASTM D3282	Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes	Industrial Area (St. No.43) Main Lab
Soil	ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	Industrial Area (St. No.43) Main Lab
Soil	ASTM D4429	Standard Test Method for CBR (California Bearing Ratio) of Soils in Place	Field Test
Soil	ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	Industrial Area (St. No.43) Main Lab
Soil	ASTM D4944	Standard Test Method for Field Determination of Water (Moisture) Content of Soil by the Calcium Carbide Gas Pressure Tester	Industrial Area (St. No.43) Main Lab
Soil	ASTM D6913	Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	Industrial Area (St. No.43) Main Lab
Soil	ASTM D6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	Industrial Area (St. No.43) Main Lab
Soil	ASTM D7830	Soil- Non nuclear Density Gauge	Field test
Soil	BS 1377-1	Methods of test for soils for civil engineering purposes. General requirements and sample preparation	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-2	Methods for test for soils for civil engineering purposes. In-situ tests – Clause 3 Moisture Content	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-2	Methods of test for soils for civil engineering purposes. Classification tests Clause 5: plasticity index CL 4 Liquid Limit	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-2 Section 8	Methods of test for soils for civil engineering purposes. Classification tests- (Section 8 Particle density Test)	Industrial Area (St. No.43) Main Lab

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Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Soil	BS 1377-2 Section 9	Soil Sieve Analysis/Mat finer than 63 microns	Industrial Area (St. No.43) Main Lab
Soil	BS 1377	Methods of tests for soils for civil engineering purposes: Compaction related tests- Section 3 Determination of Dry Density/Moisture Content/Correction of unit weight	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 3	Water quality. Physical, chemical and biochemical methods. Determination of sodium and potassium: determination of sodium and potassium by flame emission spectrometry (Organic Matter Content in Soil)	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 5.2	Acid Soluble Sulphate content in soil	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 7.3	Water quality. Physical, chemical and biochemical methods. Determination of sodium and potassium: determination of sodium and potassium by flame emission spectrometry (Acid Soluble Chloride content in soil)	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3	Methods of test for soils for civil engineering purposes. Chemical and electro- chemical tests – Clauses 7.3.2.– 7.6. Sample preparation clause 7.2.3	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 8	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical testing (pH in soil/groundwater)	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3	Methods of test for soils for civil engineering purposes. Chemical and electro- chemical tests – Clause 9.2	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 11.0	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical testing (Total Dissolved Solids)	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-4	Methods of test for soils for civil engineering purposes. Compaction-related tests Section 7: California Bearing Ratio test	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-9	Methods for test for soils for civil engineering purposes. In-situ tests (Non Repetitive Plate load test)	Field Test
Soil	BS 1377-9	Methods for test for soils for civil engineering purposes. Clauses 2.1 & 2.2 - In-situ tests Field Density (Sand Replacement)	Industrial Area (St. No.43) Main Lab

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

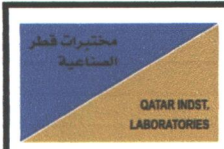
3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Soil	BS 1377-9	Methods for test for soils for civil engineering purposes. In-situ tests – Clause 2.5 In-situ Density Test (Nuclear Method)	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-9	Methods for test for soils for civil engineering purposes. In-situ tests: (Clause 4.1 Plate load test)	Field Test
Soil	BS 1377-9	Methods for test for soils for civil engineering purposes. In-situ tests – Clause 4.3 Field CBR	Industrial Area (St. No.43) Main Lab
Soil	BS 1924-2	Hydraulically bound and stabilized materials for civil engineering purposes. Sample preparation and testing of materials during and after treatment (Method of Test for Cement Stabilized Materials CL 1.3.3, 1.3.7, 1.4.4, 1.4.5, 1.4.6, 2.1.4, 3.1 & 4.2)	Industrial Area (St. No.43) Main Lab
Soil	BS EN 933-8	Tests for geometrical properties of aggregates. Assessment of fines. Sand equivalent test	Industrial Area (St. No.43) Main Lab
Steel	ASTM A370	Standard Test Methods and Definitions for Mechanical Testing of Steel Products	Industrial Area (St. No.43) Main Lab
Steel	ASTM A615	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification	Industrial Area (St. No.43) Main Lab
Steel	ASTM A706	Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement	Industrial Area (St. No.43) Main Lab
Steel	BS 4449	Testing of Carbon steel bars for tensile and Rebend test	Industrial Area (St. No.43) Main Lab



SECTION 3

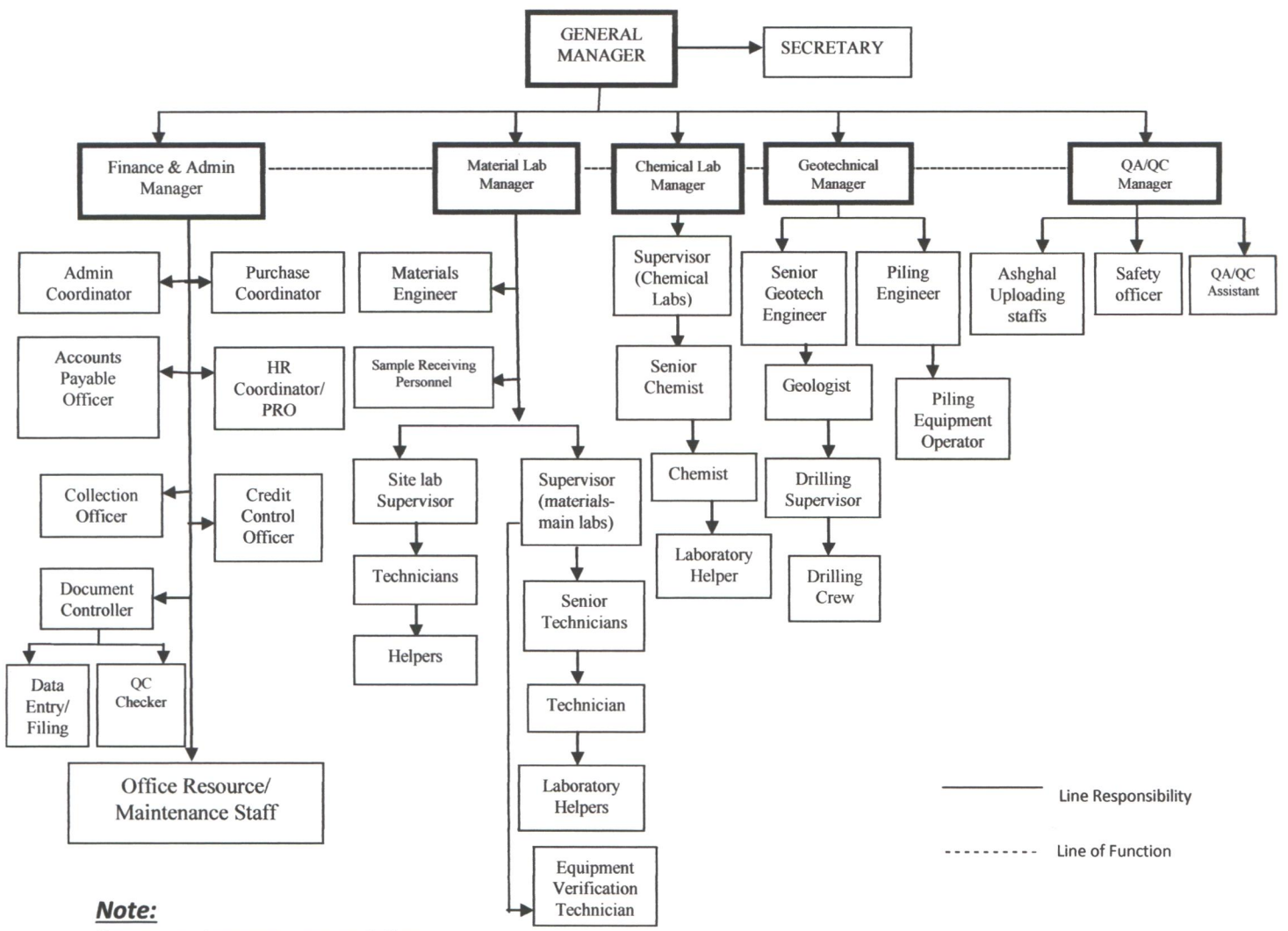
ORGANIZATION



Qatar Industrial Laboratories

Document No.	QM/01
Issue No.	01
Date	15-06-2020

Annexure 3- Organization Chart



————— Line Responsibility
 - - - - - Line of Function

Note:
Deputy assignments are as follows:

FUNCTION	DEPUTY/IES
General Manager	Geotechnical Manager / Laboratory Manager
Laboratory Manager	Lab Supervisor / Material Engineer
Quality Manager	Laboratory Manager

Prepared By 	Approved By 	Issued By 	Page 1 of 1
Mr. Rafique Shaikh	Mr. Hassan El Zein	Mr. Rafique Shaikh	
Quality Manager	General Manager	Quality Manager	
Amendment No. → 00	Amendment Date → ==		

Qatar Industrial Laboratories, W.L.L.

KEY PERSONNEL

The staff of Qatar Industrial Laboratories consists of highly qualified and experienced quality control, geotechnical, geological, chemical, material & piling personnel in addition to the highly experienced and trained laboratory technicians, drillers and chemists. A summary of the Key Personnel names, position, qualification and respective department is given below:

Name	Qualification	Job Description	Department
Hussein Barhoma	B.Com	Finance & Administration Manager	Finance & Administration
Fasee Ahmed	M. Tech.	Geotechnical Manager	Geotechnical
Syed Mahmood	B.Tech.	Lab Manager	Material
Shaikh Rafique	B.Sc Ind.Chemistry	QA/QC Manager	Quality Assurance / Quality Control
Ubaid Ullah	M.Sc Geology	Sr. Geologist	Geotechnical
Fadi Turkmeni	B..Sc.in Geology / Geophysics	Sr. Geotech. Engineer	Geotechnical
Nishfar	M.Sc Geology	Sr. Geologist	Geotechnical
Michael C.Aspa	B.Sc.Civil Eng.	Engineer	Pile Testing
Jose Isidro Roperro	B.Sc.Civil Eng.	Engineer	Material
Athul Reddy	B.Tech.	Engineer	Material
Abdul Sameer	B.Tech.	Engineer	Material
Syed Yousuf	B.Tech.	Engineer	Material
Kunhamad Ayankadi	B.Com	Lab Supervisor	Soil/Agg/Steel
Chaminda Bhandara	Higher Secondary	Lab Supervisor	Concrete
Shokat Ali	Higher Secondary	Lab Supervisor	Asphalt
Jerry Geli	B.Sc. Chemical Eng.	Lab Supervisor	Chemical
Ahmed Ibrahim	B.Sc. In Mining and Petroleum Engineering	Engineer	NDT / Material
Ajay Mohandas	Higher Secondary / ASNT Level-II	Senior Technician	NDT / Material

SECTION 4

QUALITY, HEALTH, SAFETY & ENVIRONMENT



HSE POLICY

Qatar Industrial Laboratories

Document No.	Q-HSEP-01
Issue No.	02
Date	02/11/2021

Page 1 of 1

HSE POLICY STATEMENT

Its QIL's policy to perform all its activities in such a manner as to provide a safe, healthy and environment friendly work place, protecting its personnel, clients personnel and property as well as members of the general public, who may be affected by the company's activities from risks inherently connected to the company's work as much as practically possible.

Since it is the company's policy that implementation of the HSE policy is a line management responsibility, all Department heads and the senior personnel are charged to comply with the company's HSE policy. The company's HSE personnel shall ensure this compliance.

The company firmly believes that no part of its business objectives can be carried out effectively and successfully if not performed safely. HSE issues are therefore treated with the same status and importance as other business objectives. Q.I.L. considers the goal of HSE protection as a principle duty and responsibility of all members of line management and requires their active participation in all aspects designed to provide protection and reduce exposure to HSE risks.

General Manager
MR. Hassan El Zein

Reviewed on : 02/11/2021

MASTER

QUALITY MANAGEMENT SYSTEM

- Qatar Industrial Laboratories has established, documented, implemented and maintains a Quality Management System in accordance with the requirements of ISO 17025:2017. The company strives to continually improve the effectiveness of its Quality Management System as required by these International Standards.
- The documentation structure of the quality system is provided in 4 tiers as shown below:



The quality plan describes the overall planned arrangements of the existing quality system as required under international standard ISO 17025:2017.

Technical Manager / Lab Coordinator is responsible for:

- Quality control / verification of the testing activities,
- Submitting samples for proficiency testing
- Uncertainty of measurement,
- Controlling testing by way of documented Standard Operating Procedure / testing methods,
- Review and approval of test reports

Technicians performs routine activities.

Quality Control / Verification

Following cares are taken during testing of samples to control the quality of testing:

- Testing is performed as per the documented test methods given in relevant BS / ASTM / APHA / AWWA / Equipment Manufacturer / Other International Standards,
- Accommodation and environment is checked on daily basis and records are maintained for the same.
- All the readings of testing are noted and same are reported to conforms the validity of the test results,
- Reviewing the results of samples tested,
- Ensuring the validity of equipment,
- All the results of the testing of the samples are compiled and are reviewed by Technical Manager / Supervisors to ensure the validity of testing.
- If any problem is found during the analysis, then the same is investigated and necessary corrective actions are identified and taken.

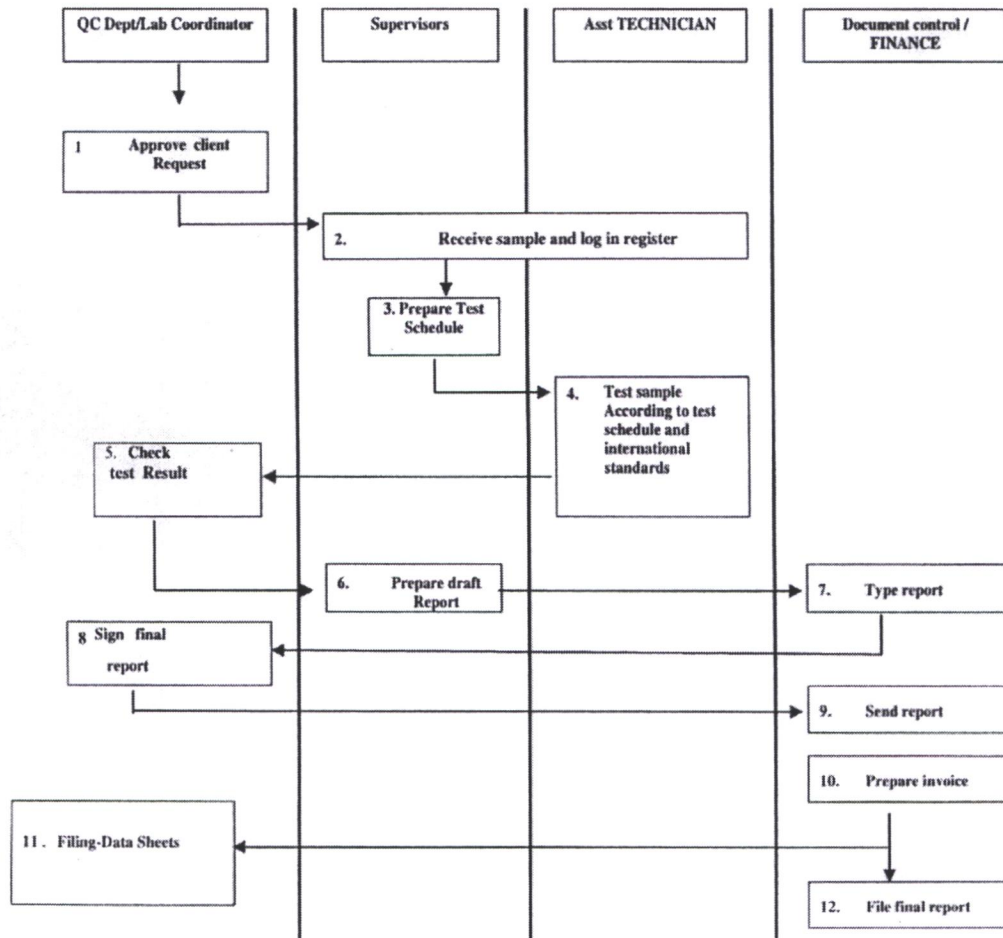
The following techniques are used as a part of quality control to ensure control on the testing quality performed by the laboratory:

- Re-testing of samples for five times and calculation of Uncertainty of Measurement,
- Re-testing of retained samples for the identified parameters by the Technical Manager,
- Verification with other ISO/IEC 17025:2017 accredited laboratory (Inter laboratory comparison),
- Proficiency testing from external International Bodies.



Qatar Industrial Laboratories W.L.L

Testing process in QIL as per QMS :



SECTION 5

SERVICES PROVIDED

QIL SERVICES

The services provided by Q.I.L may be summarized as follows:

- A. Site & Geotechnical Investigation
 - Onshore
 - Offshore
 - Pile Testing
- B. Materials Testing
- C. QA/QC
- D. On site Lab testing

A. Site & Geotechnical Investigation

Qatar Industrial Laboratory maintains modern drilling and soil-rock sampling equipments designed for site investigation purposes. Equipment for geophysical studies are also available at QIL lab.

The scope of services of the site and geotechnical investigation department are:

1. Drilling, sampling, field and laboratory testing.
2. Off-shore geotechnical investigation
3. geological survey
4. Geophysical studies.
5. Recommendations on geotechnical studies such as piles, special foundations, seismic studies etc.
6. Cavity , grouting and underground work.

Pile testing

Services include inspection of the static pile load testing for preliminary and production piles. Collection and analyses for Pile Integrity, Cross Hole, and Pile Dynamic Tests. Evaluation and preparation of test reports of material testing as per BS & ASTM standards.



Qatar Industrial Laboratories W.L.L.

Independent Geotechnical and Material Testing Laboratories

B. Material Testing

The material Testing covers a wide range of specialized services from routine testing of construction materials to microbiological testing and analysis of waste and drinking water. Special test are done for analysis of heavy metals using Atomic Absorption apparatus.

Modern field and laboratory testing equipments are available satisfying the British Standards(BS) or American standards (ASTM) in the field of concrete, bitumen and asphalt mixes , soil and rock, aggregate and stone, steel reinforcement, Geotextile, Water proofing membranes and building components, chemical analysis and water analysis and non-destructive testing. The scope of services is as attached.

C. QAQC

Qatar Industrial Laboratories are implementing a Quality Management System as per ISO/IEC 17025:2017 international standard. Various Quality control measures are taken to ensure control on the testing quality performed by the laboratory.

D. On site Lab testing.

Qatar Industrial Laboratories operates several site laboratories for major projects as per the requirement of the client. Various activities like Material and concrete testing; concrete Inspection, casting etc. are performed on site labs.

Attached is the list of major laboratory services provided by Qatar Industrial Lab.

SECTION 6

RESOURCES

Qatar Industrial Laboratories (Q.I.L) is registered by Qatar General Organisation for Standards & Metrology in the field of Geotechnical Soil Investigation and Physical, Mechanical and chemical testing of soil, aggregate, concrete, Asphalt materials and Steel and chemical testing of water.

1. MATERIAL

- Electronic Balance
- CBR Machine 50 kN
- Laboratory Oven
- Nuclear Density Gauges (Humbolt) /CPN
- Direct Shear Apparatus
- Los Angles Abrasion Machine
- Aggregate Impact Value machine
- Atterberg Limit Equipment (Cone Penetrometer/Casarade)
- Plate Load Test Apparatus
- Speedy Moisture tester
- Sand Equivalent Test Apparatus
- MDD Automatic compaction equipment
- Thermal Resistivity Apparatus
- Hydrometer Test Analysis Apparatus
- Permeability Apparatus

2. ASPHALT

- Stability and Flow machine(Marshall)
- Centrifuge Extraction machine
- Marshal Automatic Compactor
- Penetrometer
- Ring & Ball Apparatus (Softening Point)
- Marshal Ejector with hydraulic jack
- Bouyancy Balance table
- Marshall compaction mould
- Core cutting machine
- Casagrande apparatus
- Apparatus or Distillation of Cutback Bitumen

- Apparatus for distillation test for Emulsion
- Apparatus for Ductility
- GMM Apparatus (Rice Method)
- Softening point apparatus
- Apparatus for Flash point
- Apparatus to determine Loss of Heating
- Apparatus to determine solubility of Bitumen
- Viscosity of Emulsion (saybolt equipment)
- Centrifuge Extractor 3000gms
- Travelling Beam/Straight Edge
- Ignition oven for binder content
- Road profilometer

3. CONCRETE

- Compression Machine(Auto/2000/3000KN)
- Vernier Callipers
- Particle Density Jar
- ISAT Apparatus
- Flakiness /Elongation Apparatus
- Impact value Apparatus
- DIN 1048 Apparatus
- Water Absorption Apparatus
- RCP apparatus
- Coring machine with different size core barrels
- Digital Resistivity Meter
- Air meter
- Jolting Table with Prism Moulds
- Slump Test Apparatus
- Splitting Tensile Test Apparatus
- Rebound Hammer
- Flexural Test Apparatus
- Ultrasonic Pulse Velocity Apparatus
- Thermometers
- Concrete Covermeter(proceq),

- Crack width Detector
- Pull Off Adhesion Tester(Electrometer)
- Coating thickness Apparatus for concrete and steel
- Data Logger-M85
- Thermocouple
- Ultrasonic Pulse Velocity(pundit-proceq)

4. METAL

- Steel testing Machine - UTM - 1000 kN

5. CHEMICAL

- Conductivity,Salinity & TDS Instrument
- SPECTROPHOTOMETER DR 2010
- SPECTROPHOTOMETER DR 3900
- SPECTROPHOTOMETER DR 5000
- Hach COD Reactor meter
- DC Power Supply for RCP
- Distillation Unit (RO)
- Muffel Furnace
- Thermolyne Incubator
- BOD Apparatus
- COD Apparatus
- Potential Alakli Reaction Container
- Blain Apparatus for finess test
- pH apparatus
- Oil & Grease Apparatus
- Atomic Absorption Apparatus(Heavy metal analysis)
- Elcometer(coating thickness)
- Chloride Migration Test apparatus
- Soundness kit for Cement analysis
- Pull Out Apparatus

6. Geotechnical Dept. Equipment List

a. Rotary Rigs

1. DANDO
2. KLR Rig –D100
3. MAC 3.1
4. MAC 4.0
5. CME
6. GETECH CDTH30
7. GETECH CDTH 120
8. NEW KLR – CDT-30
9. PLANET-CDH-30

Note: All rigs are fully equipped with Disturbed/undisturbed sampling equipment, SPT sampler, rock coring equipment.

b. Rig for CPT, DCPT & CPTU - PAGANI – ITALY

c. Elastameter (Pressure meter test)

d. Digital Earth Tester(soil resistivity)

e. GPS (locate coordinates on site)

f. Packer Test(Single +Double)

g. Depth meter(Cable locator)

7. Pile testing apparatus

- Cross Hole Sonic Logging
- Pile Dynamic
- Pile Integrity
- Caliper logging

Note: calibration certificates for Equipments will be available on request.



MAC DRILL

Equipment Details: Truck Mounted Mobile Rig, Flat Bed Truck. Drilling Unit powered by Diesel Engine with single Drum Winch with Mechanical Break System connected with load chain and 8.0mtr Mast.(coring depth limited for max 50mtr.)



CPT

Dando – UK 2004



Equipment Details: Truck Mounted Mobile Rig, Flat Bed Truck. Drilling Unit powered by Diesel Engine with single Drum Winch with Mechanical Break System connected with 16mm dia. Wire rope and 8.8 Mtr.



Pile testing



NDT Equipment

Ultrasonic pulse-echo equipment

Electro magnet for-MPI

Penetrants-Dye Penetratin Test

SECTION 7

MAJOR PROJECTS & CLIENTS LIST

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
CEG INTERNATIONAL	GEOTECHNICAL INVESTIGATION FOR PROPOSED MARINA RESIDENTIAL TOWER (3B+G+22) PIN 69060030	Oct-21
QATAR PETROLEUM(DK)/Qatar Kentz	Geotechnical Investigation Survey works for FEED for Dukhan Production Facilities Upgrade- Phase 1B In Dukhan from Qatar Petroleum	Oct-21
QATAR PETROLEUM /TECHNIP ENERGIES	Geotechnical Investigation Survey works for Geotechnical Investigation Works for New Diesel Engine Driven 3.3KV Emergency Generator Sets from Qatar Petroleum at Refinery Mesaieed.	Oct-21
ZAIN PAPER INDUSTRY FACTORY W.L.L.	Geotechnical Investigation for Zain Paper Industry Factory at Mesaieed Industrial Zone at Mesaieed, State of Qatar.	Sep-21
DG JONES AND PARTNER	Geotechnical Investigation For Design , Construct Operate and Maintain (DBOM) The New Land Fill Project, State of Qatar	Sep-21
QATAR PETROLEUM /KENTZ ENGINEERING	Geotechnical Investigation Survey works for FEED for Dukhan Production Facilities Upgrade- Phase 1B In Dukhan from Qatar Petroleum.	Sep-21
NEW NOOR CONTRACTING AND TRADING CO. W.L.L	Geotechnical Investigation For 132/11 KV AL LUQTA Sub-Station	Sep-21
NEW NOOR CONTRACTING AND TRADING CO. W.L.L	Geotechnical Investigation For 132/11 KV GHARRAFAT AL RAYYAN Sub-Station	Sep-21
LARSEN & TOUBRO LTD.	Geotechnical Investigation for OHL Package M5 route Al Jiffara / Al Zubara, State of Qatar.	Sep-21
AL JABER ENGINEERING	GEOTECHNICAL INVESTIGATION @ DOHA WEST-DW012 , ROADS & INFRASTRUCTURES IN BU SIDRA & FEREEJ AL MANASEER , State of Qatar.	Aug-21
QATAR BUILDING COMPANY (QBC)	Geotechnical Investigation for ROADS AND INFRASTRUCTURE IN DOHA INDUSTRIAL AREA - PACKAGE-7 FOR IC-2-BRIDGE PIER 2 LEFT, State of Qatar.	Aug-21
CCRC	Geo-environmental Investigation on Al Hewar Petrol station.	Jul-21

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
DOHA GROUP TRADING & CONTRACTING (DGC)	Geotechnical Investigation at Plot E07, Energy city Lusail , State of Qatar.	Jun-21
AL-JABER ENGINEERING	Geotechnical Investigation for NEW KENNEL FACILITIES at Zone 28 in ISF , State of Qatar.	Jun-21
TRUST ENGINEERING	Geotechnical Investigation Works for The SHEIKHA MOZA BINT MOHAMMED CENTRE FOR KUR'AN and DA'WAH at Al Waab Area , State of Qatar.	May-21
Parsons International Limited	Geotechnical Investigation for Link Roads adjacent to Al-Khor Expressway	May-21
B MZP	Geotechnical Investigation for Flora Gardens At Pearl Qatar , State of Qatar.	Apr-21
QATAR PETROLEUM/TOTAL SOLAR INTERNATIONAL	Geotechnical Investigation for Large Scale PV Solar Plant at Raslaffan Industrial City (RLIC) , State of Qatar	Apr-21
QATAR PETROLEUM/TOTAL SOLAR INTERNATIONAL	Geotechnical Investigation for Large Scale PV Solar Plant at Mesaieed Industrial City (MIC) , State of Qatar.	Apr-21
DOHA-QATAR	Geotechnical Investigation for OHL Package – Route M-2, State of Qatar.	Apr-21
ASHGHAL/ AL-JABER ENG.	Geotechnical Investigation for CONSTRUCTION OF WEST BAY NORTH DEVELOPMENT PARK AND ROADS , A-RING TO C-RING ROAD PEDESTRIAN CONNECTIVITY ROUTES at Zone-14, 24 AND 25 State	Mar-21
GHARNATA CONSULTANT ENGINEERS	Geotechnical Investigation for Aspire Zone in Rayyan Area, State of Qatar.	Mar-21

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
ASHGHAL/UCC-INFRA	Geotechnical Investigation for Design & Build Contract for Wakrah and wukair TES LINE	Mar-21
UBT JV (UCC-BAHADIR –TEDESCHIA JV)	Geotechnical Investigation for Gantry Signs at Landside Highway, State of Qatar	Jan-21
POWER CHINA	Geotechnical investigation for 33/132 KV FACILITY SUBSTATION, State of Qatar	Jan-21
UBT JV (UCC-BAHADIR –TEDESCHIA JV)	Geotechnical Investigation for Fire Water Storage Tanks (E-2215), State of Qatar	Dec-20
CEG	Geotechnical Investigation for Awqaf Residential Buildings, Plot No. RES/M1 at Foxhills Lusail, State of Qatar	Dec-20
QP/DOPET	Geotechnical investigation for EPIC of Facilities for Gasoline Supply and Upgrade of QPR truck loading facilities for FIFA 2022	Dec-20
AL ALI INTERNATIONAL	Geotechnical investigation for Desgn & Build Lusail Security Complex, State of Qatar	Nov-20
ASHGHAL/ PARSONS	GEOTECHNICAL INVESTIGATIONDEVELOPMENT OF ROADS & INFRASTRUCTURE IN NORTH SMISMA - DN120	Nov-20
QP/SIBYLLINE	Geotechnical investigation for Station SR2 Access Road Improvement Works at Mesaieed , State of Qatar	Oct-20
Qatar Petroleum/Qatar Kentz	Geotechnical investigation for MIC Corridor (Pipe Rack and Road), Mesaieed , State of Qatar	Oct-20
AL MUNTASSER CONTRACTING & TRADING	Geotechnical investigation of Store at Static lab Zone-11 for Design & Build for Construction of Document Store & Modification of Warehouse & Workshop at Asset Affairs Salwa Office, State of Qatar.	Jul-20
SINOHYDRO	Geotechnical Investigation for Solar Project, State of Qatar.	Jun-20

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
Qatar Petroleum/Qatar Kentz	Geotechnical Investigation campaign and reporting for the project scope is carried out in two stages/ phases, the first phase includes the New Tank Farm and Gantry area	Sep-20
POWER CHINA	Geotechnical Investigation for Al Kharsaah 800.15 MW SOLAR PHOTOVOLTAIC , Administration Building & Ware House , State of Qatar	Feb-20
QBEC	Geotechnical Investigation for Building at New Salata , State of Qatar.	Feb-20
Qatar Petroleum/Qatar Kentz	Geotechnical investigation for Provision of facilities for securing Gasoline supply for FIFA 2020 at Mesaieed , State of Qatar.	Jan-20
LARSEN & TOUBRO LTD.	Geotechnical Investigation for 66/11 kV AL Sadd-02 & Alfroosh	Aug-19
JAMES CUBITT & PARTNERS	Geotechnical investigation for Parks	Aug-19
INSHA ICT	GEOTECHNICAL INVESTIGATION AT MIXED USED BUILDING	Aug-19
HILL INTERNATIONAL	GEOTECHNICAL INVESTIGATION AND TOPOGRAPHICAL SERVICES FOR LUXURY HOTEL & MIXED USE DEVELOPMENT PLOT 01 VIVA BAHRIYA , THE PEARL ,	Jul-19
UCC-INFRARED JV	Roads & Infrastructure in west Muaither	May-19
PARSONS INTERNATIONAL	Geotechnical Investigation for Traffic Impact Study Design and Tendering Services at Al Khor Industrial Area	Apr-19
PARSONS INTERNATIONAL	Geotechnical Investigation for AL RUWAIS LOGISTIC SITE	Apr-19
ASHGHAL	Geotechnical Investigation for Roads and Infrastructure in South Of Wadi Lusail	Jan-19
WOQOD	Geotechnical Investigation for Woqod Petrol Station at 7 Locations	Jan-19
QCHEM	Geotechnical investigation for The 6th Furnace project	Feb-19

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
PARSONS INTERNATIONAL	Geotechnical Investigation for DP/58:Floresta Gardens	Feb-19
Galfar Al Misnad Engg. Contg.W.L.L	Geotechnical Investigation for QP Bul Hanine RE-Development ,Phase-1B Halul island	Dec-18
LARSEN & TOUBRO LTD.	Geotechnical Investigation for 66/11 Kv Khalifa Town South -01 & Aldaayen-02 Substation	Oct-18
AL JABER ENGG & TEKFEN	Geotechnical Investigation for Energy Centre and Client Office at Al Thumama Stadium and Precinct	Aug-18
UCC-INFRARED JV	Geotechnical Investigation for PJ009-QS036-P01 ROADS AND INFRASTRUCTURE SOUTH OF WUKAIR, PACKAGE-01 , State of Qatar.	Aug-18
AL MUNTASSER	Geotechnical Investigation for Service Hubs at Manateq Logistic Park	Jul-18
LARSEN & TOUBRO LTD.	Geotechnical Investigation for 132/11 kV AL MASHAF-02 & WUKAIR-08 Substations	Jul-18
United Construction Establishment WLL	Geotechnical Investigation for 'Rising Main Pipe Line' from pumping station site to Doha North plant	Jul-18
AL JABER ENGG	Geotechnical investigation for Al Rayyan Stadium Support Works	Jun-18
AECOM Middle East	Geotechnical investigation for Bus Infrastructure Study, Design and Construction Supervision Services	Jan-18
AECOM Middle East	Geo-Environmental Investigation for Roads and Infrastructure Works in North Al wukair- QS049	Jan-18
DOGUS INSAAT TIC	Cavity Probing at Al Rayyan Road Project	MAY-17
PUBLIC WORKS AUTHORITY (ASHGHAL)	Geotechnical Investigation for Road A-Al Khor Street Extension (QN006)	FEB-17
JAMES CUBITT & PARTNERS ENGG.CONULTANCY	AL Mamoura-Park-01 And Park -02	FEB-17
PRAS QATAR LLC	New Beach Villa In Al Mamlahageotechnical Investigation For New Beach Villa In AL	JAN-17
NCC-National Contracting Co.LTD	132/33 KV Al Bidda Metro Substation And Multi-storey Car park Building	JAN-17



QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
AL JABAR AND PARTNERS W.L.L	Construction And Upgrading of Infrastructure of Al Muntazah Street Extension And Construction of Ashghal Road Behind Barwa Commerical Avenue(P012)	DEC-16
EZDAN HOLDING GROUP	Geotechnical Investigation At Katara	DEC-16
GALFAR AL MISNAD ENGG. & CONT.W.L.	Geo-Environmental And Geotechnical -Al Wakrah Logistic City parcel-A	NOV-16
CONSOLIDATEDCONTRACTORS GROUP S.S.L.&	Epic For Hla Jet A-1 Supply Project At Station -C-02,Manifold Station ,JFTF-RLIC	SEP-16
ECG ENGINEERING CONSULTANT GROUP S.A.	Fifa Training Sites At Doha Golf Club,Cluster -02&Qatar University ,Cluster-03	AUG-16
CRC DORRA GROUP	Proposed Residential Compound at BU Sidra,Al Rayyan	JULY-16
WOQOD	For Woqod Fuel Station At New Slata	JUN-16
GALFAR AL MISNAD ENGG. & CONT.W.L.	Geotechnical -Al Waktah Logistic City Parcel-B	May-16
ASHGHAL	Geotechnical investigation work by Qatar Industrial Laboratories (QIL) for Local Roads & Drainage Projects, Contract-2 (Qatar South) Area 2, QS-036-South of Wukair,	JAN-15
ASHGHAL	Geotechnical Investigation for West Bay North Public Realm and Landscape Design Project , State of Qatar.	JAN-15
ASHGHAL	Geotechnical Investigation for ACS Oryx 2 , Doha , State of Qatar.	JAN-15
AL JABER	Construction and upgrading of infrastructure of Al Muntaza street extension & Construction of Ashghal Road behind Barwa Avenue	JAN-15
ITC	Construction of two (2) Health Centres	JAN-15
ALYSJ JV	Gold Line Metro	JAN-15
QDVC	New Orbital Highway & Truck Route	JAN-15
ASHGHAL	QS-036	JAN-15

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
CGC	Geotechnical Investigation for Wedding Hall Complex at Al Wakra	JAN-15
L & T	Geotechnical Investigation for Rawdat at Khail 66/11kV Substation	JAN-15
HLG	NOH & Truck Route	NOV-14
ASHGAL/PARSONS	Geotechnical Investigation at DS006 - Roads & Infrastructure	NOV-14
ASHGAL/PARSONS	Geotechnical Investigation at DS 105-C762 D Line TSE Transmission Main and Pumping Station	NOV-14
EGEC	Geotechnical Investigation for the Design of the Admin Building of Circuit	NOV-14
QNCC	Limestone Quarry	OCT-14
WOQOD	Geotechnical Service for WOQOD fuel Station at Smeisma	OCT-14
QNCC	Limestone Quarry	OCT-14
Qatar Fuel(WOQD)	Messaieed Industrial Port	Sep-14
ASHGHAL/ATKINS	DW017-Rayyan East - Existing Utilities	Sep-14
ASHGHAL/PARSONS	DS129 Road & Infrastructure in South east of Al Wakrah	Aug-14
Al Khayyat Contracting	Sudanese/Palestine school at Abu Hamour	Apr-14
Al Hyundai Engineering	NPP/0035 Canal Excavation, Quay Walls , new Doha Port	Apr-14
Combined group	GI at AL KHEESA	MAR-14
SOLID GENERAL CONSTRUCTION	GI at peripheral surrounding rd. around New Qatar national museum, old salata	Feb-14
L& T	GI for 132/22 kv New doha Port and 14 other substations.	Feb-14
HBK CONTRACTING	GI Design & Const. for temporary steel bridge-E ring rd.& muntaza strt.	JAN-13



QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
L& T	GI for Gas interconnecting facilities project for Dolphine energy at RLC	JAN-14
Mott MAC Donalds	Domestic supply of Butane from NGL to QP refinery	july-13
MALTAURO-Impressa Construzioni	AL Udeid Project, Package -27	MAY-13
QAFCO	Monitoring Broewells at QAFCO-5	APR-13
Al Siddiqi Holdings	Hotel Development Project	MAR-13
REDCO Intenational	Soil Investigation CP/11-252 AQ1 and AQ2	MAR-13
REDCO International	Geotechnical Investigation for Stadium Project	June-13
ABS International	GI at consultancy services fro conceptual Design for fox hills, lusail.	March -13
Larsen & Toubro LTD	South STP-hill	Feb -13
Technip Middle East	GI at feed for heavy ends recovery and HP flare Tip replacement , Dukhan	Feb -13
Man Enterprises	GI at Qatar foundation, construction of oxygen park at education city	Sep-12
Buzwair group	Buzwair crusher	Sep-12
ECG/ECG	Geoteh Investat NGL project at mesaieed	Sep-12
AECOM	Geotechnical Investigations at Qatar Olympic committee,Farzan playground facilities	Aug-12
GALFAR AL MISNAD	EPIC for Access roads to beach house and tie in facilities within dukhan fields	Jul-12
Al Jaber partners	Construction and upgrading of infrastructure of Al Muntaza street and Ashghal road	Jul-12
HBK	Lusail development & Construction CP-06	may-12
Qatar engg & Construct.	GI at Gasal GSL-013-02-N2-PIPELINE BACKBONE	MAY-12

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
SIEMENS	Geotechnical Investigations at S/S Against Package S9&S10-Kahrama GTC 371D	APR-12
Buzwair Engg. Group	RLIC HELIUM FILLING AND LIQUID NITROGEN TRANSFILL FACILITY	FEB-12
ASHGHAL	Kindergarten at madina Khalifa north -Amna mahmoud al jeeda pin#(32170001)	APR-12
Laffan Refinery limited	Ground water monitoring wells at RLC	Feb-12
Qatar Petroleum	Grading for future downstream industries RLIC	11-Dec
L&T/ ASHGHAL	Qatar Power Transmissin system expansion -phase-10-substations	AUG-11
Buzwair Engg. Group	Pearl Villas on Plots FF1,2,6,7&8&9.	11-Jul
ASHGHAL	Soil investigation for 9 schools and 7 no. kindergarten	JUL-11
AL Muntazah Petrol Station W.L.L	Chemical Analysis of soil at Al Talib Petrol Station	Mar-11
DAMAC	Geophysical works at Piazza a lusail foxhills Phase 2.	Jan-11
QATAR FUEL (WOQD)	Pertrol station (Rahayya-Lehhdaira, Umm Theghaib	Jan-11
ORIENTS ENTERPRISES	Completion and Maintenance od Admin Bldg at Barzan camp Phase 1	Nov-11
ZUBLIN INTERATIONAL	Geophysical survey and cavity probing at South site utility tunnel Phase 3F	Dec-10
NAEL & BIN HARMAL HYDROEXPORT - QATAR	Geophysical survey & Geotechnical investigation : CP26/3 Doha & Rayyan Sewarage-HBK& West Abu Hamour are Phase 3.	Oct-10
GALFAR AL MISNAD	PWAGT CO58/08-09, South Sewage Treatment Works at Abu Hamour	JULy-10
NEW DOHA PORT PROJECT STEERING COMMITTEE	New Doha Port Project- Soil Investigation and environment and Hydrogeological Site Investigation	JULY-10
HYDER CONSULTING/ QATAR DIAR	Lusail External Arterial Roads Interchanges At Al-Khor Highway	JUN-10
BADAR CONTRACTING &TRADING	Construction And Maintenance Of Coast Guard Station At Ras Abrouq(Ph1)& Umm Bab(Ph2) For Asghal	MAR-10



QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
AL HUDA ENGINEERING WORKS	Contract No. GTC 06/153/Ed Const. Of New Operators Room in Refinery at Mesaieed	MAR-10
BIN OMRAN TRD	PWA/GTC/028/2008-09: Development Of Roads in South Khalifa, Zone 34-Contract RA 08/09 C 060G	MAR-10
ITCC	Ras Gas Warehouse Project	MAR-10
ZUBLIN INTERATIONAL	Utlity Tunnels, Qatar Foundation:Education City	Oct-09
SHAKER CONSULTANCY GROUP	Private Residence Villa.	Oct-09
TERNA QATAR L.L.C	Dewatering Design For Al Nasser St. Mail.	SEP-09
HYDER CONSULTING MIDDLE EAST	Concept Design For Roads/Infrastructures Phase1 Variation 2-Package 2B	Aug-09
HYDER CONSULTING	UPDA Ground Investigation Survey-Phase -1	July-09
KABAS CONTRACTING & TRADING	EPIC at Ras Laffan	MAY 09
AL HUDA ENGINEERING WORKS	Proposed Office Residential Bldg. (2B+G+7)	APR 09
CEG	Construction Of Halul Harbour Phase 3	MAR-09
QATAR PETROLEUM	Consruction Of 6 Monitoring Wells - Mesaieed	JAN-09
GULF CEMENT	Cement Packing Factory Mesaieed	JAN-09

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
United Construction Est. W.L.L. (UCE)	Roads and Infrastructure in Wakra West (Ph.2, Pkg.14) Package 02	current
Al Sraiya Trading and Contracting	Design and Build for Facelift Elevation for Zone 07 and Museum Street	current
Al Tawfeeq Contracting and Partners	Construction of Site-21 Al Wakra Bus Depot	current
UCC-Infraroad-Limak JV	D-Ring Road Improvement Works	current
Mirrikh Contracting WLL	House Connection Package - 1 Phase 1 Miscellaneous House Connection works (On Call Contract # OC-01/2020)	current
Khaled Projects Co.	RIW in Northern Area Phase 4A	current
DCRW-QBEC-JV	Roads and Infrastructure in South of Al Meshaf-Package-09	current
United Construction Est.	Roads and Infrastructure in Wakra West	current
Sacyr - Medgulf JV	Roads & Infrastructure in South of Al Meshaf Package 01	current
New Horizon Contracting & Maintenance WLL	SA034 RIW in Southern Area	current
AL-AALI INTERNATION	Lusail Security Complex	current
CDM Smith	PA 2019 C111G: Central Doha Corniche Beautification Project	current
UCC-Infraroad JV	Roads & Infrastructure in Al Mearad and Southwest of Muaither(Package06)	current
UCC-Infraroad JV	Road & Infrastructure in South of Al Meshaf-Package 03(QS049-P03)	current
Ramco Trading and Contracting Co. WLL	Residential Villa-93	current



QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
HYUNDAI ENGINEERING & CONSTRUCTION	Women Hospital Safety Improvement	CURRENT
INSHA COMPANY WLL	Construction of Fire Station No.6 At RAS LAFFAN	CURRENT
HBK CONTRACTING CO. WLL	Roads and Infrastructure in Bani Haja North ,Phase 1 & 2 Package -02	CURRENT
PETROSERV LIMITED	UMM AL Dome Improvement	CURRENT
AL SARH	RIW In Various Area of Greater Doha Phase 5	CURRENT

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
UCC	Design & Build Infrastructure ,Roads and Landscaping for'Ras Bufontas" Special Economic Zone	CURRENT
GALFAR AI MISNAD	design & Build of Siteworks and infrastructure for Al Wakra Logistics Park Phase -1(WLP-A)	CURRENT
FYAP	Doha Metro project	CURRENT
L&T	Al Wakra Bypass project	CURRENT
Daewoo Engg	NEW ORBITAL HIGHWAY & tuck route(po23)	CURRENT
CECC	Const. of Aquatic Fisheries res.(Al khor)	CURRENT
QGD RLS -JV	Doha Metro Red line South	CURRENT
QDVC-BIN OMRAN	NEW ORBITAL HIGHWAY2	CURRENT
CNBM	Al Khaleej cement um Baab	CURRENT
ALEC/GCC	Doha festival City	CURRENT
Shapoorji Pallonji	SE car park for Qatar Foundation & education City	CURRENT
United Construction(UCE)	Enabling works for Health @ Wellness centre Qatar Foundation	CURRENT
SOLID GENERAL CONSTRUCTION	PERIPHERAL & SURROUNDING ROADS AROUND NEW QATAR NATIONAL MUSEUM	CURRENT
TOYO-THAI COMPANY	RAF/A2/DESALINATION PLANT.	CURRENT
ICGM	Al Udeid Project	CURRENT
QATAR PETROLEUM / ETIMAAD QATAR LLC	EPIC OF NEW LGO TANK (2114F1) & UTILIZATION OF LC TANK (2145FA)	CURRENT
UDC	TPQ- PEARL QATAR	CURRENT

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
CCC/TCC JV	DOHA PORT PROJECT	CURRENT
CCC/TCC JV	Lusail Multipurpose Sport Hall (LMH 2)	CURRENT
Gulf contracting	EPIC for Automation upgrade, Dukhan	CURRENT
QD-SBG	ISF Camp at Duhail	CURRENT
QD-SBG	QPR-Dukhan Road (East Contract)	CURRENT
QBS	Roads and Infrastructure in Rawdat Abal Heeran MMUP, Ph2 Pkg8 (DW015 – Package 1)	CURRENT
Qatar Power	monitoring wells at ras laffan	CURRENT
ITCC	Construction OF 10 NO. New kindergarten	CURRENT
LARSEN AND TOUBRO LIMITED	QATAR POWER TRANSMISSION SYSTEM PHASE-10	CURRENT
DIPLOMAT N.C.C	QATAR PETROLIYAM MeSSAIED	CURRENT
Tekfen Qatar	Const.of primary routes, north road project	CURRENT
WJ Groundwater	IBQ/Qatar Airways Accomodation-chem analysis	CURRENT
CONTRACK INTERNATIONAL	FY 08 AL UDEIED AIR BASE	CURRENT
ASHGHAL /HBK	DOHA AND RAYYAN SEWERAGE PUMPING STATION.	CURRENT
Man Enterprisse	Oxygen park, qatar foundation	CURRENT
Al Jaber trad.& Contr.	EPIC For Joint Forces, government and Coast Guard Telecom building at Ras Laffan.	CURRENT
BETON W.L.L	Lusail project	CURRENT

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
POWERMAN INTRL.	MAINTENANCE OF ROADS WITHIN DOHA MUNICIPALITY	CURRENT
Sinohydro Engg	DOHA EXPRESSWAY PACKGE-06	CURRENT
Qatar Quarry/China Harbour	New port project	CURRENT
Unicorp(Bemco Mabani)	South Car park-Qatar Foundation	CURRENT
AMMICO CONTRACTING CO.	NEW JETTY NGL AT GSF MESAIEED	CURRENT
Terna Qatar/Parsons	North east underground car park	CURRENT
Gulf contracting	Barzan onshore project package2	CURRENT
ZubLIN INTERNATIONAL	NDIA 3201-warehouse facilities	CURRENT
Imperial Trad & Contr.	Materail Test at Ras Gas AKG 1& 2 project	CURRENT
PROSPEROUS QATAR	Material testing at str.39, Old Ind. Area	CURRENT
RIZZANI De Eccher	BPC2 -Al Udeid	CURRENT
DOPET	NEW DOHA INTERNATIONAL AIRPORT	CURRENT
Target Marine	EPIC of privacy Breakwater wall at DWS Dukhan	CURRENT
GALFAR AI MISNAD	Chemical Analysis of drinking water-Head office-502	CURRENT
DARWISH ENGINEERING	Const. of nine new Kindergarten around Doha & in Villages-pack-4	CURRENT
MAN ENTERPRISES QATAR	NORTH & SITE INFRASTRUCTURE PRIORITY PACKAGE PROJECT.(NSIP)	CURRENT
AL JABER-MAKHLOUF CONTR.	New Diplomatic area Zone 66, West Bay	CURRENT

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
Q-CON	Barzan onshore project package2	CURRENT
SIX CONSTRUCTION /MIDMAC	NDIA, CP51/CP99	CURRENT
AL ATTIYAH CONTR. & TRAD.	AL KHOR PROJECT	CURRENT
BUTEK	CP69, NDIA	CURRENT
COMBINED GROUP	CONST. OF Rd & INFRASTRUCTURE PHASE II	CURRENT
COMBINED GROUP	LUSAIL DEVELOPMENT PROJECT /ASPHALT PLANT	CURRENT
COMBINED GROUP	NEW INDUSTRIAL AREA PHASE II	CURRENT
CCIC	G.S.F MESAIEED	CURRENT
CCIC	G.S.F DUKAHAN	CURRENT
DODSAL LTD.	COMMON COOLING WATER PROJECT PHASE #2 AT RAS LAFFAN	CURRENT
GULF CONTRACTING	NDIA, POTABLE WATER ANALYSIS	CURRENT
HOCHTEIF	BARWA PROJECT, POTABLE WATER ANALYSIS	CURRENT
HYUNDAI ENGG.	QAFCO 5 PROJECT	CURRENT
HYUNDAI RAS LAFFAN	IWP, RAS LAFFA, POTABLE WATER & LEAK TEST	CURRENT
JAN DE NUL/BOSKALIS	RAS LAFFAN PORT EXPANSION PROJECT	CURRENT
KETTANEH CONSTRUCTION (TAISEI)	DOLPHIN PROJECT, RAS LAFFAN/ RASABU FONTAS POWER STATION	PAST
MIDMAC CONTRACTNG	GEORGETOWN UNIVERSITY -Qatar Foundation	PAST

QATAR INDUSTRIAL LABORATORIES

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
HYOSUNG	EPIC FOR THE EXPANSION OF DWTP & 3NOS	PAST
GULF CONTRACTING CO.	C-1308 RAF A02 DESALINATION PROJECT	PAST
GEOSAN CONSTRUCTION DYNAMICS	ADVANCE MEDICAL RESEARCH CENTRE	PAST
GREEN TOP INTERNATIONAL	STERIALIZATION OF POTABLE WATER PIPELINES & TANKS FOR SUBSTATIONS	PAST
GREEN TOP INTERNATIONAL	QATAR POWER SUB STATION RAF -A	PAST
GULF CONTRACTING	DOHA WEST SEWERAGE TREATMENT PLANT	PAST
BILFINGER BERGER	ERC 1400/D20/C1/22 FEB AND AMIR STREET UPGRADE INTERCHANGE	PAST
BIN OMRAN	SALWA INTERN.HIGHWAY,94kms., DRAINAGE SERVICE DUCTS	PAST
BOOM CONSTRUCTION	BARWA AL KHOR DEVELOPMENT PROJECT	PAST
AL GHORAIRI & PARTNERS W.L.L.	EPIC OF FENCE AT RAS LAFFAN J/C	PAST
AL HUDA ENGINEERING	ROAD & BRIDGE FACILITIES - MESAIEED	PAST
AL JABER ENGG.	QAFCO-5 PROJECT JOB# 306	PAST
ASWAN TRADING & CONTRACTING	QATALUM PROJECT	PAST
Combined Group	MUSAIMER STREET PROJECT	PAST
ADCC	CP-11 NDIA	PAST
GALFAR AI MISNAD	Additional administration office building for central environment lab.	PAST
HBK	C-2010/082 Development of main roads in Zone-46	PAST

SECTION 8

CLIENT APPROVAL LETTERS



Sub-Contractor Approval Request

Document No. : PWA-RPD-CON-FM-0302

Revision No. : 04

Issue Date : 15 Jan. 2019

Project Details

Document No.: QS049-P09-DQC-CPR-REP-928 Rev. No: C00 Date: 07-June-2021

Project No.: IA 2019 C 026 G/ QS049-P09 Area: ROAD WORK

Project Title: ROADS AND INFRASTRUCTURE IN SOUTH OF AL MESHAF – PACKAGE 09

Contractor: DCRW-QBEC-JV GEC: DORSCH QATAR



We request the approval of the following Sub-Contractor to undertake the section of work identified in this submittal

Part 1 - Particulars of the Sub-Contractor

Company Name: M/s. Qatar Industrial Laboratories WLL

Address 1: Street No. 43, Gate No. 127,

Address 2: East Industrial Estate, Doha - Qatar

Address 3:

Address 4:

e-mail: qil@qilqatar.com

Telephone No: 44601580 | 44601484

Fax No: 44601739

Confirm that the following pre-qualification documents are enclosed (tick to conform)

- Covering Letters from the Contractor addressed to the Supervision Consultant proposing the Sub-Contractor
- Commercial Register
- Compliance Statement with Qatar standard specification requirements (QCS 2014 or latest updates)
- International quality certification (BS EN ISO and / or others) BSI Kite mark,
- Company Quality Manual / Inspecting and Testing Plans
- Summary of Experience
- Financial Status
- Details of work being undertaken in the Region
- Company Staff details / Management Structure
- Equipment owned by the Company
- Sub-Contractor included In Tender Submission
- Sub-Contractor is a GCC Company



Sub-Contractor Approval Request

Document No. : PWA-RPD-CON-FM-0302

Revision No. : 04

Issue Date : 15 Jan. 2019

Part 2 - Product Details

Section of
Subcontracted Work: 3rd Party Independent Laboratory

Discipline:

Bill of Quantities items to be supplied by the Subcontractor

- | | |
|--------|------------|
| (a) NA | BoQ Ref. : |
| (b) | BoQ Ref. : |
| (c) | BoQ Ref. : |
| (d) | BoQ Ref. : |

Part 4/3 - Contractor Authorized Representative

Name: MOSTAFA METWALLY
Signature: 
Position: PROJECT DIRECTOR
Date: 07/06/2021

Part 5 - GEC Recommendation Comments

To Contractor:

Please refer to attached notes.

SME - Hatem Alhamaidi
Dorsch Qatar

10 June 2021

- Action Code A : Can be recommended for Approval without any comments
- Action Code B : Can be recommended for Approval subject to corrections and/or comments attached
- Action Code C : Revised & resubmitted in accordance with the completion of corrections shown and/or comments attached
- Action Code D : Rejected



Name : SULTAN SHOMR, P.E
Signature: 
Position: SENIOR RESIDENT ENGINEER
Date: 12/06/2021

Part 6 - RPD Verification (if required)

Name :
Signature :
Position:
Date:



Document Review Comment Sheet

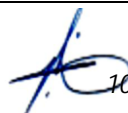
Document No. :	PWA-RPD-QM-FM-028
Revision No. :	04
Issue Date :	20 Jan. 2019

GEC/ Contractor:	Area/ Contract No.:	Contract Title:	
Dorsch Qatar / DCRW-QBEC JV	IA 2019 C 026 G / QS049-P09	Roads and Infrastructure in South of Al Meshaf- Package 09	
Document No.:	Document Title:	Transmittal No.:	Date of Submittal:
QS049-P09-DQC-CPR-REP-928-C00	<u>Prequalification Document:</u> Sub-Contractor: M/s. Qatar Industrial Laboratories – New Ind Area Scope: Materials Testing & Geotechnical site Studies	---	07 June-2021

Comm No.	Section Reference	Reviewer	Position	Comment	Category (R/S)	Response	Responder	Position
1	Info & details	HA	SME	Qatar Industrial Labs-QIL is proposed to carry out third party independent testing for construction materials and to conduct geotechnical studies. QIL holds valid QGOS registration certificate, and valid ISO 17025 (scope is detailed). They are also on Ashghal approved list of independent laboratories, and they have several previous approvals in Qatar.	N			
2	Requirements	HA	SME	1- QIL shall comply with QCS 2014 / Sec02 / PT. 10 requirements for independent third-party labs and related PWA circulars. 2- Sampling, testing, and reporting shall be carried out by qualified staff, and this shall be on a timely manner. Test reports shall be e- mailed directly to GEC once completed. 3- Test reports shall be uploaded by QIL to PWA Lastrada (LDTS) portal. 4- A monthly summary of uploaded reports to LDTS with their percentage shall be submitted or e-mailed to SC.	N			
3	Approved Scope	HA	SME	Only approved scope of sampling and testing as stated in the PWA tables can be carried out by QIL. Tests not on those tables will be disregarded and to be repeated in another approved lab.	N			
4	Calibration	HA	SME	Calibration of all lab equipment shall be maintained regularly.	N			

Abbreviations:

R – Required.
N – Note

 10 June. 2021

Status Code:

A – Approved.



Sub-Contractor Approval Request

Document No. :	PWA-RPD-CON-FM-0302
Revision No. :	04
Issue Date :	15 Jan. 2019

Project Details

Document No.:	DS016-P02-UCE-PRQ-D0C-0043	Rev. No:	C00	Date:	29-04-2021
Project No.:	PA 2019 C077 G	Area:	Wakrah West		
Project Title:	Roads and Infrastructure in Wakra West				
Contractor:	United Construction Est.	GEC:	Dorsch Qatar		




We request the approval of the following Sub-Contractor to undertake the section of work identified in this submittal

Part 1 - Particulars of the Sub-Contractor

Company Name:	Qatar Industries Laboratories (QIL)		
Address 1:			
Address 2:			
Address 3:			
Address 4:			
e-mail:	qil@qilqatar.com		
Telephone No:	44601484	Fax No:	44601739

Confirm that the following pre-qualification documents are enclosed (tick to conform)

- Covering Letters from the Contractor addressed to the Supervision Consultant proposing the Sub-Contractor
- Commercial Register
- Compliance Statement with Qatar standard specification requirements (QCS 2014 or latest updates)
- International quality certification (BS EN ISO and / or others) BSI Kite mark,
- Company Quality Manual / Inspecting and Testing Plans
- Summary of Experience
- Financial Status
- Details of work being undertaken in the Region
- Company Staff details / Management Structure
- Equipment owned by the Company
- Sub-Contractor included In Tender Submission
- Sub-Contractor is a GCC Company

	<h2>Sub-Contractor Approval Request</h2>	Document No. : PWA-RPD-CON-FM-0302
		Revision No. : 04
		Issue Date : 15 Jan. 2019

Project Details

Document No.: QS049-P01-SMC-CPR-REP-1818 Rev. No: C00 Date: 24 Apr 2021

Submission No. QS049-P01-SMC-CPR-REP-1818

Project No.: IA 2018 C037 G / C2019/51 Area: Qatar South

Project Title: Roads & Infrastructure in South of Al Meshaf Package 01

Contractor: Sacyr - Medgulf Jv. GEC: Dorsch Qatar LLC

We request the approval of the following Sub-Contractor to undertake the section of work identified in this submittal

Part 1 - Particulars of the Sub-Contractor

Company Name: **QATAR INDUSTRIAL LABORATORIES (QIL Lab)**

Address 1: Industrial area street no.43 gate #51

Address 2: P.O. BOX 10415, DOHA-QATAR

Address 3:

Address 4:

e-mail: qil@qilqatar.com

Telephone No: +974 4 601484/4601580

Fax No: +974 4601739



Confirm that the following pre-qualification documents are enclosed (tick to conform)

- Covering Letters from the Contractor addressed to the Supervision Consultant proposing the Sub-Contractor
- Commercial Register
- Compliance Statement with Qatar standard specification requirements (QCS 2014 or latest updates)
- International quality certification (BS EN ISO and / or others) BSI Kite mark,
- Company Quality Manual / Inspecting and Testing Plans
- Summary of Experience
- Financial Status
- Details of work being undertaken in the Region
- Company Staff details / Management Structure
- Equipment owned by the Company
- Sub-Contractor included In Tender Submission
- Sub-Contractor is a GCC Company



Part 2 - Product Details

Laboratory Testing

Section of Subcontracted Work: **(Pre-Qualification of Sub-Contractor M/s QATAR INDUSTRIAL LABORATORIES (QIL Lab) – Doha Sub-Contractor for 3rd Laboratory for Material Test of the Project QS049-P01 & PR-PS)**

Discipline: General

Bill of Quantities items to be supplied by the Subcontractor

(a)	BoQ Ref. :
(b)	BoQ Ref. :
(c)	BoQ Ref. :

Part 4/3 - Contractor Authorized Representative



Name:	Eng. Thami Alj	Position:	Contractor Representative
Signature:	 	Date:	24 Apr 2021

AI Meshaf Package1 Project.
 مشروع المشاف الحزمة 1

Part 5 - GEC Recommendation Comments

To Contractor:

- Action Code A : Can be recommended for Approval without any comments
- Action Code B : Can be recommended for Approval subject to corrections and/or comments attached
- Action Code C : Revised & resubmitted in accordance with the completion of corrections shown and/or comments attached
- Action Code D : Rejected

Name :	Engr. Abdul Salam Jafar	Position:	Senior Resident Engineer
Signature :	 	Date:	4/15/21

QS049 P01 GEC Project
 P.O. BOX : 23593
 ص.ب : 23593
 رقم هاتف : 5417

Part 6 - RPD Verification (if required)

Name :		Position:	
Signature :		Date:	

Madhu Nair

From: Marian Bagamaspad <pmis@ashghal.gov.qa>
Sent: Tuesday, May 4, 2021 10:52 AM
To: pmis@ashghal.gov.qa; Madhu Nair
Subject: PMWeb Workflow was approved: Online Submittals - QS049-P01-SMC-CPR-REP-1818 Rev C00



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تداولها يعرض مرتكبيها للعقوبة المنصوص عليها بالمادة (332) في قانون العقوبات رقم (11) لسنة 2004، ومخالفا لما نصت عليه المادة رقم (80) من قانون الموارد

A [document](#) has been Completed by Marian Bagamaspad.

Workflow Document Information:

- **Document type:** Online Submittals
- **Document Name:** QS049-P01 - Roads and Infrastructure in South of Al Meshaf - Package 01
- **Reference:** QS049-P01-SMC-CPR-REP-1818 Rev C00
- **Document Description:** Prequalification Documents for Sub-Contractor Approval Request of M/s. Qatar Industrial Laboratories (QIL Lab), Industrial Area Street No. 43, Gate No. 51, Doha, Qatar; Subcontractor for 3rd Party Laboratory of Material Testing.
- **Action Date:** 04-May-2021
- **Database Name:** PMWeb
- **Comments:** The submission is approved and no need to resubmit.

Click the Document hyperlink to open it for review.

PMWeb Workflow Administrator

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PMIS
Service Account for Share point

Public Works Authority



Contact Centre: 188
P.O Box 22188 Doha, Qatar
Email: pmis@ashghal.gov.qa
<http://www.ashghal.gov.qa>



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	<h2>Sub-Contractor Approval Request</h2>	Document No. : PWA-RPD-CON-FM-0302
		Revision No. : 04
		Issue Date : 15 Jan. 2019

Part 2 - Product Details

Section of Subcontracted Work: Third Party Laboratory for Testing and Geotechnical Studies

Discipline: Civil

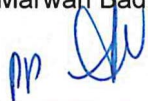
Bill of Quantities items to be supplied by the Subcontractor

(a)	BoQ Ref. :
(b)	BoQ Ref. :
(c)	BoQ Ref. :
(d)	BoQ Ref. :

Part 4/3 - Contractor Authorized Representative

Name: Marwan Badrieh

Position: Project Director

Signature: 

Date: 29-04-2021


Part 5 - GEC Recommendation Comments

To Contractor: Recommended for approval for only the test accredited in ASHGHAL approved test list

- Action Code A : Can be recommended for Approval without any comments T. Rombado.
- Action Code B : Can be recommended for Approval subject to corrections and/or comments attached
- Action Code C : Revised & resubmitted in accordance with the completion of corrections shown and/or comments attached
- Action Code D : Rejected

Name: Mostafa Mohamed Shamseldin

Position: Resident Engineer

Signature: 

Date: 11-May-2021

Part 6 - RPD Verification (if required)

Name :

Position:

Signature :

Date:



DOCUMENT TRANSMITTAL



Transmittal No: DN099-P03-ADE-KEO-TRM-00063

Revision: 01

Date: 25 August 2019

PROJECT NO. & TITLE : ROADS & INFRASTRUCTURE IN AL EBB & LEABAIB, PACKAGE 03, IA 2017 C 139 G
CLIENT : Public Works Authority
CONSULTANT : KEO International Consultant
CONTRACTOR : Al Darwish Engineering W.L.L

Designation	Action	Info
PD		
PM		✓
C.M. Utilities		✓
C.M. Road		
Micro Tunnel		
Technical Manager	✓	
Planning Manager		
QA/QC Manager	✓	
Commercial Manager		
NSE		
Traffic Manager		
Lean Lead		
ADE H.O		

Discipline

- Civil - HSE - Survey
 - Electrical - MEP - Environment - Other

Submittal Type :

- Bill of Quantities (BOQ) - Materials delivered to site (MDS) - Program (PGS)
 - Calculation (CAL) - Permit (PER) - Report (RPT)
 - Design Drawings (DWG) - Plan (PLN) - Schedule (SCH)
 - Manual (MAN) - Pre-Qualification (PRQ) - Shop Drawing (SHD) - Others
 - Method Statement (MST) - Procedure (PRO) - Specification (SPN)

1. SUBJECT DESCRIPTION :-

Pre-qualification of Qatar Industrial Laboratories
 (Third Party Testing Laboratory)

2. SUBMITTAL DETAILS

SN	DOC. REF. NO.	REV	DATE	DESCRIPTION	CONSULTANTS	
					COMMENTS	RECOMMENDATIONS
1	DN099-P03-ADE-PRQ-CV-00006	01	25-Aug-19	Pre-qualification of Qatar Industrial Laboratories (Third Party Testing Laboratory)		

Purpose of Issue:

- Information Approval Review and Comment Action

We Certify that the above document have been coordinated

CONTRACTOR: Name & Designation: Asaad Asaad, Project Director Signature & Date: [Signature] 25/8/2019

RECEIVED BY CONSULTANT NAME & SIGNATURE DATE:-

Corrections or comments made relative to submittals during this review does not relieve the contractor from compliance with the requirements of his Contract, drawings and specifications. This review is only in respect of general conformance with the design intent of the project and general compliance with the information given in the Contract documents. The contractor remains responsible, among other things, for the design of the project or such parts of the project he has design responsibility for (if design forms part of the Contract), for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner, all in accordance with the Contract.

3. CONSULTANT COMMENTS :

- Coordinates of sampling & Testing location shall be recorded on the test reports.
- All test reports shall be uploaded to QSD LASTRADA system timely.
- QIL is listed in PWA approved List.
- Approved to carry out only the tests mentioned in PWA List.
- Subject to compliance with all relevant standard in QCS 2014.

- A = No Objection
 B = No Objection Subject to Incorporation of all comments noted
 C = Rejected to be Resubmitted

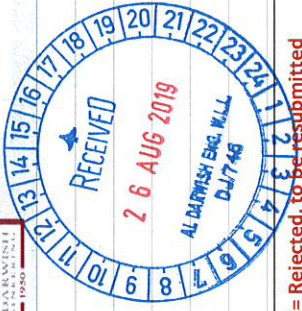
Signature [Signature] Date: 26/08/2019

RECEIVED BY CONTRACTOR NAME & SIGNATURE DATE:-



Review Comments Sheet (RCS)

Project Name: **Road and Infrastructure in Al Ebb and Leabaib Package 03**
 CS Ref. No.: **DN099-P03-ADE-MST-CV-00006 Pre-qualification of Qatar Industrial Laboratories + CS**
 Document Ref. No.: **DN099-P03-ADE-MST-CV-00006**
 Transmittal Ref. No.: **DN099-P03-ADE-KEO-TRM-00063**
 Document title: **Pre-qualification of Qatar Industrial Laboratories**
 Engineer in charge : **Ahmed Elkotb**




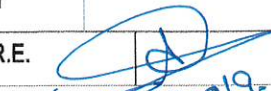
Review Response Code: B

A = No objection B = No Objection Subject to Incorporation of all comments as noted C = Rejected, to be resubmitted

S/N	Commented By:	Review Reference : (title /page /clause)	KEO Review Comments	Doc./Dwg. Reference:	Contractor's Reply	KEO Response: Sign-Off (Open/Closed)
1	AK		ADE to clearly identify Scope of Works for the proposed Lab as a third Party.		ADE is proposing all third party tests approved by Ashghal to QIL as per the enclosed latest ashghal vendor list. QIL shall carry out all the testing works required to be done by a Third Party Laboratory as per QCS 2014 and Project Specific Specification in the Project.	Closed
2	AK		ADE are advised to attached a copy from:- 1) Copy from PWA Vendor List. 2) Samples of Lab Test Reports. 3) International ISO Certificates 4) compliance statement with QCS2014. 5) ASHGHAL updated List of approved Tests to be done by the proposed Lab (third Party). 6) Equipment calibration Certificates.		Latest Ashghal approved laboratory list attached Complied. Sample Test Reports attached. Complied. Attached. QIL will comply with QCS 2014 requirements for all testing works. Ashghal approved laboratory list attached Attached	Closed Closed Closed Closed Closed Closed

Corrections or comments made relative to submittals during this review does not relieve the contractor from compliance with the requirements of his Contract, drawings and specifications. This review is only in respect of general conformance with the design intent of the project and general compliance with the information given in the Contract documents. The contractor remains responsible, among other things, for the design of the project or such parts of the project he has design responsibility for (if design forms part of the Contract), for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner, all in accordance with the Contract.

PRE-QUALIFICATION OF QATAR INDUSTRIAL LABORATORIES

		KEO ACTION	
A	No Objection		
B	No objection subject to incorporation of all comments as noted.		
C	Rejected, to be resubmitted		
Eng'r.		R.E.	
Date:		Date:	26.08.019.
Corrections or comments made relative to submittals during this review does not relieve the contractor from compliance with the requirements of his Contract, drawings and specifications. This review is only in respect of general conformance with the design intent of the project and general compliance with the information given in the Contract documents. The contractor remains responsible, among other things, for the design of the project or such parts of the project he has design responsibility for (if design forms part of the Contract), for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner, all in accordance with the Contract.			



Document Revision History

Issue	Rev.	Date	Description	Reviewed By	Reviewed By	Approved By
1	00	17-August-19	Issued for Review and Approval	Azeem Asharaf Project QA/QC Manager	Osama Abdel Lathif Construction Manager	Abdul Salaam Project Manager
2	01	25-August-19	Re-Issued to comply the Rev-00 comments for Review and Approval	Azeem Asharaf Project QA/QC Manager	Osama Abdel Lathif Construction Manager	Abdul Salaam Project Manager



**EXTERNAL TRANSMITTAL NOTE
ENGINEERING DEPARTMENT - ONSHORE (PIPELINE PROJECTS)**

Project No : 4091	Transmittal No :
Contract No : GC18104500	PNP/GC18104500/EXT/TN/0379
Contract Title : EPIC FOR CNG STATIONS IN RLIC & MIC	

Forwarded to	Review Codes
Company : Black Cat Engineering and Construction WLL F.a.o.: Mr. Paolo Borchetta	10 Approved (Re-submission Not Required)

Item No.	QP Document No.	Rev.	Your ref.	Description	Code	Due date
1	4091-1-PQD-0002	0	GC18104500/PNP/TN/0332	PRE-QUALIFICATION DOCUMENTS FOR GEOTECHNICAL INVESTIGATION SURVEY (QATAR INDUSTRIAL LABORATORIES WLL)	10	

Remarks:			
Condition:			
Document Controller	Nominated Deputy	QP Representative	Date
Tel: 40136850 K. Mohamed Faisal, PSD33	Tel: 44055852 Anuj Kumar Narayanan, PNP21	Ahmad Mohamed Al-Awlaqi, PNP	21-02-2019
1. THIS TRANSMITTAL IS SYSTEM GENERATED AND SIGNED-OFF ELECTRONICALLY AND WET-INK SIGNATURE IS NOT REQUIRED. 2. REFER TO ATTACHED COMMENT SHEET AND MARKUP ATTACHMENTS, IF ANY AND PLEASE CONFIRM THE RECEIPT OF THIS TRANSMITTAL IN THE SYTEM (ASSAI).			
Receiver's Signature Over Printed Name		Designation	Date



- Engineering Forms
- RFIs
- Submittal Items
- Drawing Lists
- Drawing Sets
- Correspondence
- Forms

- Details
- Notes
- Attachments
- Workflow
- Notification



CONSTRUCTION DOCUMENTS

DATE	27-01-2019	RECORD NO	22
PROJECT	MDCCH01, Cuban Hospital - FL	INCOMING REFERENCE	MDCCH01-ARN-JCP-PQS-011
SUBJECT	Testing - M/s Qatar Industrial Laboratr	CATEGORY	Supplier Submittals/ Material Approvals /Sub-Contr
METHOD OF ISSUE	02 - Transmittal	DOCUMENT TYPE	Pre-Qualification - Contractor
DISCIPLINE	01- Civil / Infrastructure	TO	Mohamed Abdallaal (James Cubitt & Partners Engine
SUB DISCIPLINE			
FROM	Amr Abdelhamid Mahrous (Arab United Constructo		
RESPONSE REQUIRED			

- Construction Documents
- Work Inspection Request
- Material Inspection Request

ENGINEERING FORMS

TOOLBOX



M/s ITALCONSULT
Doha - Qatar
P.O Box 2573
Tel: 44353662, Fax: 44353455

Attention : Eng. Waleed Heikel (RE)

Area : Doha City
Project Code : IA 2017 C057 G
Project Title : RIW in Various Area of Greater Doha Phase 5
Contractor : Al Sarh Trading & Contracting Co.
Consultant : ITALCONSULT

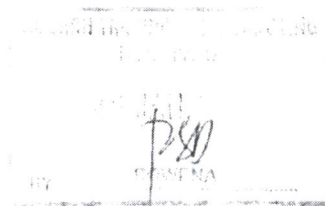
Subject : Prequalification – Independent Third Party Laboratory (QIL)

With reference to Al Sarh letter ALS/KK/HGA/1038/18/194-CTS 2018/0022410/1 and the subject matter, please find the prequalification status of the proposed Third Party Laboratory.

Item	Proposed	Status	Remarks
Third Party Laboratory	M/s Qatar Industrial Laboratory	Approved as Noted	Subject to the compliance of PWA Circular No 28-2016, PWA relevant prequalified list of updated tests and to the compliance of QCS 2014 Section 02 Part 10 Clause 10.1.3. Consultant/Contractor shall ensure the timely uploading of the test reports to QSD LASTRADA System




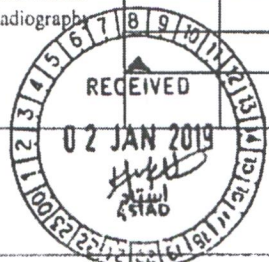
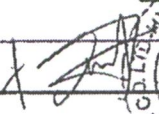
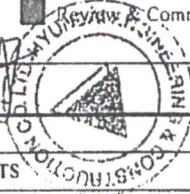
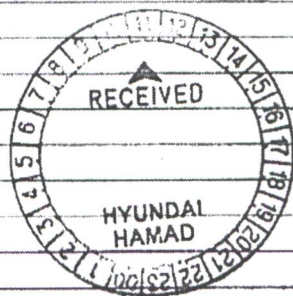
Regards

Saoud Ali A Al-Tamimi
Roads Project Management Department
Manager



E-MAIL

Cc:

Project Name Women's Hospital Safety Improvement Project		Employer HMC 	Project Manager Mr. Hany Abdelrazik El Baroudi	Transmittal No. MHCWH01/HEC/APM/PQS/031-00	
Consultant ASTAD 	Main Contractor HYUNDAI 	Sub Contractor	Date 2-Jan-19		
PRE-QUALIFICATION DOCUMENT					
To: ASTAD		From: Hyundai Engineering & Construction			
Type of Document : <input type="checkbox"/> Calculation <input type="checkbox"/> Schedule <input checked="" type="checkbox"/> Pre-qualification <input type="checkbox"/> Others					
Submittal Disciplines: Civil/Struct () Arch/ID () Plumb () Elect () Mech (X) Landscape ()					
1. SUBMITTAL DETAILS Area of application: Women's Hospital project					
SR	DRAWING NO	REV	COPIES	DESCRIPTION	REMARKS
				Pre-Qualification QATAR INDUSTRIAL LABORATORIES W.L.L for Radiography (NDT) Testing	
Remarks					
These are transmitted for: <input type="checkbox"/> Your Information <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Checking <input checked="" type="checkbox"/> Review & Comment					
Submitted By: Mr. Alex J.K Chun			Signature: 		
2. THE CONSULTANT / ENGINEER COMMENTS:					
SR	DRAWING NO	REV	CODE	COMMENTS	
					
Code Legend: <input checked="" type="checkbox"/> 1 Approved <input type="checkbox"/> 2 Approved as noted <input type="checkbox"/> 3 Resubmit For Approval <input type="checkbox"/> 4 Rejected					
Returned By:		Signature:		Date:	

Observations & Comments Sheet (OCS)

Assessment Code:
 A = Approved/No Comments - Contractor may proceed as per approved project specification.
 B = Approved as Noted/Comments as Noted - Contractor may proceed as per approved project specification.
 C = Not approved.
 D = For Information/Invalid. No need for approval/responses.

Classification:
 Design:
 Construction:

Project Scope: SAFETY IMPROVEMENT PROJECT
 Contract No.: P.O.217636
 Project Title: WOMEN'S HOSPITAL SAFETY IMPROVEMENT PROJECT
 Project Code/No.: MHC.WH.01
 Transmittal No.: MHC.WH.01-HEC-APM-PQS-031
 OCS Date: 22-01-19

The document(s) reviewed under this OCS, were issued "for Review and Comments" and are hereby return to the issuer with the following return code and actions request:

Overall Assessment Code:

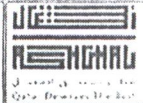
Document Title	Rev. No.	Document Ref. No.	Discipline Engineer	ASTAD-HFD Review Code	ASTAD-HFD Comments	Contractor Response	ASTAD-HFD Status
QATAR INDUSTRIAL LABORATORIES WILL BE RADIOGRAPHY (NDT) TESTING	00	MHC.WH.01-HEC-APM-PQS-031	Hussein Elabd	A	REPORT SUBMISSION DATE: 20/01/2019 The proposed laboratory is not in the approved project specification vendor list.	Contractor Response Date:	Open
QATAR INDUSTRIAL LABORATORIES WILL BE RADIOGRAPHY (NDT) TESTING			HMC		REPORT SUBMISSION DATE: ASTAD-HFD Response	Contractor Response	
QATAR INDUSTRIAL LABORATORIES WILL BE RADIOGRAPHY (NDT) TESTING	00	MHC.WH.01-HEC-APM-PQS-031	Hussein Elabd	A	REPORT SUBMISSION DATE: 20/01/2019 Submit/attach the certified staff dedicated for the Radiography (NDT) testing	Contractor Response Date:	Open
					REPORT SUBMISSION DATE: ASTAD-HFD Response	Contractor Response	
QATAR INDUSTRIAL LABORATORIES WILL BE RADIOGRAPHY (NDT) TESTING	00	MHC.WH.01-HEC-APM-PQS-031	Hussein Elabd	A	REPORT SUBMISSION DATE: 20/01/2019 Submit previous projects executed by the proposed laboratory in the Radiography (NDT) testing of welded pipes not less than 5 years in Qatar. Prequalification Approval is subject to the successful demonstrations of the Radiography (NDT) testing of welded piping. Submit method statement for review including scope of work/work description, certified skilled workers, HVAC system welded pipes testing strategy and laboratory method of testing results review/acceptance/comments. Subject to HMC review/approval.	Contractor Response Date:	Open
					REPORT SUBMISSION DATE: ASTAD-HFD Response	Contractor Response	

Comments disposition form

Title: Pre-qualification Document of M/s Qatar Industrial Laboratories (Third Party Lab) for Geotechnical Engineer/Testing of concrete cubes and steel cages at Pump Room 1 and 2, Ancillary Building, Facility B, Facility D and Electrical Substation		Revision No.: 2	Reviewing Department: CSC/ Technical
Document no.: SC-DPP-GDP-NAT-PRQ-CI-00082_Rev.1		Disposition Department:	
Review date: 01/10/2018			
Serial Number	Level 1 or 2/ Originator	Comments	Status/Remarks
Revision 0			
1	3/GEIC MR	Attached Certificate of Accreditation from IAS (Testing Laboratory TL-528) is found no longer valid, provide current one.	Noted
2	3/GEIC MR	Qatar Industrial Laboratories should be requested to demonstrate that they are not presently overloaded and will be able to attend promptly	Noted
3	3/GEIC MR	The subcontractor shall follow strictly the NAKHEEL Landscapes approved Method Statements, Project Quality Plan, ITP and HSE Plan. Qatar Industrial Laboratories shall specify the person or designate a person in charge of the quality issues.	Noted
(add lines as necessary)			
Reviewer Name: M Ramos/T Dakkak/S Abbas/ H Hafiz		Signature:	Date: 01/10/2018
Dispositioner Name: Martin Grobler		Signature:	Date: 01/10/2018
Document Status:	Level 1 = Revise & Resubmit <input type="checkbox"/>	Level 2 = No Objection with Comments <input type="checkbox"/>	Level 3 = No Objection <input checked="" type="checkbox"/>
	Level 4 = Review not required <input type="checkbox"/>	Level 5 = Rejected <input type="checkbox"/>	

Level Key: Level 1 = Revise & Resubmit/ Level 2 = No Objection with Comments/ Level 3 = No Objection / Level 4 = Review not required / Level 5 = Rejected
 Note 1: A unique CDF serial number will be allocated with document initial submission; subsequent revisions will be reflected in CDF revisions (applicable at least by CSC and PMCA)
 Note 2: Originator - SC/ PMCM/ CSC

Sub-Contractor Approval Request



PMC-FM-CON-0302

Local Roads & Drainage Programme

Revision: 2

Date: Oct 2016

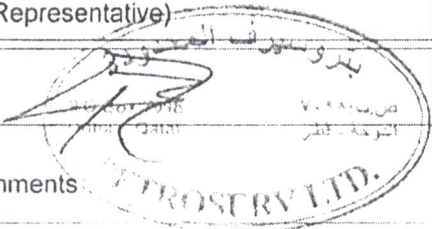
Bill of Quantities items to be supplied by the Subcontractor

(a)	Material Testing & Geotechnical Engineering services	BoQ Ref:	PAGE G1(P1)
(b)		BoQ Ref:	
(c)		BoQ Ref:	
(d)		BoQ Ref:	
(e)		BoQ Ref:	
(f)		BoQ Ref:	
(g)		BoQ Ref:	
(h)		BoQ Ref:	

Part 4 - Contractor Authorised Representative

Name: Position:

Signature:  Date:



Part 5 - GEC Recommendation Comments

To Contractor:

- Action Code A: Can be recommended for Approval without any comments
- Action Code B: Can be recommended for Approval subject to corrections and/or comments attached
- Action Code C: Revised & resubmitted in accordance with the completion of corrections shown and/or comments attached
- Action Code D: Rejected

Name: Position:

Signature: Date:

Part 6 - PMC Verification (if Required)

Name: Position:

Signature: Date:

Sub-Contractor Approval Request



PMC-FM-CON-0302	Local Roads & Drainage Programme	Revision:	2	Date:	Oct 2016
-----------------	----------------------------------	-----------	---	-------	----------

Document No.	IA2018-CU31G/SCAR/006	Revision No.	00
Project Title:	Umm Al Dome Improvement	Project No:	IA2018/C031G
Contractor:	M/s Petroserv limited / Strukton construction & Trading (JV)	Date:	04/10/2016
GEC:	ITALCONSULT	Area:	DOHA, QATAR

We request the approval of the following Sub-Contractor to undertake the section of work identified in this submittal

Part 1 - Particulars of the Sub-Contractor

Company Name:	M/s Qatar Industrial Laboratories W.L.L.(QIL)	
Address 1:	Industrial Area Street No.43, Gate#51, P.O.Box No. 10415, Doha, Qatar	
Address 2:	N/A	
Address 3:	N/A	
Address 4:	N/A	
e-mail:	qil@qilqatar.com	
Telephone No:	+974 4601484 / 1580	Fax No: +974 4601739

Confirm that the following pre-qualification documents are enclosed (tick to conform)

- Covering Letters from the Contractor addressed to the Supervision Consultant proposing the Sub-Contractor
- Commercial Register
- Compliance Statement with Qatar standard specification requirements (QCS 2014 or latest updates)
- International quality certification (BS EN ISO and / or others) BSI Kite mark,
- Company Quality Manual / Inspecting and Testing Plans
- Summary of Experience
- Financial Status
- Details of work being undertaken in the Region
- Company Staff details / Management Structure
- Equipment owned by the Company
- Sub-Contractor included In Tender Submission
- Sub-Contractor is a GCC Company

Part 2 – Subcontracted Work Details

Scope of Subcontracted Work:	Third Party Technical Laboratories for Testing of the Materials
Discipline:	Material Testing & Geotechnical Engineering services

RECEIVED
OCT 2016

THIS DOCUMENT IS UNCONTROLLED ONCE PRINTED - Last printed 07/0000 0 00 00 AM

BY: GLENA



قطر تستحق الأفضل
Qatar Deserves The Best

**PARSONS
BRINCKERHOFF**



**PETROSERV
LIMITED**

ITALCONSULT



Strukton

Construction & Trading WLL

**PROJECT TITLE:
UMM AL DOME IMPROVEMENT**

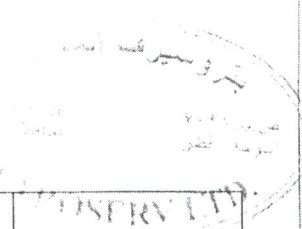
**CLIENT:
PUBLIC WORKS AUTHORITY (ASHGHAL)**

**JOINT VENTURE:
PETROSERV LIMITED /
STRUKTON CONSTRUCTION & TRADING (JV)**

**PRE-QUALIFICATION DOCUMENTS OF M/S. QATAR
INDUSTRIAL LABORATORIES (QIL)**

Document No.
IA2018/C031G/SCAR/006 REV.00

0	Issue for Review and Approval	03-10-2018	RD	AK / TR	MB
Rev.	Description	Date	Prepared By	Reviewed By	Approved By





DOCUMENT TRANSMITTAL FORM

PROJECT NAME : DOHA PORT REDEVELOPMENT GARDEN DISTRICT
- DOHA, STATE OF QATAR

CLIENT: SUPERME COMMITTEE

PROJECT MANAGER: ASTAD

CONSULTANT: GULF ENGINEERING & INDUSTRIAL CONSULTANCY

CONTRACTOR: NAKHEEL LANDSCAPES

SUBCONTRACTOR: NSCC INTERNATIONAL DOHA LLC

ATTENTION: MR. MARTIN GROBLER - PROJECT MANAGER

CC: MR. UPPALA MOIDEEN - CONSTRUCTION MANAGER

BCC: MR. IHSANULLAH AMIR AMANULLAH - QA/QC MANAGER

WE ARE FORWARDING HERewith THE DRAWINGS / DOCUMENTS / SAMPLES
LISTED BELOW

Transmittal Reference:

181444-NSCC-PMT-TRN-003-B

Transmittal Date:

Wednesday, 29 August, 2018

SUBMITTED FOR	CODE
APPROVAL	1
INFORMATION	2
ACTION	CODE
APPROVED	A
APPROVED AS NOTED	B
FOR INFORMATION	C
NOT APPROVED	D

TYPE: SD= Shop Drawings, MS= Material Submittal, SAR= Subcontractor Approval Request, SM= Sample, GT= Guarantee, MD= Manufacturer's Data, CT= Certificates, TT= Test Results, OT= Other

Sr. No	Document Reference	Rev. No	Rev. Date	DESCRIPTION	TYPE	CODE	
						Submittal	Action
(1)	SC-DPP-GDP-NAT-PRQ-CI-0082	01	29-09-2018	PRE-QUALIFICATION DOCUMENT OF M/S. QATAR INDUSTRIAL LABORATORIES (THIRD PARTY LAB) FOR GEOTECHNICAL ENGINEER/TESTING CONCRETE CUBES AND STEEL CAGES AT PUMP ROOM1 AND 2, ANCILLARY BUILDING, FACILITY B, FACILITY D AND ELECTRICAL SUBSTATION	PQ	1	
(2)							
(3)							

Digital Copy: YES NO

None

Sent by Mail

FOR CONTRACTOR :

MR:TUSHAR PRJAPATI - PROJECT MANAGER

SIGNATURE

DATE: 29-Aug-18

CLIENT/CONSULTANT'S REMARKS:



ON BEHALF OF CLIENT/CONSULTANT
NAME:

SIGNATURE:

DATE:

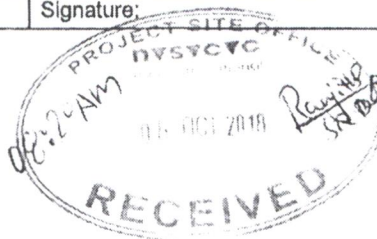
Date: 29/09/18

Distribution: Consultant/Contractor-1 Original, Cc: File

C:\Users\ranjith\Desktop\181444-NSCC-PMT-TRN-003-B_QIL's Company Profile



TECHNICAL DOCUMENT SUBMITTAL FORM			
Document No:	SC-DPP-GDP-NAT-PRQ-CI-0082	Rev	01
		Date:	29.09.2018
Title:	PRE-QUALIFICATION DOCUMENT OF M/S. QATAR INDUSTRIAL LABORATORIES (THIRD PARTY LAB) FOR GEOTECHNICAL ENGINEER/TESTING CONCRETE CUBES AND STEEL CAGES AT PUMP ROOM1 AND 2, ANCILLARY BUILDING, FACILITY B, FACILITY D AND ELECTRICAL SUBSTATION		
Project/Work Package:	Doha Port Re-Development Project - Construction of Garden District Package Works - TDO-17-TCC-0064		
Type of Submittal			
<input checked="" type="checkbox"/> Sub-Contractor / Prequalification	<input type="checkbox"/> Design Calculation	<input type="checkbox"/> O & M Manual	
<input type="checkbox"/> Materials & Product Data	<input type="checkbox"/> Mock Up Report	<input type="checkbox"/> Testing and Commissioning Report	
<input type="checkbox"/> Company Profile	<input type="checkbox"/> Method Statement	<input type="checkbox"/> Others (pls. specify below)	
	<input type="checkbox"/> Inspection & Test Plan (ITP)		
SUBMITTAL DESCRIPTION:			
<input checked="" type="checkbox"/> CIVIL	<input type="checkbox"/> STRUCTURAL	<input type="checkbox"/> ARCHITECTURAL	<input type="checkbox"/> ELECTRICAL
	<input type="checkbox"/> MECHANICAL	<input type="checkbox"/> OTHER	
Specification Ref.:	QCS 2014, Section:01 Part 7	Location / Use:	
Drawing Ref.:	DPP-NAT-S-GDN-L-ST-AL-FB-1006, DPP-NAT-S-GDN-L-ST-AL-FD-1003, DPP-NAT-S-GDN-L-ST-AL-U3-1005, DPP-NAT-S-GDN-L-ST-AL-01-1002, DPP-NAT-S-GDN-L-ST-AL-02-1002, DPP-NAT-S-GDN-L-ST-AL-AN-1007.	Pump Room 1 and 2, Ancillary Building & Facility B, Facility D and Electrical Substation	
Description of Material	Third Party Lab.	Manufacturer (Name & Address)	QATAR INDST:LAB:
For Service Provider (Brief description of the service provided):			
GEOTECHNICAL/STRUCTURAL INSTRUMENTATION FOR THE SHORING PILES (Third Party Lab)			
Note: Please use additional sheets, if necessary			
Name: Martin Grobler	Position: Project Manager	Signature:	Date: 29.09.2018
Construction Supervision Review:		Date Received	
PLEASE SEE ATTACHED CDF		<input type="checkbox"/> Level 1 - Revise and Resubmit	
		<input type="checkbox"/> Level 2 - No Objection with Comments	
		<input checked="" type="checkbox"/> Level 3 - No Objection	
		<input type="checkbox"/> Level 4 - Review not required	
		<input type="checkbox"/> Level 5 - Rejected	
Name:	Position: PD	Signature:	Date: 02/10/2018
Project Management/Construction Management Recommendation:		Date Received	
Note: Please use additional sheets, if necessary			
Engineers Authorization Required :		YES <input type="checkbox"/>	NO <input type="checkbox"/>
Name: Josphe Haddad	Position: PD	Signature:	Date: 02/10/2018
Engineer Final Feedback (WHEREVER APPLICABLE)		Date Received	
Note: Please use additional sheets, if necessary			
Agree :		YES <input type="checkbox"/>	NO <input type="checkbox"/>
Name:	Position: SC	Signature:	Date:





Pre – Qualification Document

**PRE-QUALIFICATION DOCUMENT OF M/S. QATAR INDUSTRIAL
LABORATORIES (THIRD PARTY LAB) FOR GEOTECHNICAL
ENGINEER/TESTING CONCRETE CUBES AND STEEL CAGES AT
PUMP ROOM 1 & 2, ANCILLARY BUILDING, FACILITY B, FACILITY
D & ELECTRICAL SUBSTATION**

**Prepared for: Doha Port Redevelopment Project – Construction of
Garden District Package Works.**

Document Reference number: SC-DPP-GDP-NAT-PRQ-CI-00082 Rev.01

Prepared by:



Al Nakheel Agriculture and Trading W.L.L
P.O Box No: 8873
DOHA – QATAR
T: (+974) 4408 5333
F: (+974) 44983420



Approval sheet

Document owner: Martin Grobler, Project Manager.

Signature:

Date: 29/09/2018

Revision history

Revision	Date	Additions/modifications
00	09.08.2018	1 st Submission – No Object with Comments.
01	29.09.2018	2 nd Submission – reply to Engineers' comments on the Previous Submittal.

		Title	Signature	Date
Prepared by	Tushar Prajapati (NSCC) I have prepared this document having identified SC requirements.	Project Manager		29.09.2018
Reviewed by	Ihsanullah. A I have reviewed this document for its accuracy and technical content, and to meet SC requirements.	QA.QC Manager		29.09.2018
Checked by	Uppala. M I have checked this document for its layout and format, and to meet SC requirements.	Construction Manager		29.09.2018
Approved by	Martin Grobler I have approved this document for Implementation.	Project Manager		29.09.2018



CSC: We have no objection to the content and implementation of this document.

		Title	Signature	Date
No Objection				
No Objection				

PM/CM : We have no objection to the content and implementation of this document.

		Title	Signature	Date
No Objection				
No Objection				

SC : We have no objection to the content and implementation of this document.

		Title	Signature	Date
No Objection				
No Objection				

6. RESOURCES

7. MAJOR PROJECTS & CLIENTS LIST

8. CLIENT APPROVALS LETTERS

9. GEOTECHNICAL AND STRUCTURAL INSTRUMENTATION

Comments disposition form

Title: Pre-qualification Document of M/s Qatar Industrial Laboratories (Third Party Lab) for Geotechnical Engineer/Testing of concrete cubes and steel cages at Pump Room 1 and 2, Ancillary Building, Facility B, Facility D and Electrical Substation		Revision No.: 0	Reviewing Department: CSC/ Technical
Document no.: SC-DPP-GDP-NAT-PRQ-CI-00082_Rev.0			
Disposition Department:			
Disposition date: 29/09/2018			
Review date: 13/08/2018		Status/Remarks	
Serial Number	Level 1 or 2/ Originator	Comments	Dispositions
Revision 0			
1	2/GEIC MR	Attached Certificate of Accreditation from IAS (Testing Laboratory TL-528) is found no longer valid, provide current one.	Renewed certificate attached Index 2 – IAS (Testing Laboratory TL-528).
2	2/GEIC MR	Qatar Industrial Laboratories should be requested to demonstrate that they are not presently overloaded and will be able to attend promptly	QIL is not overloaded at the moment, we have the capacity & capability to handle the project.
3	2/GEIC MR	The subcontractor shall follow strictly the NAKHEEL Landscapes approved Method Statements, Project Quality Plan, ITP and HSE Plan. Qatar Industrial Laboratories shall specify the person or designate a person in charge of the quality issues.	The below mentioned QIL personnel will be responsible for all the quality issues: Shaikh Rafique – QA/QC MANAGER Mail- rafique@qilqatar.com
(add lines as necessary)			

Reviewer Name: M Ramos/T Dakkak/S Abbas	Signature:	Date: 13/08/2018
Dispositioner Name: Martin Grobler	Signature:	Date: 29/09/2018

Document Status:	Level 1 = Revise & Resubmit <input type="checkbox"/>	Level 2 = No Objection with Comments <input checked="" type="checkbox"/>	Level 3 = No Objection <input type="checkbox"/>
	Level 4 = Review not required <input type="checkbox"/>	Level 5 = Rejected <input type="checkbox"/>	

Level Key: Level 1 = Revise & Resubmit/ Level 2 = No Objection with Comments/ Level 3 = No Objection / Level 4 = Review not required / Level 5 = Rejected
 Note 1: A unique CDF serial number will be allocated with document initial submission; subsequent revisions will be reflected in CDF revisions (applicable at least by CSC and PMCM)
 Note 2: Originator - SC/ PMCM/ CSC

INDEX

0. QA.QC Sub Contractor Assessment Form

1. COMPANY INFORMATION

INTRODUCTION
TECHNICAL OVERVIEW
COMPANY DETAILS
LOCATION MAP

2. REGISTRATIONS, CERTIFICATIONS & ACCREDITATIONS

COMMERCIAL REGISTRATION/FINANCIAL CERTIFICATES
CONFORMITY CERTIFICATES
ISO/IEC 17025:2005 ACCREDITATION
(Certificate is upto August 01, 2019 – reviewed due to Engineer's comment 1).

3. ORGNIZAION CHART


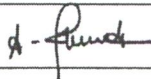

ORGNIZATION CHART
KEY PERSONNEL

4. QUALITY, HEALTH, SAFETY & ENVIRONMENT

5. SERVICES PROVIDED

**PRE-QUALIFICATION DOCUMENT OF M/S. QATAR INDUSTRIAL
 LABORATORIES (THIRD PARTY LAB) FOR GEOTECHNICAL
 ENGINEER/TESTING CONCRETE CUBES AND STEEL CAGES AT PUMP
 ROOM 1 & 2, ANCILLARY BUILDING, FACILITY B, FACILITY D &
 ELECTRICAL SUBSTATION**

Document No: SC-DPP-GDP-NAT-PRQ-CI-00082-01

Rev	Date	Details	Prepared by	Reviewed by	Approved by
01	29.09.2018	Issued for approval	Tushar Prajapati – NSCC International Doha LLC (Project Manager)	Ihsanullah. A (QA.QC Manager)	Martin Grobler (Project Manager)
					

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الهيئة العامة
للتنظيم والرقابة
Katar Regulatory
Authority & Agency



أستاد
ASTAD

Doha Port Re Development Project Construction
of Garden District Package Works

المعهد القطري للهندسة والبناء
QATAR ENGINEERS & ARCHITECTS CONGRESS

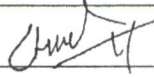
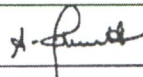
Nakheel
LANDSCAPES

0. QA.QC Sub Contractor Assessment Form

النخيل للزراعة و التجارة ذم م
AlNakheel Agriculture & Trading WLL
P.O.Box 8873 Doha - Qatar Tel +974 4408 5333 Fax +974 4498 3420
info@nakheelandscapes.com www.nakheelandscapes.com



PAID UP CAPITAL: QAR 5,756,000 CR No 19005

Checklist		Compliance			
Sl. No	Description	Yes	No	N.A	Remarks
	Prequalification/Company Profile/Organization Chart	✓			
	Commercial License/Register	✓			
	Valid Permits and Licenses	✓			
	Technical Data/Catalogues	✓			
	Certificates of Calibrated Equipment(s)	✓			
	Company Policies(HSE/Quality Policy)	✓			
	ISO Certificates	✓			
	Vendor/Subcontractor's Guarantee	✓			
	Previous Approvals	✓			
	List of Previous Project	✓			
	End users Acceptance (Approved vendor List)	✓			
	List of Manpower & Equipment	✓			
	Others enclosures (if any)	✓			
Additional Information:					
Description		NAT QA.QC			
		Prepared By		Approved By	
Name:		Naguyen Truyen (NSCC)		Ihsanullah.A	
Signature:					
Date & Time:		29.09.2018		29.09.2018	



Subcontractor Approval Request

Section	Construction Forming		
Status	Controlled Copy		
Reference	PMC-FM-CON-0302		
Revision	1	Date	Apr-14
Sheet	1	of	1

Project Name: Roads and Infrastructure in Bani Hajer North, Phase 1 & 2 Package- 02	Date: 2-Jan-2018
Project No: DN001, DN110	Document No: DN001-P02-HBK-CON-APR-A43816
GEC: M/s Hyder Consulting Middle East Limited	Submittal No: DN001-P02-HBK-CON-PQD-A43817
Contractor: M/s HBK Contracting Co. WLL	Rev. No. 0
	No. of Copies 1+2

To: GEC
We request approval of Subcontractor for the section of Work and the Subcontractor identified in this submittal

1 - Particulars of Manufacturer

Company Name: **QATAR INDUSTRIAL LABORATORIES W.L.L** 035909
02 JAN 2018

Company Line of Works: **Materials Testing Laboratories**

Address: **Steet no 43, Building no 127, PO Box 10415 – Doha, Qatar** Tel. No.: 44601580 Fax No. 44601739 11E 2 30pm

Subcontractor's Principle Bank:

The following prequalification documents are enclosed: (tick to confirm)

<input checked="" type="checkbox"/> Commercial Register	<input type="checkbox"/> Founding Contract	<input checked="" type="checkbox"/> Summary of Experience	[Financial Status <i>Z.C</i> <i>Z.m</i>]
<input checked="" type="checkbox"/> Present Works	<input checked="" type="checkbox"/> Company Staff	<input checked="" type="checkbox"/> Company Equipment	

2 - Product

Scope of Work: **Third Party Lab for Materials Testing**

BOQ Items: **Section 4, Item 4.3.17** Discipline: **Civil / Mechanical**

Total Value of Manufacturer (in Contract Rates):

Cumulative Value of Manufacturer Works to-date (In contract Rates):

By Contractor Authorised Representative

Name: **Mohamed Elgemiel** Signature: *S. M. Elgemiel* Date: **2-Jan-2018**

GEC's Recommendation Comments:

To: Contractor - we have no objection to carryout the Asghal approved tests as per the attached PWA updated list of approved tests. All test reports are to be uploaded to the pwa data system without delay. Any tests performing other than the PWA approved tests will not be accepted.

Submittal A. Approved As Submitted B. Approved - Except as N C. Revise & Resubmit D. Rejected 3/1/18

By the GEC

Name: **A EL SAYED** Signature: *A. El Sayed* Date: **3-1-2018**

PMC/PWA's Response (If required)

To: GEC

Hyder Consulting Middle East Ltd.
P.O.Box 1854, Doha, Qatar
Telephone: 44245000 Fax: 44245001

Further Comment:

We return hereby this Submittal for Approval of Subcontractor action taken as indicated in the submittal. Approval to Subcontract this section of the Work and Company's non-objection to Contractor's Subcontractor selection shall not relieve the Contractor of its obligations and liabilities under the Contract.

PMC/PWA Authorised Representative (if required)

Transmittal Note

Transmittal No. DN001-P02-HBK-HYD-TML-10279
Subject M/s. QATAR INDUSTRIAL LABORATORIES W.L.L- Materials Testing Laboratories
Sent Date 02-Jan-2018
Submission No. (as of 02-Jan-2018) CNS101108
Project Title Roads and Infrastructure in Bani Hajer North - Phases 1 & 2 - Package 02
Project No DN001-P02
From Mohamed Elgemiel
 Project Director
 HBK Contracting Co. W.L.L.
To Mr. Ashraf El Sayed,
 Senior Resident Engineer
 M/s Hyder Consulting Middle East

CC

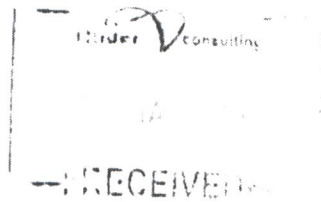
Comments

Distribution

Company	Issued For	Date	Task
Hyder	Acceptance / Approval	16-Jan-2018	for your approval

Attachments

Document Number	Rev.	Title	Medium	Attachment Type	Remark
DN001-P02-HBK-CON-APR-A43816	00	M/s. QATAR INDUSTRIAL LABORATORIES W.L.L	Hard Copy		
DN001-P02-HBK-CON-PQD-A43817	00	M/s. QATAR INDUSTRIAL LABORATORIES W.L.L	Hard Copy		



Transmittal No. DN001-P02-HYD-HBK-TML-05697
Subject M/s. QATAR INDUSTRIAL LABORATORIES W.L.L- Materials Testing Laboratories
Sent Date 03-Jan-2018
Submission No. (as of 03-Jan-2018) CNS101108
Project Title Roads and Infrastructure in Bani Hajer North - Phases 1 & 2 - Package 02
Project No DN001-P02
From Mr. Ashraf El Sayed,
Senior Resident Engineer
M/s Hyder Consulting Middle East
To Mohamed Elgemiei
Project Director
HBK Contracting Co. W.L.L.

CC

Comments**Distribution**

Company	Issued For	Date	Task
Hamad Bin Khalid Contracting Company	Action and Response	10-Jan-2018	This is for your action.

Attachments

Document Number	Rev.	Title	Medium	Attachment Type	Remark
DN001-P02-HBK-CON-APR-A43816	00-A	M/s. QATAR INDUSTRIAL LABORATORIES W.L.L	Hard Copy		
DN001-P02-HBK-CON-PQD-A43817	00	M/s. QATAR INDUSTRIAL LABORATORIES W.L.L	Hard Copy		GEC - 7 - Approved with Comments

**SUBCONTRACTOR APPROVAL REQUEST
QATAR INDUSTRIAL LABORATORIES WLL**

Ref: DN110-P05-QBS-CON-PQD-A10030

Rev. 00

**Project : Infrastructure FS Gap Mall of Qatar
Area and Celebration Road Foul Sewer
- Package 05**

**Client : Public Works Authority
Ashghal**



Consultant : Dar Al Handasah Consultants





Contractor : Quality Based Structures WLL



INDEX

1	Company Information	Attached
2	Registrations, Certifications & Accreditations	Attached
3	Organization	Attached
4	Quality, Health & Environment	Attached
5	Services Provided	Attached
6	Resources	Attached
7	Major Projects & Client List	Attached
8	Client Approval Letters	Attached
9	Geotechnical and Structural Instrumentation	Attached

		<h1>MATERIAL SUBMITTAL</h1>			
CONTRACT NO. : GC15101200		REF.: RLB60-9-MS-0400		REV.: 2	Date: 02-05-2018
CONTRACT TITLE : <p style="text-align: center;">CONSTRUCTION OF FIRE STATION NO. 6 AT RAS LAFFAN</p>					
Proposed Material	:	Asphalt Road Marking			
Alternative	:	MAIN			
Ref. Drawing	:	RLB60-9-CG-0001			
Document/Spec. Reference	:	SECTION 6 ROAD WORKS PART 10			
Location/Area of Use	:	Roads			
Manufacturer/Vendor	:	SALAMA ROAD MARKING FACTORY Mesaieed Industrial City (MIC) State of Qatar Telephone +974 44600365 Fax +974 44602660 Email salama@doha-group.com			
Vendor included in QP PVL	:	YES <input type="checkbox"/>	NO [Provide Justification]	<input checked="" type="checkbox"/>	
Justification: No specified vendor in PVL and Proposed products is complying with project specs as per Technical Data sheet , Compliance statement and Test Reports”					
Specification Requirements					Remarks
Description	Specified	Proposed			
Thermoplastic road marking	Road marking material BS 3262 Part 1 Ballotini BS 6088	Thermoplastic Road Marking Materials – White & Yellow (Reflectorized Grade) BS 3262 Part 1 and QCS 2014 Ballotini BS 6088 Class A for Premix and BS 6088 Class for Drop On			
Submitted By: INSHA COMPANY WLL			Legend		
Signature: 	C: Civil	<input checked="" type="checkbox"/>	M: Mechanical	<input type="checkbox"/>	
Name: FAHIM P.A.	I: Instrumentation	<input type="checkbox"/>	E: Electrical	<input type="checkbox"/>	
Designation: A/PROJECT MANAGER	LS: Landscaping	<input type="checkbox"/>	G: General	<input type="checkbox"/>	
QP Comments:	<div style="border: 2px solid black; padding: 5px; display: inline-block;"> APPROVED </div>				
Designation With Reference Indicator	Approved	Approved with Comments	Rejected	Date	
Lead Project Engineer					
Senior Project Engineer					
Others					

Subcontractor Approval Request

Status	Controlled Copy		
Reference	PMC-FM-CON-0302		
Revision	1	Date	Apr-14
Sheet	1	of	1

Project Name:	Roads and Infrastructure in Bani Hajer North, Phase 1 & 2 Package- 02	Date:	2-Jan-2018
Project No:	DN001, DN110	Document No.	DN001-P02-HBK-CON APR-A43816
GEC:	M/s Hyder Consulting Middle East Limited	Submittal No.	DN001-P02-HBK-CON PQD-A43817
Contractor:	M/s HBK Contracting Co. WLL	Rev. No.	0
		No. of Copies	1+2

To: GEC
We request approval of Subcontractor for the section of Work and the Subcontractor identified in this submittal

1 - Particulars of Manufacturer
 Company Name: **QATAR INDUSTRIAL LABORATORIES W.L.L**
 Company Line of Works: **Materials Testing Laboratories**
 Address: **Steet no 43, Building no 127, PO Box 10415 – Doha, Qatar Tel. No.: 44601580 Fax No. 44601739**
 Subcontractor's Principle Bank: _____

035909
02 JAN 2018
AEC 2 2pm

The following prequalification documents are enclosed: (tick to confirm)

<input checked="" type="checkbox"/> Commercial Register	<input type="checkbox"/> Founding Contract	<input checked="" type="checkbox"/> Summary of Experience	<input type="checkbox"/> Financial Status
<input checked="" type="checkbox"/> Present Works	<input checked="" type="checkbox"/> Company Staff	<input checked="" type="checkbox"/> Company Equipment	

2 - Product
 Scope of Work: **Third Party Lab for Materials Testing**
 BOQ Items: **Section 4, Item 4.3.17** Discipline: **Civil / Mechanical**
 Total Value of Manufacturer (in Contract Rates): _____
 Cumulative Value of Manufacturer Works to-date (In contract Rates): _____

By Contractor Authorised Representative
 Name: **Mohamed Elgemiel** Signature: *S. M. Elgemiel* Date: **2-Jan-2018**

GEC's Recommendation Comments:
 To: Contractor - we have no objection to carryout the Asghal approved tests as per the attached PWA updated list of approved tests. All test reports are to be uploaded to the pwa data system without delay. Any tests performing other than the PWA approved tests will not be accepted.

Submittal A. Approved As Submitted B. Approved - Except as N C. Revise & Resubmit D. Rejected

By the GEC
 Name: **A EL SAYED** Signature: *A. El Sayed* Date: **3-1-2018**

PMC/PWA's Response (If required)
 To: GEC
 Further Comment: _____

Hyder Consulting Middle East Ltd.
 P.O. Box 1854, Doha, Qatar
 Telephone: 44245000 Fax: 44245001

We return hereby this Submittal for Approval of Subcontractor action taken as indicated in the submittal. Approval to Subcontract this section of the Work and Company's non-objection to Contractor's Subcontractor selection shall not relieve the Contractor of its obligations and liabilities under the Contract.

PMC/PWA Authorised Representative (if required)

電話: +886-2-2833-9999

傳真: +886-2-2835-7621

廠商登記卡

Vendor Profile

建(修)卡日期: / /

公司全名 Company Full Name	English	Qatar Industrial Laboratories W.L.L.			
	Chinese	Qatar Industrial Laboratories W.L.L.			
公司簡稱 Company Abbreviation	English	QIL	公司負責人 Responsible Person	English	JASSIM YOUSUF AL DARWISH
	Chinese	QIL		Chinese	JASSIM YOUSUF AL DARWISH
前公司全名 Previous Company Name	English	QATAR INDUSTRIAL LABORATORIES W.L.L.			
	Chinese	QATAR INDUSTRIAL LABORATORIES W.L.L.			
公司登記地址 Register Address	English	Industrial Area:Street No. 43, Gate No. 127, East Industrial Estate, Doha - Qatar			
	Chinese	Industrial Area:Street No. 43, Gate No. 127, East Industrial Estate, Doha - Qatar			
課稅地址 Tax Address	Industrial Area:Street No. 43, Gate No. 127, East Industrial Estate, Doha - Qatar				
統一編號 / 廠商編號 Register Number / ID	SCM0010828		郵遞區號 ZIP Code	10415	
公司電話 Company Tel.	+974 44601580		公司所在國家 Company Country	Qatar	
公司傳真 Company Fax	+974 44601739		職工人數 Employee No.	275	
主力產品 / 服務 Main Product or Service	THIRD PARTY LAB				
廠商型態 Vendor Type	<input type="checkbox"/> 原廠 Manufacturer <input type="checkbox"/> 代理商/經銷商 Agent/Distributor <input checked="" type="checkbox"/> 施工承包商/服務供應商 Construction Contractor/Service Provider <input type="checkbox"/> 庫存商 Stockist				
公司成立日期 Establishment Date	1994/11/10		公司網站 Company Website	http://qilqatar.com/	
資本額 Capital Amount	QAR 400,000		年度銷售額 Annual Sales	QAR 20,000,000	


詢價聯絡人 Inquiry Contact Person	English	Mr. Hassan El Zein	電話 Contact Tel.	+974 44601580 #101	
	Chinese	Hassan El Zein 先生	傳真 Contact Fax	+974 44601739	
職稱 Job Title	English	GENERAL MANAGER	部門 Department	English	COMMERCIAL
	Chinese	GENERAL MANAGER		Chinese	COMMERCIAL
公司通訊地址 Office Contact Address	English	Industrial area, street no.43, Doha-Qatar			
	Chinese	Industrial area, street no.43, Doha-Qatar			
電子信箱 E-mail Address	qil@qilqatar.com		手機 Mobile Phone	+974 44601580	

廠商公司印鑑 Company Stamp/Endorsement	廠商負責人印鑑 President Signature/Endorsement	廠商統一發票印鑑 Company invoice stamp/Endorsement

以下由中鼎人員填簽 Below for CTCI Corp. Internal Process

採購承辦者 Reviewed by buyer	專案採購經理 Reviewed by PPM	採購部門主管 Approved by Dept. Manager

*註1. 採購承辦者(buyer)為採購/發包工程師或工地總務


 KAHRAA MAA
 شركة الكهرباء والمياه العامة
 Qatar General Electricity & Water Corporation
 Technical Affairs - Electricity Projects Department

Fax

INFAX # 1047

To:	M/s. Siemens	From:	Manager, Electricity Projects
Attention:	Mr. Udo Wajs Project Director	Date:	07 NOV 2015
Fax No.:	44 84 53 91	Our Ref.:	TA/TE/FAX/15/1577
Contract No.:	GTC/6-43A/2014	Pages:	1

QATAR POWER TRANSMISSION SYSTEM EXPANSION

PHASE 12 SUBSTATIONS- PACKAGE S1, S2, S6 & S7

Vendor Proposal – M/s Doha Technical Laboratory (DTL) & M/s Qatar Industrial Laboratory W.L.L (QIL)

With reference to M/s Siemens PH12-SIE-3A-CON-15-0042 dated 18th October 2015, regarding the above subject, please be informed that M/s Doha Technical Laboratory (DTL) and M/s Qatar Industrial Laboratory W.L.L. (QIL) are approved herewith as Third Party Material Testing laboratory for Phase 12 Substation under packages S1, S2, S6 & S7

However, it will be the sole responsibility of the main contractor to ensure that the proposed subcontractor has required resources and capability to meet the project requirements and schedule.

Regards,

~~Signature~~
Mohammed M. Al-Dosari

TEP
PM

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Electricity Projects; Tel: (+974)-4484 5111 Fax: (+974) 4484 5191 P.O. Box 41, Doha, Qatar

TE-P6/F3 Issue: 0 15-04-2012

Page 1 of 1



SIEMENS CONSORTIUM - PH 12							
Contract		GTC / 643A / 2014					
		GTC / 643D / 2014					
Package	S1	S2	S6	S7	S11	CONW	
Group	G1	G2	G3	G4	G5	G6	
		Action by		Target Date			
Management							
Project Director							
Project Manager							
Commercial Proj. Mgr.							
Contracts Manager							
Project Engineer							
Civil/MEP Design			✓				
Civil/MEP Site							
Procurement							
Engineering							
Electrical Site Mgr.							
QA/QC							
HSE							
Planning							
Supplier							
Others							
FILE RECORD	Y	N	Reply	Y	N		



UW
HU
AK
HA
BM

Technical Affairs- Water Projects Department

DOCUMENT SUBMITTAL

Project :	Construction of Kahramaa New Tower at Lusail	Contract no.:	GTC/519/2012
From	Mohammad D Barrak	To	Rashid Mohd S B Al-Mosallam
Company	SEG-Qatar WII	Company	Qatar General Electricity & Water corporation- Kahramaa

Submittal No:	GTC519-SEG-C-MST-15-173	Submitted For:	Approval <input checked="" type="checkbox"/>
Revision No:	0		Information <input type="checkbox"/>
Date:	29-Mar-15		As Requested <input type="checkbox"/>

Discipline: Civil Electrical Mechanical Structural Architectural Others

Type of submittal: Method Statement / Inspection & Test Plan

Drawing Test Result / Certificates Program & schedule

Design Calculation Reports Forms/ checklist

Data sheet Pre-Qualification HSE Plan

*Materials Sketch Organization Chart

Submittal description: * For materials: Include Materials description, Brand name, item code, Manufacturer & supplier with address

Method Statement for the Thermocouple Monitoring in Concrete using Embedded Thermocouple Data Loggers - QIL
(Monitoring will be done by Third Party Testing Lab-QIL)

Attachment: Hard-1 set + 1 soft copy C: Projacs - 1 Hard & 1 soft copy

Ref. KMSpecification/QCS/BOQ/Drawing/Codes	Location/ use
	all the Project

Declaration: This is to certify that this submission has been verified and found in compliance with the contract requirements

Kemal Bayrac
Prepared by: QA/QC Mngr.

Koussay Obeid
Reviewed by: Construction Mngr.

Mohammad D Barrak
Approved by: Project Mngr.

Consultant's comments/Recommendation

PLS. REFER TO ATTACHED COMMENT SHEET.

Reviewed by: *[Signature]* Approved by: *[Signature]*

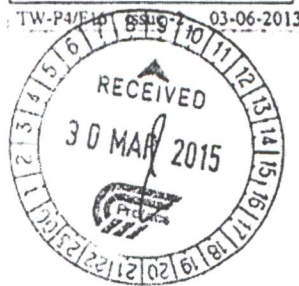
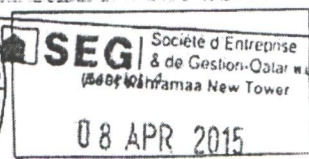
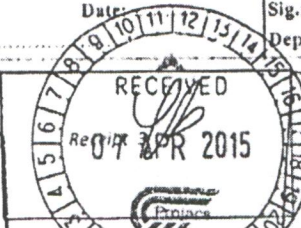
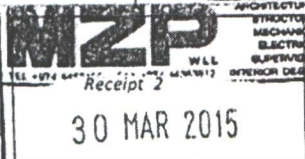
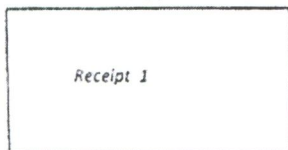
Name/Signature: *[Signature]* Date: 02/04/15 Name/Signature: *[Signature]* Date:

Comments by KAHRAMAA: I.G. REFER TO KAHRAMAA CONSULTANTS COMMENTS.

Heyyyy!

A - APPROVED B - APPROVED WITH COMMENTS C - REVISE & RESUBMIT D - REJECTED N - NOTED

Reviewed by: (Name):	Approved by: (Name):	Approved by: (Name):
Sig.: Date:	Sig.: Date:	Sig.: Date:
Dept/ Section:	Dept/ Section:	Dept/ Section:



Project Name: *[Signature]* SIQI QATAR
 Received by: *[Signature]* Site Supervisor
 Time: *[Signature]*

	ACT	HEIG	ACT	INFO
PM				
CM				
PROJ. COOR				
PROCUREMENT				
PLANNING				
QA/QC				
W/E COOR				
DC				
SURVEYOR				

RECEIVED 3-03

Project: GC11106800
Transmittal: EF/GC11106800/EXT/TN/2179
Issue date: 30-09-2014

Document	Rev.	
3433-HGE-0-15-0002	0	Prequalification Document for Qatar Industrial Laboratories - Independent Testing laboratory for testing requirement for civil works

Seq.	Section	Comment
1		- As per QP's Corporate Quality, this Lab is approved for Civil testing activities ONLY. - LSC Quality has to ensure that the Accreditation Certificates are renewed in due time.

To:	Mr. Asif Kamal Project Engineer	Subject:	Method Statement for the Thermocouple Monitoring in Concrete Using Embedded Thermocouple Data Loggers – QIL
	KAHRAMAA	Doc. Submittal Reference:	GTC519-SEG-C-MST-15-173 Rev. 0
From:	MZP, W.L.L.	Doc. Submittal Type:	Method Statement
		Doc. Received Date:	30 th March 2015

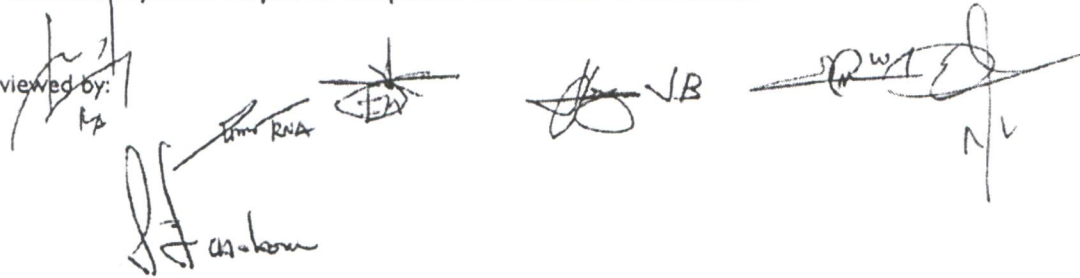
MZP Comments:

1. Ensure that all thermocouples are properly secured prior and during concreting and that the Technician is present at all times during casting.
2. SEG/QIL is required to submit record of the readings of concrete temperature and ensure proper protection measures of concrete are taken on site to control/monitor the temperature differentials and maximum temperature during curing. SEG is further advised to refer to QCS 2014 Section 5 Part 10.2.1, 10.2.2, 10.2.3, 10.2.12 and Part 6.6.1.
3. QIL to attached in their report the calibration of tools used to monitor the temperature of concrete.

Consultant's Comments/Recommendation:

No technical objection subject to compliance with the above comments.

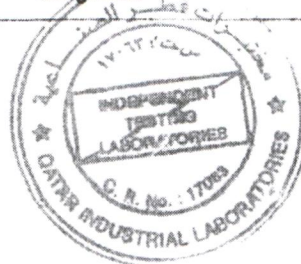
Reviewed by:


The image shows several handwritten signatures in black ink. From left to right, there are approximately seven distinct signatures. Some are accompanied by initials or names written below them, such as 'AS-Kamal' and 'RWA'. The signatures vary in style, with some being more stylized and others more legible.



External Transmittal ENGINEERING DEPARTMENT - OFFSHORE PROJECTS						
Project No. : GC11106800			Transmittal No: EF/GC11106800/EXT/TN/2179			
Contract No. : GC11106800						
Contract Title : EPIC for Power Supply Project through Submarine Cables from Ras Laffan to Halul						
Forwarded to			Codes			
Company : LS Cable & System, LTD.			1 Approved - May Proceed (Re-submission Required)			
F.a.o.: Patrick Coughlan						
Item No.	QP Document No.	Rev.	Your Ref.	Description	Code	Due date
1	3433-HGE-0-15-0002	0	LSC/TN/2654	Prequalification Document for Qatar Industrial Laboratories - Independent Testing laboratory for testing requirement for civil works	1	19-10-2014

Remarks:			
Notes :			
Document Controller	Nominated Deputy	QP Representative	Date
Tel: Ali A/hadi Mohd J Almarri, EBF401D	Tel: +974 4013 6435 Abdulla Al-Marri, EFP	<i>AM</i> Abdulla Al-Marri, EFP	30-09-2014
If applicable, please resubmit documents before due date			
Please sign a copy of this transmittal and return by mail as acknowledgement of receipt			30 SEP 2014
<i>[Signature]</i> Receivers Signature Over Printed Name	<i>Quality Manager</i> Designation	01/10/2014 Date	



EMAILED
01 OCT 2014
BY:

Fax

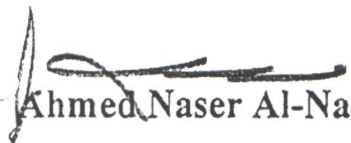
To:	M/s. Alstom Grid SAS	From:	Director - Technical Affairs
Attention:	Mr. Nabil Cheqroun Project Manager	Date:	10 OCT 2012
Fax No.:	444 86 447	Our Ref.:	TA/DO/TE/FX/12/1286
Contract No.:	GTC/465/2012 QSTEC	Pages:	1

**ESTABLISHMENT OF 220/33kV QATAR SOLAR TECHNOLOGIES SUBSTATION
GTC 465/2012-ALSTOM GRID SAS**

Approval for M/s. Qatar Industrial Laboratories

With reference to your letter ref. No. QST-ALS-65-CON-12-0035 dated 27/09/2012, please be advised that M/s. Qatar Industrial Laboratories (Third Party Lab) are herewith approved for testing of building materials, under Contract GTC/465/2012.

Regards,


Ahmed Naser Al-Nasr

CC: EPE (by fax: 444 78 572)

TE
TED
PM
MTJ

iw
QSTEC-EPE-65-CON-12-0003



Tele: (974) 4484 5333 - Fax: (974) 44845391 P O BOX 41, DOHA - QATAR.

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TE-P6/F3	Issue: 0	15-04-2012
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Fax

INFAX # 071

To:	M/s. Siemens	From:	Director - Technical Affairs
Attention:	Mr. D. Sundararaman Project Director	Date:	20 JAN 2014
Fax No.:	+974 - 4456 0378	Our Ref.:	TA/DT/TE/FAX/14/ 180
Contract No.:	GTC/488C/2012	Pages:	1 + 1

**Qatar Power Transmission System Expansion- Phase 11 Substations
 Packages S2, S3 & S7**

**Vendor Proposal - Geotechnical Investigation
 (M/s. Qatar Industrial Laboratories - QIL)**

With reference to your Ltr. Ref. No. PH11-SIE-8C-CON-13-0032 dated 6th January, 2014, please be informed that M/s. Qatar Industrial Laboratories - QIL is approved as an alternate Vendor for Geotechnical Investigation for all substations under Phase 11 - Stage 1 - Substations, Packages S2, S3, S7.

Regards,


Ahmed Naser Al-Nasr

CC: EPE (by fax: 444 7 8372)

TE
TEP
PM

PH11-EPE-8C-CON-14-0004



SIEMENS WLL - SIEMENS AG CONSORTIUM			
CONTRACT NO. GTC/488C/2012			
	ACT	INFO	REM
General Manager			
Head of Projects-Finance			
Head of Projects		✓	
Project Manager		✓	
Commercial Project Mgr.			
Contract Manager		✓	
Project Engineer			
Civil / MEP	✓		
Proc Engr - Cables			✓
Procurement			✓
Engineering			✓
Site Operations			
Site Manager			
QA/QC			✓
HSE			
Others			
FILE RECORD			
Reply	✓		No

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Electricity Projects; Tel: (+974) 4484 5333 Fax: (+974) 4484 5391 P.O. Box 41, Doha, Qatar





**EXTERNAL TRANSMITTAL NOTE
ONSHORE ENGINEERING DEPARTMENT - RAS LAFAN PROJECTS**

Project No. : 3402

Transmittal No:

Contract No. : GC11111800

EDR/GC11111800/EXT/TN/0023

Contract Title : EPIC OF JOINT FORCES, GOVERNMENT AND COAST GUARD TELECOM BUILDINGS

Forwarded to			Codes			
<p>Company : Al-Jaber Trading & Contracting Co.</p> <p align="center">F.a.o.: Mr. Alaa Radwan</p>			<p>10 Approved (Re-submission Not Required)</p>			
Item No.	QP Document No.	Rev.	Your Ref.	Description	Code	Due date
1	3402-PQD-0007	0	TN/0032	PRE-QUALIFICATION DOCUMENTS FOR MATERIAL TESTING SUBCONTRACTOR (QATAR INDUSTRIAL LABORATORIES)	10	

Remarks:

Notes :

Document Controller	Nominated Deputy	QP Representative	Date
<p>Tel: 4055049</p> <p>V. Mathew Joseph, EBN431</p>	<p>Tel: 44055934</p> <p>Emad Ahmed Miran, EDR22</p>	<p>Abdulla Al Sulaiti, EDR</p>	<p>10-05-2012</p>

- REFER TO ATTACHED COMMENTS SHEET/S AND MARKED UP ATTACHMENTS, IF ANY.
- If applicable, resubmit documents before due date
- Please sign a copy of this transmittal and return as acknowledgement of receipt

Receivers Signature Over Printed Name	Designation	Date



PROJECT :	CENTRAL PLANT CP7		
BID PACK :	1G-6A1		
DOCUMENT TYPE :	PREQUALIFICATION		
CONT. PTN NO. :	1848G/BP1G-6A1/TS/UNI/KEO/0113	DATE	19-12-2010
DTN TO CONT. :	1848G/BP1G-6A1/TS/KEO/UNI/0098	DATE	30-12-2010
DISCIPLINE:	00	GENERAL	

Document No.	Rev.	Action Code
1848G-NN-00-00003	0	A

General Comments:

Approved.


Mohammed Juetem
Resident Engineer

30-12-2010
Date



FEEB SOS FOR ADDITIONAL FIRE WATER TANK AT NGL 3 AND REPLACEMENT OF FRESH WATER
TANK AT NGL 2

APPENDIX A

3.2.7 CONTRACTOR shall include all calculations and relevant pages of references as an attachment to the report.

4.0 SUB-CONTRACTORS

4.1 Cadastral Survey

4.1.1 The Topographical survey shall be undertaken by a QP and MMUP approved cadastral survey SUBCONTRACTOR. The following list provides companies that are currently approved, however the list is subject to constant updating by MMUP;

1. Gulf International Consultants
2. Mustafawi Trading & Engineering Co
3. Bureau of Engineering Studies
4. Qatar Land Surveys
5. Concord Surveying Works Co
6. Fugro

To,
mamthg
let's discuss

4.1.2 Topographical survey SUB-CONTRACTOR shall submit method statement and project staff CV's to QP for approval prior to undertaking any site survey works.

4.2 Geotechnical / Soil Investigation Companies

4.2.1 Geotechnical investigation & preparation of geotechnical interpretative report shall be undertaken by a QP and MMUP approved SUBCONTRACTOR. The following list provides companies that are currently approved, however the list is subject to constant updating by MMUP;

1. Gulf Laboratories Co.
2. Fugro Peninsula.
3. Qatar Industrial Laboratories.

4.2.2 SUB-CONTRACTOR for geotechnical investigation and interpretative report shall submit method statement and project staff CV's to QP for approval prior to undertaking any site investigation work.



**QATAR FOUNDATION EDUCATION CITY
PROJECT TRANSMITTAL NOTE**

Bid Pack :

Contract # 1848G

Contractor :

PTN No. : 1848G/BP#1G-6A1/TS/UNI/KEO/0113

To : M/s KEO INTERNATIONAL CONSULTANT (2 Org+2 Copy+1 SC)

Date : 19-Dec-2010

C/C: M/s Qatar Petroleum (1 Copy + 1 SC)

LEED REQUIREMENT: YES NO

WE ARE SENDING HERewith THE DOCUMENTS LISTED BELOW

S. NO.	DOCUMENT NO.	REV.	DOCUMENT TITLE	ISSUED FOR	REMARKS
1	1848G-NN-00-00003	0	PREQUALIFICATION FOR INDEPENDENT LABORATORIES TESTING (QATAR INDUSTRIAL LABORATORIES W.L.L.)	APPROVAL	



GEORGE GHARZOUZI
Project Manager - UNICORP
CONTRACTOR REPRESENTATIVE

RECEIVED BY KEO

RECEIVED BY QP

Corrections or comments made relative to drawings during this review does not relieve the contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all questions and clarifications regarding fabrication procedures, techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

SECTION 9

GEO TECHNICAL AND STRUCTURAL INSTRUMENTATION

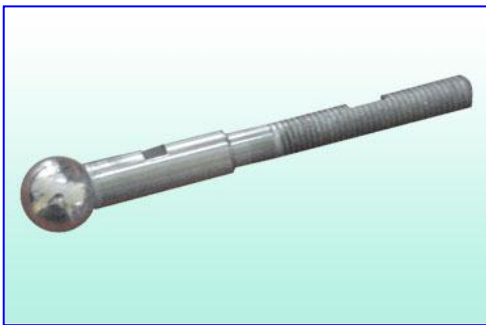
GEOTECHNICAL AND STRUCTURAL INSTRUMENTATION

Qatar Industrial Laboratories is committed to provide high quality and reliable geotechnical & structural instrumentation and monitoring results for our clients, especially in times where such monitoring have become an integral part of the construction process. We supply and install the full range of soil deformation, settlement, pressure and water level instruments for geotechnical monitoring purposes. Similarly, we also provide the full range of structural instrumentation to help engineers monitor structural deformation, movement, tilt, vibration, noise, strain and load.

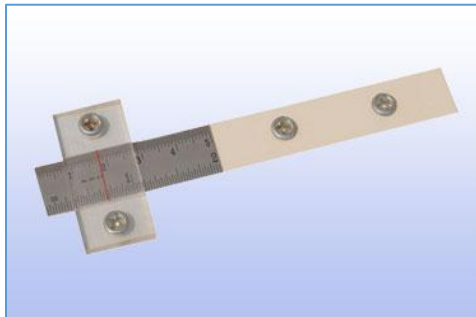
As a leading geotechnical services provider, we have undertaken a diverse portfolio of site investigation, offshore investigation, laboratory testing, instrumentation and geophysical surveying projects in Qatar.

Instrumentation works involve the analysis of structure / ground conditions during the construction work to report any variation to the original condition. Installed equipment placed in the ground and on the existing structures and roads located around the construction site of the proposed development aid to monitor any change or any abrupt behavior during the monitoring period of construction. In this process, data and information has to be periodically measured. Data integrity and periodic monitoring frequency is vital to the reliability of the report to serve its purpose of allowing construction works to be economically and safely built.

Along with full solution of monitoring, Qatar Industrial Laboratories is also providing Pre and post construction condition survey Works of structures.



Building Settlement Point



Crack meter

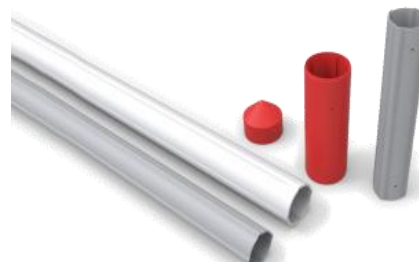


Displacement transducers

Inclinometer
Magnetic Extensometer
Crack Gauges
Building points
Settlement points
Surface settlement points
Strain gauges
Load cells
Vibration monitoring



Embankment Extensometer



Inclinometer Casing



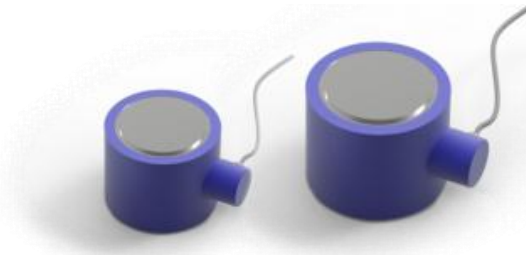
Inclinometer



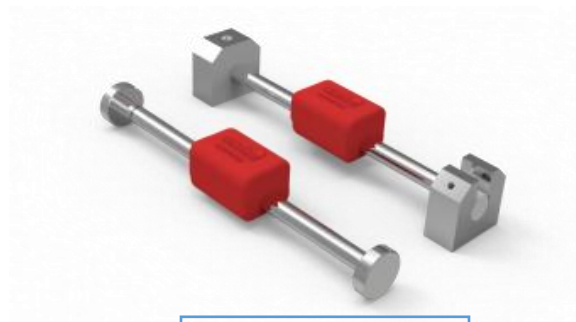
Mini Prism



Prism Target



Load Cells



Strain Gauges



Vibration & Noise Monitoring

Installation Photographs

