مختبرات قطر الصناعية ذ.م.م

QATAR INDUSTRIAL LABORATORIES W.L.L.

INDEPENDENT MATERIAL TESTING LABORATORIES

MATERIAL LABORATORY- CHEMICAL LABORATORY- GEOPHYSICAL SURVEY-
GEOTECHNICAL INVESTIGATION -AIR MONITORING STEEL& NDT

COMPANY PROFILE

CONTACT PERSON : MR.HASSAN EL ZEIN
(GENERAL MANAGER-MOBILE:55888856)

ISO/IEC17025:2017

INDUSTRIAL AREA,STREET NO.43,GATE NO.127,P.O.BOX:10415,DOHA-QATAR
TEL:00974 4601484/ 4601580, FAX: 00974 4601739, E-MAIL:qil@qilqatar.com

CONTENTS

SECTION 01

COMPANY INFORMATION

INTRODUCTION

Qatar Industrial Laboratories W.L.L (Q.I.L.) was established in Qatar in 1994. Q.I.L. is an approved laboratory both for material and geotechnical services by Qatar General Organization for Standardization (QGOS) 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, Geotextile, NDT, metallurgy, Environmental and Chemical analysis 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

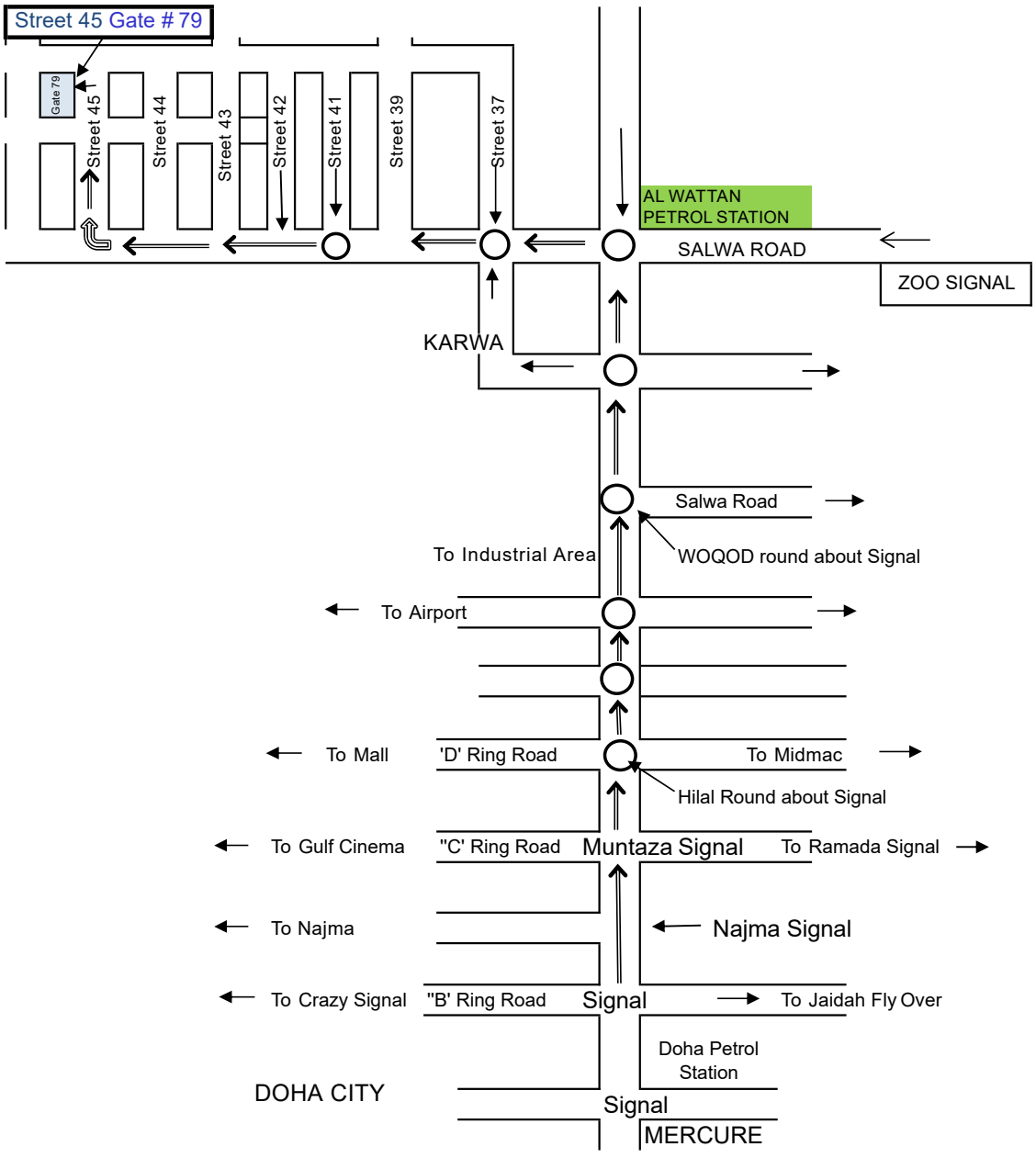
- Construction Materials Engineering
- Construction Inspection
- Aggregate Source Studies & Selection
- Material Usage & Quality Control Programs
- Field & Laboratory Testing of Concrete, Steel, Asphalt and other Construction Materials
- Assistance in establishing Concrete Batch Plants, Brick, Block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

Industrial Area, Street No.43, Gate No.127, P.O.BOX 10415,DOHA-QATAR
TEL:00974 4601484/ 4601580 Fax: 00974 4601739 E-mail: qil@qilqatar.com

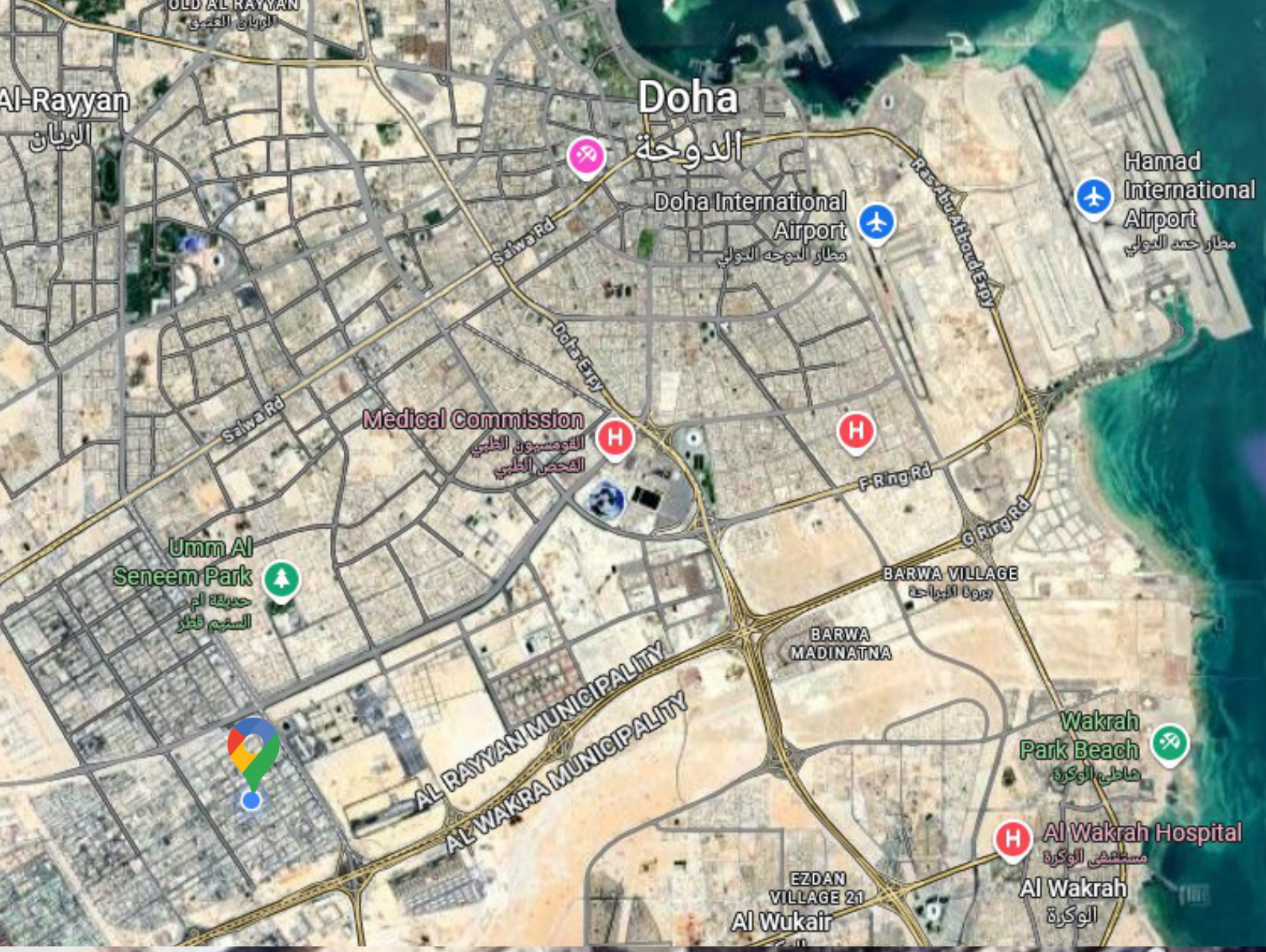
COMPANY DETAILS

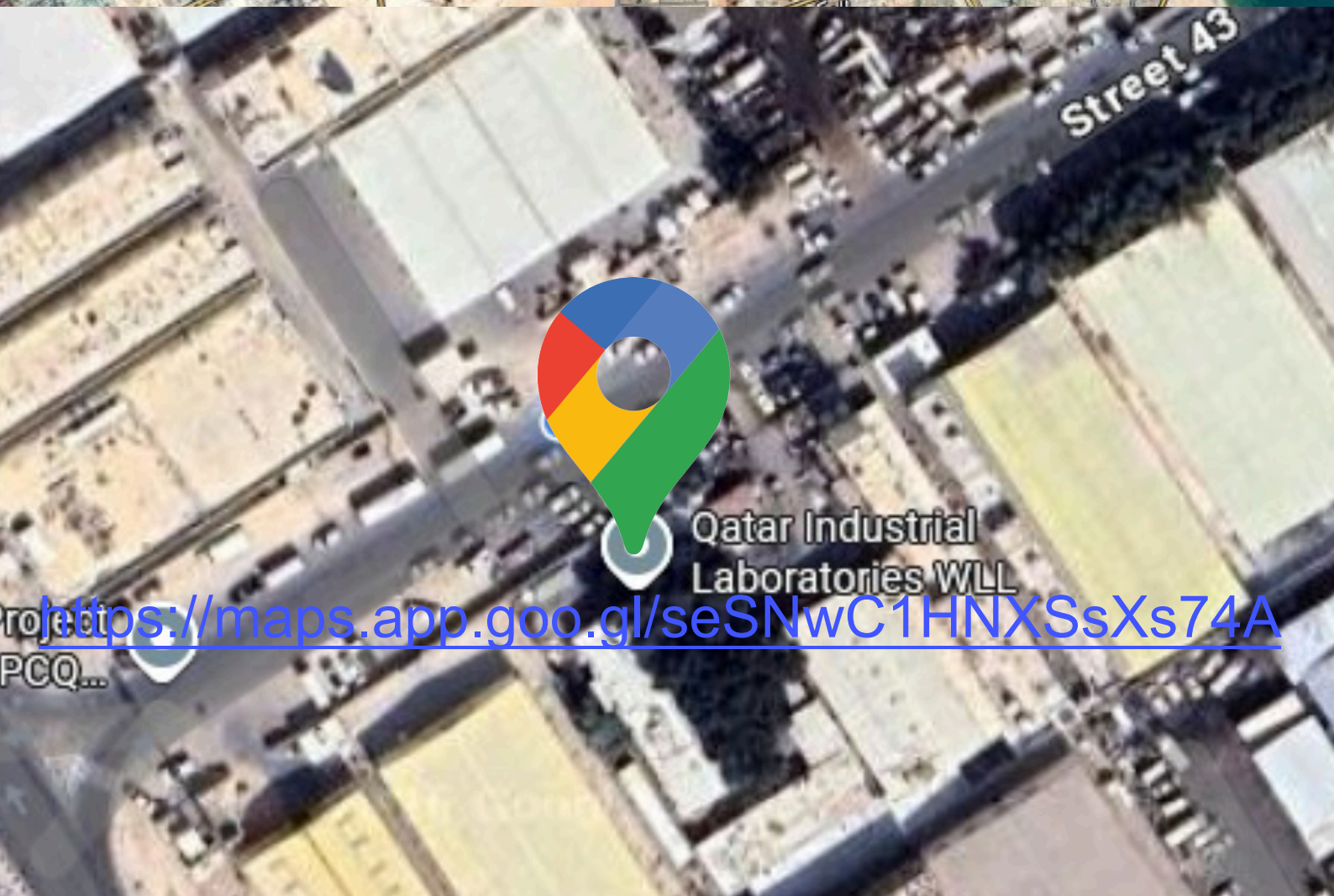
Trading License No.	8955
Commercial Registration No.	17063
Address	East Industrial Area, Street No. 43, Gate 127 PO Box 10415 Doha, Qatar
Business Hours	07:30am – 04:30pm (Saturdays through Wednesdays) 07:30am – 01:00pm (Thursday) *Note: Laboratory personnel shall be made available outside business hours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

CAMP LOCA TION MAP



(Route marked by double line arrows)


Al-Rayyan
الريان
Doha
الدوحة
Doha International Airport
مطار الدوحة الدولي
Hamad International Airport
مطار حمد الدولي
Salwa Rd
Doha Expy
Ras Abu Abboud Expy
Medical Commission
اللجنة الطبية
F Ring Rd
G Ring Rd
Umm Al Seneem Park
حديقة أم السنيم
BARWA VILLAGE
BARWA MADINATNA
AL RAYYAN MUNICIPALITY
AL WAKRA MUNICIPALITY
Wakrah Park Beach
شاطئ الوكرة
Al Wakrah Hospital
مستشفى الوكرة
EZDAN VILLAGE 21
Al Wukair
Al Wakrah
الوكرة


Street 43
Qatar Industrial Laboratories WLL
https://maps.app.goo.gl/seSNwC1HNXSsXs74A

SECTION 02

REGISTRATIONS, CERTIFICATIONS & ACCREDITATIONS

مستخرج ببعض بيانات السجل التجاري
Summary of commercial registry info

رقم السجل C.R Number	17063	تصنيف المنشأة SME Classification	متوسطة Medium
الاسم التجاري	مختبرات قطر الصناعية	الشكل القانوني	شركة ذات مسؤولية محدودة
Commercial Name	Qatar Industrial Laboratories	Legal form	Limited Liability Company

بيانات السجل التجاري
Commercial Registry Information

تاريخ الإنشاء Est. Date	تاريخ الانتهاء Expiry Date	رأس المال Capital	عدد الفروع النشطة Active Branches	جنسية المنشأة Nationality	حالة السجل C.R Status
10/11/1994	07/11/2026	400,000	1	قطر QATAR	نشط Active

اسم المالك أو الشركاء Owner Name or Partners	رقم الاثبات Identification Number	رقم السجل C.R Number	النسبة Percentage	الجنسية Nationality	الحالة Status
اسواق الخليج Aswaq Al Khaleej		7388	51	قطر Qatar	نشط Active
مجموعة المها القابضه // يوسف جاسم الدرويش و اولادهم // Almaha Holding Group- Yosof Jasim Aldarweesh and Sons		14238	49	قطر Qatar	نشط Active

اسماء المدراء Directors Names	رقم الاثبات Identification Number	الجنسية Nationality	الصفة (الصلاحية) Position (Authority)
يوسف جاسم درويش الدرويش YOUSUF JASSIM D AL-DARWISH	23763400028	قطر Qatar	مدير(صلاحيات كاملة ومطلقة) Manager(Full and Absolute Authority)
حسن احمد الزين HASSAN AHMED EL ZIN	25412400041	كندا CANADA	مدير(صلاحيات كاملة ومطلقة) Manager(Full and Absolute Authority)
ناصر جبارة محمد صالح NASIR GOBARA MOHAMED SALIH	26273600884	السودان SUDAN	مدير(صلاحيات كاملة ومطلقة) Manager(Full and Absolute Authority)
الوليد يوسف جاسم الدرويش . .	26363400038	قطر Qatar	مدير(صلاحيات كاملة ومطلقة) Manager(Full and Absolute Authority)
جاسم يوسف جاسم الدرويش JASSIM YOUSUF J AL-DARWISH	26763400907	قطر Qatar	مدير(صلاحيات كاملة ومطلقة) Manager(Full and Absolute Authority)

بيانات السجل التجاري
Commercial Registry Information

اسماء المدراء Directors Names	رقم الاثبات Identification Number	الجنسية Nationality	الصفة (الصلاحية) Position (Authority)
حسين سليمان سليمان HUSSEIN SELIMAN BARHOMA	27681801337	مصر EGYPT	مدير(الصلاحيات المالية) Manager(Financial Authority)

ت S/N	ارقام الفروع Branch's Numbers	اسم الفرع Branch Name	تاريخ الإنشاء Date Created	حالة الفرع Branch Status
1	17063/1	مختبرات قطر الصناعية Qatar Industrial Laboratories	08/10/2020	نشط Active

بيانات الأنشطة التجارية
Commercial Activities

رمز النشاط Activity code	اسم النشاط التجاري Activity Name	رمز النشاط Activity code	اسم النشاط التجاري Activity Name
2000836	اعمال حفر الاساسات وتثبيت الركائز Works of digging foundations and fixing the pillars	2001391	خدمات فحص التربة Soil testing services
415110	اعمال حفر ابار المياه Digging water wells works	2001837	تجارة معدات واجهزة الفحص والاختبار Trading in inspection and test equipment and devices.
452120	مقاولات الحفر والدفان Drilling and flattening contracts	4669063	استيراد المواد المشعه Importing radioactive materials
7120002	مختبر تحليل المياه Water analysis laboratory	7120003	اختبار انواع المعادن examine of metal kinds
7120004	الفحص والمعاينه غير التدميريه Inspection and non-destructive preview	7120005	اعمال فحص واختبار مواد البناء works of examine and experiment of building materials
7120018	معمل فحوصات التربه والمواد الخرسانيه والاسفليتيه Laboratory for testing soil and concrete and asphalt material	7120009	فحص التأكل في المنشاءات Checking erosion in the buildings
7120102	المختبرات و التحليل الكيميائي Laboratory and chemical analysis	7120013	مختبرات فحص التربة Soil testing laboratories
7120400	اختبار و قياس المؤشرات البيئية Testing and measuring environmental indicators	7120015	قياس نسب نقاوة و تلوث الهواء Measuring the percentage of the purity and politeness of the air
742230	فحص و معالجه الحراره و تخفيض الضغط Screening and heat treatment and reducing the pressure	7120017	مختبرات البيئة و القياسات الاشعاعية Laboratories of environment and radiation measurement
		7120019	مختبرات أغذية Foods laboratories

رقم قيد المنشأة Entity Number	رقم التسجيل الضريبي Tax Registration Number	الرقم الاقتصادي الموحد Unified Economic No.	غرفة قطر QATAR CHAMBER
10-6333-00	5000104398		عضو في غرفة تجارة وصناعة قطر Member of the Qatar Chamber of Commerce and Industry

وثيقة إلكترونية معتمدة بدون توقيع أو ختم، للتحقق من صحة البيانات يرجى زيارة موقع الوزارة الإلكتروني www.moci.gov.qa أو امسح رمز التحقق.
An electronic document certified without a signature or stamp. To verify the data, please visit the Ministry's website at www.moci.gov.qa or scan the QR code.

تاريخ الطباعة: 2024/11/03
صفحة رقم: No 1 of 1

إدارة التسجيل والتراخيص التجارية

وزارة التجـــــــارة والصناعـــــــة
Ministry of Commerce and Industry
State of Qatar • دولـــة قطـــر

Registration and Commercial Licenses Department

رخصة تجارية

رقم الرخصة: 8955
تاريخ اصدار الرخصة: 2014/02/23
الأسم التجارى: مختبرات قطر الصناعية
تاريخ انتهاء الرخصة: 2027/02/04
نوع المنشأة التجارية: شركة
رقم السجل التجارى: 17063
السمة التجارية:

بيانات المدير المسؤول :

اسم المدير المسئول: يوسف جاسم درويش الدرويش
رقم الإثبات: 23763400028
جنسية المدير المسئول: قطر

بيانات الموقع :

نموذج ختم المنشأة التجارية :

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

الأنشطة التجارية :

رقم النشاط	إسم النشاط
7120018	معمل فحوصات التربه والمواد الخرسانيه والاسفليتيه
7120015	قياس نسب نقاوة و تلوث الهواء
7120017	مختبرات البيئة و القياسات الاشعاعية
7120013	مختبرات فحص التربة
4669063	استيراد المواد المشعه
7120004	الفحص والمعاينه غير التدميريه

رقم النشاط	إسم النشاط
7120400	اختبار و قياس المؤشرات البيئية
7120102	المختبرات و التحليل الكيميائي
7120005	اعمال فحص واختبار مواد البناء
7120002	مختبر تحليل المياه
7120003	اختبار انواع المعادن
2001391	خدمات فحص التربة

مدير إدارة التسجيل والتراخيص التجارية

STATE OF QATAR
MINISTRY OF INTERIOR
General Directorate of Passport

دولة قطر
وزارة الداخلية
الادارة العامة للجوازات

Establishment Card بطاقــة قيد المنشأة

Est. ID	10-6333-00 رقم قيد المنشأة
اسم المنشأة : مختبرات قطر الصناعية	
Est. Name : QATAR INDUSTRIAL LABORATORIES	
Sector : HEALTHY	القطاع : صحي
First Issue : 2004-10-17	تاريخ اول اصدار :
Expiry Date : 2027-02-04	تاريخ الصلاحيــة :

مدير عام الادارة العامة للجوازات

10633300

2024/12/25 08\048

Authorizers المفوضين

التوقيع	الاسم	رقم الوثيقة
	الوليد يوسف جاسم الدرويش ALWALEED AL-DARWISH	26363400038
	يوسف جاسم درويش الدرويش YOUSUF AL-DARWISH	23763400028
	جاسم يوسف جاسم درويش الدرويش JASSIM AL-DARWISH	26763400907

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.

23/07/2020

TAXCARD-بطاقة ضريبية

The General Tax Authority of Qatar certifies that the entity is registered as per the following details:

تشهد الهيئة العامة للضرائب في دولة قطر أن الجهة أدناه مسجلة حسب البيانات التالية:

TIN Number	5000104398	رقم التعريف الضريبي
Taxpayer Name:	مختبرات قطر الصناعية Qatar Industrial Laboratories	إسم المكلف:
Commercial Registration Number	17063	رقم السجل التجاري القطري
Address [Headquarter]:	Zone:57 منطقة: Building:المبنى: Street: 43 شارع: Qatar - قطر	العنوان (المركز الرئيسي):
Main Activity:	2000836-اعمال حفر الاساسات وتثبيت الركائز 2000836-Works of digging foundations and fixing the pillars	النشاط الرئيسي:
Legal Form:	شركة ذات مسؤولية محدودة Limited Liability Company	الشكل القانوني:
Activity Commencement Date:	10/11/1994	تاريخ بدئ النشاط:
Number of Branches:	0	عدد الفروع:

Registered taxes :

الضرائب المسجلة :

Income Tax	REGISTERED-10/11/1994 - مسجل	الضريبة على الدخل

الهيئة العامة للضرائب
GENERAL TAX AUTHORITY

هذه الوثيقة مستخرجة من النظام الآلي وليس من الضروري التوقيع عليها

This is a system generated document and does not require to be signed.

توطين TAWTEEN | In-Country Value

ICV Scorecard Certificate

This Certificate is issued to:

Qatar Industrial Laboratories W.L.L

Commercial Registration Number: 17063 1 Address: PO BOX 10415,Doha,Oatar.St.43 Bldg. 127.

ICV Certification Details

Certificate Number	Certifier	Financial Year
10008573	RPME Limited	31 December 2024
Issue Date	**Grace Period Expiry Date ***	**Download Date**
07 December 2025	07 March 2027	07 December 2025

ICV Score & Contribution

evalid

On behalf of
Qatar Industrial Laboratories W.L.L

07 December 2025

Full Name
Hassan El Zein

Position
General Manager

Signature

On behalf of
RPME Limited

07 December 2025

Full Name
Hikmat Mukhaimer

Position
Regional Managing Partner

Signature

Notes 1) This ICV Certificate is an extraction from RPMELimited's full ICV report dated 07/1212025 and should be read in conjunction with the cover letter and factual findings report relevant to the ICV score in the full ICV report.
2) This full ICV report is issued vide an engagement letter between RPMELimited and Oatar Industrial Laboratories W.L.L dated 30/09/2025.RPME Limited does not accept or assume any liability. responsibility or duty ofcare for any use of or reliance on this document by anyone. other than the intended recipient to the extent agreed in the engagement letter.
3) In the case any information included in the ICV Certificate requires further validation. contact should be made with Tawteen.

, The ··Grace Period Expiry Date" identifies the end of the 15-rnonth certificate validily period (12 months of standard ICV Certificate validity + 3 months grace period). If the cernficate is in Ihe grace period, to be eligible to bid in tenders with Energy Sector companies. suppliers must submit a signed engagement letter from an ICV Certifier along with the bid documents.

REGISTRATION CERTIFICATE

الهيئة العامة القطرية للمواصفات والتقييس
Qatar General Organization for Standardization

REGISTRATION CERTIFICATE

شهادة تسجيل مختبر خاص

وفقاً للائحة الصادرة بقرار وزير البلدية والبيئة رقم (٣٥٦) لسنة ٢٠١٧م
According to the Ministerial Decree No. (356)/2017

No: RL002 -19

Date of Issue:	17/08/2025	تاريخ اصدار الشهادة:
Date of Expiry :	16/08/2026	الصلاحية حتى:
Lab Name:	مختبرات قطر الصناعية ذ.م.م Qatar Industrial Laboratories W.L.L	اسم المختبر:
Address:	منطقة ٥٧، شارع ٤٣، مبنى١٢٧، المنطقة الصناعية Zone 57,Street 43, Building 127, Industrial Area	العنوان:
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

CERTIFICATE OF ACCREDITATION

This is to attest that

QATAR INDUSTRIAL LABORATORIES W.LL

STREET NO. 43, GATE NO. 127, P.O. BOX NO. 10415
DOHA 10415, 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 November 22, 2025

International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, 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 November 22, 2025*

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Admixture	ASTM C233 Cl 11.1.1	Standard Test Method for Air-Entraining Admixtures for Concrete Cl 11.1.1 pH	Industrial Area (St. No.46) Main Lab
Admixture	ASTM E70	Standard Test Method for pH of Aqueous Solutions with the Glass Electrode	Industrial Area (St. No.46) Main Lab
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	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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	ASTM C1252	Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading)	Industrial Area (St. No.43) Main Lab
Aggregate	ASTM D75	Standard Practice for Sampling Aggregates	Field Test
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
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	Field Test
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.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	BS 812-117	Testing aggregates. Method for determination of water-soluble chloride salts Appendix C: Test Method for Determination of Chloride Content of Aggregates using a Nitric Acid Extract, for Aggregate Containing Chloride not Extracted by Water.	Industrial Area (St. No.46) Main Lab
Aggregate	BS 812-118	Testing aggregates. Methods for determination of sulphate content: Clause 6: Determination of the Total Sulphate Content by Acid Extraction	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	Field Test
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
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 Determination of Water-Soluble Chloride salts using the Volhard Method	Industrial Area (St. No.46) Main Lab
Aggregate	BS EN 1744-1	Tests for chemical properties of aggregates. Chemical analysis: Clause 10 Determination of Water-Soluble Sulphates	Industrial Area (St. No.46) Main Lab
Aggregate	BS EN 1744-1	Tests for chemical properties of aggregates. Chemical analysis: Clause 12 Determination of Acid soluble Sulfates	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Aggregate	BS EN 1744-5	Tests for chemical properties of aggregates. Determination of acid-soluble chloride salts	Industrial Area (St. No.46) Main Lab
Air Quality - Ambient / Work Zone	In-House Method (QSWI-CHEM-99-039) SENS-IT / ASTM D3249 / USEPA 40 CFR Part 50	Carbon Monoxide (CO) Nitrogen Dioxide (NO2) Ozone (O3) Benzene (C6H6) Methane (CH4) Sulphur Dioxide (SO2) Ammonia (NH3) Hydrogen Sulphide (H2S) Volatile Organic Compounds (VOC) - PID4 PM - 10 (Respirable suspended particulate matter) PM - 2.5 (Particulate Matter)	Industrial Area (St. No.46) Main Lab / Site
Air Quality - Ambient / Work Zone	In-House Method based on Automatic Weather monitoring station (WMS) -MET-3000	Meteorological Data: Temperature (Inside/Outside) Humidity (Inside/Outside) Barometric Pressure Wind Speed Wind Direction Rainfall	Industrial Area (St. No.46) Main Lab / Site
Air Quality – Indoor (IAQ)	In-House Method (Based on Manufacturers Manual AeroQual)	Oxides of Nitrogen (NO2) Particulate Matter (PM 2.5) Particulate Matter (PM 10) Sulphur Dioxide (SO2) Hydrogen Sulphide (H_2S) NMHC (Non Methanic Hydrocarbon) Ammonia (NH3) Carbon Monoxide (CO) Volatile Organic Compounds (VOC) Carbon dioxide (CO_2) Formaldehyde (HCHO) Temperature (^oC) % Relative Humidity	Industrial Area (St. No.46) 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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	ASTM D92	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	Industrial Area (St. No.43) Main Lab
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	Field Test
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 - Clause 6 & 7	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	Field Test
Asphalt	ASTM D4867	Standard Test Method for Effect of Moisture on Asphalt Concrete Paving Mixtures (TSR)	Industrial Area (St. No.43) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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	Field Test
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 D6925	Standard Test Method for Preparation and Determination of the Relative Density of Asphalt Mix Specimens by Means of the Super pave Gyratory 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/Field
Asphalt	ASTM E965	Standard Test Method for Measuring Pavement Macrotexture Depth Using a Volumetric Technique	Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	ASTM E1703	Standard Test Method for Measuring Rut-Depth of Pavement Surfaces Using a Straightedge	Field Test
Asphalt	BS EN 1426	Bitumen and bituminous binders. Determination of needle penetration	Industrial Area (St. No.43) Main Lab
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	Field Test
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 13036-6	Measurement of transverse and longitudinal profiles in the evenness	Field Test
Asphalt	Method Statement No.: QSWI-ASPH-99-030 QCS 2014, Section 06 Part 5.3.3 Paragraph 16	Marshall Retained Stability Test	Industrial Area (St. No.43) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Asphalt	Method Statement No.: QSWI-ASPH-99-031 QCS 2014, Section 06 Part 05 Table 5.12	Air Voids Percent at 400 Blows	Industrial Area (St. No.43) Main Lab
Cement	ASTM C109	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars	Industrial Area (St. No.46) Main Lab
Cement	ASTM C183	Standard Practice for Sampling and the Amount of Testing of Hydraulic Cement	Industrial Area (St. No.46) Main Lab
Cement	ASTM C187	Standard Test Method for Amount of Water Required for Normal Consistency of Hydraulic Cement Paste	Industrial Area (St. No.46) Main Lab
Cement	ASTM C191	Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle	Industrial Area (St. No.46) Main Lab
Cement	ASTM C349	Standard Test Method for Compressive Strength of Hydraulic-Cement Mortars (Using Portions of Prisms Broken in Flexure)	Industrial Area (St. No.46) Main Lab
Cement	ASTM C430	Standard Test Method for Fineness of Hydraulic Cement by the 45-µm (No. 325) Sieve	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.46) Main Lab
Cement	ASTM C1012	Standard Test Method for Length Change of Hydraulic-Cement Mortars Exposed to a Sulfate Solution	Industrial Area (St. No.46) Main Lab
Cement	ASTM C1240	Standard Specification for Silica Fume Used in Cementitious Mixtures	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-1	Methods of testing cement. Determination of strength	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-2	Method of testing cement: Chemical analysis of cement. Clause 5 (SiO_2, Al_2O_3, Fe2O, CaO, MgO, SO_3, K_2O)	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-2 Cl 4.4.1	Method of testing cement: Chemical analysis of cement. Clause 4.4.1 Loss on Ignition @ 950±25°C of Cement	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-2 Cl 4.4.3	Method of testing cement: Chemical analysis of cement. Cl 4.4.3 Insoluble Residue	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-2 Cl 4.5.16	Method of testing cement: Chemical analysis of cement. Cl 4.5.16 Chloride (Cl) Content in Cement	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-3	Methods of testing cement. Determination of setting times and soundness	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-6	Methods of testing cement. Determination of fineness & Density of Cement	Industrial Area (St. No.46) Main Lab
Cement	BS EN 196-7	Methods of testing cement. Methods of taking and preparing samples of cement	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Cement	BS EN 450-1	Fly ash for concrete. Definition, specifications and conformity criteria	Industrial Area (St. No.46) Main Lab
Chemical	ASTM C494	Standard Specification for Chemical Admixtures for Concrete: Clause.18.2 Residue by Oven Drying	Industrial Area (St. No.46) Main Lab
Chemical	ASTM C494	Standard Specification for Chemical Admixtures for Concrete: Clause 18.4 Specific Gravity	Industrial Area (St. No.46) 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. Determination of Alkalinity Part 1: Determination of Total and Composite Alkalinity	Industrial Area (St. No.46) Main Lab
Chemical	BS EN 196-2	Method of testing cement: Chemical analysis of cement. Clause 4.4.1 Determination of 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	Industrial Area (St. No.46) Main Lab
Chemical	BS EN 933-9	Tests for geometrical properties of aggregates - Assessment of fines. Methylene blue test	Industrial Area (St. No.46) Main Lab
Chemical	EN ISO 9963-1	Water quality - Determination of alkalinity - Part 1: Determination of total and composite alkalinity	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2130 B	Turbidity	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2320 B	Alkalinity: Titration Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2340 C	Hardness: EDTA Titrimetric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2510 B	Conductivity: Laboratory Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2540 B	Total Solids Dried at 103-105°C	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2540 C	Total Dissolved Solids Dried at 180°C	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2540 D	Total Suspended Solids Dried at 103-105°C	Industrial Area (St. No.46) Main Lab
Chemical	APHA 2540 F	Settleable Solids	Industrial Area (St. No.46) Main Lab
Chemical	APHA 3500 Ca B	Calcium: EDTA Titrimetric Method	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical	APHA 3500 Mg B	Magnesium: Calculation Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 4500 Cl- B	Chloride: Argentometric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 4500 Cl G	Chlorine (Residual): DPD Colorimetric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 4500 H+ B	pH Value: Electrometric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 4500 P C	Phosphorus: Vanadomolybdophosphoric Acid Colorimetric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 4500 SO42 C	Sulphate: Gravimetric Method with Ignition of Residue	Industrial Area (St. No.46) Main Lab
Chemical	APHA 5210 D	Biological Oxygen Demand: Respirometric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 5220 D	Chemical Oxygen Demand: Closed Reflux, Colorimetric Method	Industrial Area (St. No.46) Main Lab
Chemical	APHA 9223 B	Enzyme Substrate Coliform Test: E.Coli	Industrial Area (St. No.46) Main Lab
Chemical	APHA 9223 B	Enzyme Substrate Coliform Test: Fecal Coliforms	Industrial Area (St. No.46) Main Lab
Chemical	APHA 9223 B	Enzyme Substrate Coliform Test: Total Coliforms	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	SOP: QSWI-CHEM-99-020 (based on APHA 3120-B)	Metals by Plasma Emission Spectroscopy: ICP Method (Hg, Ca, Fe, K, Mg, Na, Si, B, P, Ag, Al, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V, Zn, Th and U)	Industrial Area (St. No.46) Main Lab
Chemical (Soil)	SOP: QSWI-CHEM-PAH-GC/MS-01 (based on APHA 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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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 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	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil) (cont'd.)	USEPA 8260 B (cont'd.)	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) Chemical (Soil) (cont'd.)	USEPA 8270D	Semi-volatile Organic Compounds (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 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	Industrial Area (St. No.46) Main Lab Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Soil) (cont'd.)	USEPA 8270D (cont'd.)	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 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	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
		Dibenz[a,h]anthracene Benzo[ghi]perylene	
Chemical (Water)	APHA 2320-B	Bicarbonate (Carbonate and Bicarbonate by Calculation from Alkalinity: Titration Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 2320-B	Carbonate (Carbonate and Bicarbonate by Calculation from Alkalinity: Titration Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 2540 G	Total, Fixed Solids in Solid and semi solid samples	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 2540- G	Total Volatile Solids in Solid and semi solid samples	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 9213-E	Pseudomonas Aeruginosa (Recreational Waters: Membrane Filter Technique for Pseudomonas aeruginosa)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 9240 D	Sulphate Reducing Bacteria (SRB) (SRB BART- Sulfur Bacteria)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/AWWA 4500-Cl G	Total Chlorine (DPD Colorimetric method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/AWWA 4500-S2 E or F	Sulphide (Iodometric Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA/AWWA 4500-SiIO2-C	Total Silicates (Molybdosilicate Method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 3120-B	Metals by Plasma Emission Spectroscopy. ICP Method. (Hg, Ca, Fe, K, Mg, Na, Si, B, P, Ag, Al, As, Ba , Be, Cd, Co, Cr, Cu, Mn, Mo, Ni, Pb, Sb, Se, Tl, V Zn, Th and U)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 3500-Cr B	Chromium. Colorimetric method	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 4500 NH_3 F	Nitrogen (Ammonia). Phenate Method	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 5310B	Total Organic Carbon (TOC) - High Temperature Combustion Method	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA 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	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	APHA 6440 B&C (cont'd.)	Benzo(a)pyrene Indeno (1,2,3-c.d)pyrene Dibenzo(a,h)Anthracene Benzo(g,h,i)Perylene	
Chemical (Water)	ASTM D8083	Standard Test Method for Total Nitrogen, and TKN by Calculation, in Water by High Temperature Catalytic Combustion and Chemiluminiscence Detection	Industrial Area (St. No.46) Main Lab
Chemical (Water)	ISO 11731	Legionella (Detection and enumeration of Legionella as per ISO 11731)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	APHA Test 4500 Cl G	Free Chlorine (DPD Colorimetric method)	Industrial Area (St. No.46) Main Lab
Chemical (Water)	USEPA 1664 Revision B / USEPA 9071 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)**:- Vinayl 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	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8260 B (cont'd.)	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 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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8260 B (cont'd.)		
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 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	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water) (cont'd.)	USEPA 8270D (cont'd.)	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 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/Soil)	APHA 3120-B	Arsenic (Metals by Plasma Emission Spectroscopy ICP method)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA 3120-B	Lithium (Metals by Plasma Emission Spectroscopy ICP method)	Industrial Area (St. No.46) Main Lab
Chemical (Water cont)	APHA 5210 B & 4500 O B&C 24th Edn	Biochemical Oxygen Demand (BOD)	Industrial Area (St. No.46) Main Lab
Chemical (Water cont)	APHA 6431 C - 24th Edn. / USEPA 525.5	Poly Chlorinated Biphenyls (PCB's)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA/AWWA 4500F-D	Fluoride (Spands method)	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Chemical (Water/Soil)	APHA/AWWA 4500 N	Total Kjeldahl Nitrogen (semi micro-Kjelhahl method)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA/AWWA 4500 N	Total Organic Nitrogen (semi micro-Kjelhahl method)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA/AWWA Test- 4500 NH_3 B&C	Ammonia Nitrogen (preliminary distillation step) (Titrimetric method)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA/AWWA Test- 4500- NO_2B	Nitrite Nitrogen (Colorimetric method)	Industrial Area (St. No.46) Main Lab
Chemical (Water/Soil)	APHA/AWWA 5520 B	Oil & grease (liquid-liquid, partition-gravimetric method)	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	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/ Field Test
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 C138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C143	Standard Test Method for Slump of Hydraulic- Cement Concrete	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C232	Standard Test Methods for Bleeding of Concrete	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C403	Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance	Industrial Area (St. No.46) Main Lab/ Field Test
Concrete	ASTM C642	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 C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete	Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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
Concrete	ASTM D6432	Standard Guide for Using the Surface Ground Penetrating Radar Method for Subsurface Investigation	Industrial Area (St. No.46) Main Lab
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 12.1 Determination Of Chloride Content	Industrial Area (St. No.46) Main Lab
Concrete	BS 1881-124	Testing concrete. Methods for analysis of hardened concrete: Clause 12.2 Determination Of Sulfate Content	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 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/ Field Test
Concrete	BS EN 1367-4	Tests for thermal and weathering properties of aggregates; Determination of drying shrinkage	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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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 and Field Test
Concrete	BS EN 13791	Assessment of in-situ compressive strength in structure and precast concrete	Industrial Area (St. No.46) Main Lab
Concrete	QCS 2014:Part 5 Section 6, 6.6.3a ACI 301-16 Section 08	Thermocouple; Monitoring the concrete temperature in mass concrete	Field Test
Dimension Stone	ASTM C97	Standard Test Method for Absorption and Bulk Specific Gravity of Dimension Stone	Industrial Area (St. No.46) Main Lab
Dimension Stone	ASTM C170	Standard Test Method for Compressive Strength of Dimension Stone	Industrial Area (St. No.46) Main Lab
Dimension Stone	ASTM C880	Standard Test Method for Flexural Strength of Dimension Stone	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 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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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
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
Geotechnical	BS EN ISO 22282-2 CL 7.2 & 7.3	Geotechnical investigation and testing. Geohydraulic testing - Water permeability tests in a borehole using open systems	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.46) 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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Geotextiles	ASTM D695	Standard Test Method for Compressive Properties of Rigid Plastics	Industrial Area (St. No.43) Main Lab
Geotextiles	ASTM D751 Clause 18-22	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
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 D4280 CL 9.2.2	Compressive Strength-Raised Retroreflective Pavement Markers	Industrial Area (St. No.43) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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 D4632	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles	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 Cl 6, 7, 8, 10, 11	Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material CL6 Thickness Cl 7 Load Strain Properties Cl 8 Tear Strength Cl 10 Water Absorption Cl 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
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 Cl 10	Standard Test Method for Resistance to Puncture	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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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 12127	Textiles. Fabrics. Determination of mass per unit area using small samples	Industrial Area (St. No.43) Main Lab
Geotextiles	BS EN 61537 Cl 10.2 and Annexes D & E	Cable management. Cable tray systems and cable ladder systems	Industrial Area (St. No.46) Main Lab
Geotextiles	BS EN ISO 527	Plastics. Determination of tensile properties. General principles	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 Cl 7.2.1 Procedure C Procedure D	Geosynthetics- Determination of thickness at specified pressures - single layers, Cl 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 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
Geotextiles	Ref. QCS 2014 Section 08, Part 06, Cl 6.4.6/6.4.7 Internal Method Statement	Aluminum Grating Load Test	Industrial Area (St. No.46) Main Lab
Grout	BS EN 445 Cl 4.7	Grout for prestressing tendons — Test methods Cl 4.7 Fresh density	Industrial Area (St. No.46) Main Lab/ Field Test
Grout	BS EN 445 Cl 4.6	Grout for prestressing tendons — Test methods Cl 4.6 Compressive strength	Industrial Area (St. No.46) Main Lab/ Field Test
HDPE	ISO 13953	Tensile Testing	Industrial Area (St. No.43) Main Lab
Masonry	ASTM C140	Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units	Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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 771-3	Specification for masonry units. Aggregate concrete masonry units (dense and lightweight aggregates)	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 772-16	Methods of test for masonry units - Determination of dimensions	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 Annex E-F	Concrete paving flags. Requirements and test methods - Appendix E: Determination of total water absorption F: Measurement of bending strength and breaking load	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 Measurement of bending strength	Industrial Area (St. No.46) Main Lab
Masonry	CML 09-1997	Standard Test Method for determination of Water Absorption of precast concrete paving blocks/ Masonry Units	Industrial Area (St. No.46) Main Lab
Metallurgy	ASTM E10	Standard Test Method for Brinell Hardness of Metallic Materials	Industrial Area (St. No.46) Main Lab
Metallurgy	ASTM E18	Standard Test Methods for Rockwell Hardness of Metallic Materials	Industrial Area (St. No.46) Main Lab
Metallurgy	ASTM E384	Test Method for Microindentation Hardness of Materials	Industrial Area (St. No.46) Main Lab
Metallurgy	BS EN ISO 6506-1	Metallic materials — Brinell hardness test — Part 1: Test method	Industrial Area (St. No.46) Main Lab
Metallurgy	BS EN ISO 6507-1	Metallic materials — Vickers hardness test — Part 1: Test method	Industrial Area (St. No.46) Main Lab
Metallurgy	BS EN ISO 6508-1	Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C)	Industrial Area (St. No.46) Main Lab
Metallurgy	BS EN ISO 9015-1	Destructive tests on welds in metallic materials — Hardness testing — Part 1: Hardness test on arc welded joints	Industrial Area (St. No.46) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Metallurgy	BS EN 17639	Destructive tests on welds in metallic materials. Macroscopic and microscopic examination of welds	Industrial Area (St. No.46) Main Lab / Field Test
Metallurgy	ISO 945-1	Microstructure of cast irons — Part 1: Graphite classification by visual analysis	Industrial Area (St. No.46) Main Lab / Field Test
NDT	ASME Section V	Dye penetration test	Industrial Area (St. No.43) Main Lab/ Field Test
NDT	ASME Section V	Magnetic particle inspection	Industrial Area (St. No.43) Main Lab/ Field Test
NDT	ASME Section V	Ultrasonic test -Welding	Industrial Area (St. No.43) Main Lab/ Field Test
NDT	ASTM C805	Standard Test Method for Rebound Number of Hardened Concrete	Industrial Area (St. No.46) Main Lab/ Field Test
NDT	ASTM C876	Standard Test Method for Half-Cell Potentials of Uncoated Reinforcing Steel in Concrete	Field Test
NDT	ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers	Field Test
NDT	ASTM D4694-25	Standard Test Method for Deflections with a Falling-Weight-Type Impulse Load Device	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
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/ Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
NDT	BS 1881-204	Testing concrete. Recommendations on the use of electromagnetic covermeters	Industrial Area (St. No.46) 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 12504-2	Testing concrete in structures. Non-destructive testing. Determination of rebound number	Industrial Area (St. No.46) Main Lab/ Field Test
NDT	BS EN 12504-4	Testing concrete. (Determination of ultrasonic pulse velocity)	Field Test
NDT	Internal Procedure	GRP Pipe Deflection test (Mandrel method)	Field Test
NDT	Microscope manual	Crack width measurement using microscope	Field Test
NDT	NT BUILD 492	Chloride migration test	Industrial Area (St. No.46) Main Lab
NDT-metals	ASTM D4787	Standard Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates	Field Test
NDT-metals	ASTM D5162	Standard Practice for Discontinuity (Holiday) Testing of Nonconductive Protective Coating on Metallic Substrates	Field Test
Noise Monitoring	ASTM E1503 / ASTM E1014	Standard Test Method for Conducting Outdoor Sound Measurements Using a Statistical Sound Analysis System	Field Test
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.46) Main Lab
Paint	ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser	Industrial Area (St. No.46) 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-& mu;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	Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Soil	ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))	Industrial Area (St. No.43) Main Lab
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 D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table	Industrial Area (St. No.43) Main Lab
Soil	ASTM D4254	Standard Test Methods for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density	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 D4914	Standard Test Methods for Density of Soil and Rock in Place by the Sand Replacement Method in a Test Pit	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	Field Test
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)	Field Test

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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/ Field Test
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
Soil	BS 1377-2 Section 9	Soil Sieve Analysis/Mat finer than 63 microns	Industrial Area (St. No.43) Main Lab
Soil	BS 1377-3 Section 4	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests - Determination of Organic Matter Content	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 7.3	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests – Determination of Water-Soluble Sulfate in Soil (WS)	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 7.9	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests – Determination of Acid-Soluble Sulfate (AS)	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 9.2	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests – Determination of Water-Soluble Chloride Content	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 9.3	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests - Determination of Acid-Soluble Chloride Content	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 11	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests – Determination of Total Dissolved Solids	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-3 Section 12	Methods of Test for Soils for Civil Engineering Purposes: Chemical and Electrochemical Tests – Determination of pH Value (Soil and Groundwater)	Industrial Area (St. No.46) Main Lab
Soil	BS 1377-4	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

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
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)	Field Test
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)	Field Test
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	Field Test
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.46) Main Lab/ Field Test
Soil	BS EN 933-8	Tests for geometrical properties of aggregates. Assessment of fines. Sand equivalent test	Industrial Area (St. No.43) Main Lab
Soil	BS EN 1377: 2018 Part 3, Clause 6	Loss of Ignition	Industrial Area (St. No.46) 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	ASTM A1038	Standard Test Method for Portable Hardness Testing by the Ultrasonic Contact Impedance Method	Industrial Area (St. No.43) Main Lab
Steel	ASTM E110	Standard Test Method for Rockwell and Brinell Hardness of Metallic Materials by Portable Hardness Testers	Industrial Area (St. No.43) Main Lab

Category	Standard/ Method No. /Date	Standard/ Method Title & Section	Location / Facility
Steel	BS 4449	Testing of Carbon steel bars for tensile and Rebend test	Industrial Area (St. No.43) Main Lab
Steel	BS EN 10025-2 Clause 10.2.1	Tensile Testing	Industrial Area (St. No.43) Main Lab
Steel	BS EN ISO 898-1 Clause 9.2, Clause 9.3	Mechanical properties of fasteners made of carbon steel and alloy steel Part 01	Industrial Area (St. No.43) Main Lab
Steel	BS EN ISO 15630-1	Testing of Carbon steel bars for tensile and Rebend test	Industrial Area (St. No.43) Main Lab
Steel	ISO 1083 Clause 9.1	Tensile Testing	Industrial Area (St. No.43) Main Lab
Steel	ISO 6892-1	Testing of Carbon steel bars for tensile and Rebend test	Industrial Area (St. No.43) Main Lab
Terrazzo Tile	BS EN 13748-1 Cl 4.2.1, 4.2.2, 4.2.6, 5.1, 5.2, 5.5, 5.8	Terrazzo Tiles For Internal Use- Dimensions, breaking strength, breaking load, Flexural strength, water absorption Cl 4.2.1, 4.2.2, 4.2.6, 5.1, 5.2, 5.5, 5.8	Industrial Area (St. No.46) Main Lab
Terrazzo Tile	BS EN 13478-2 Cl 4.2.1, 4.2.2, 4.2.6, 5.1, 5.2, 5.5, 5.8	Terrazzo Tiles For external use- Dimensions, breaking strength, breaking load, Flexural strength, water absorption Cl 4.2.1, 4.2.2, 4.2.6, 5.1, 5.2, 5.5, 5.8	Industrial Area (St. No.46) Main Lab

مختبرات قطر الصناعية

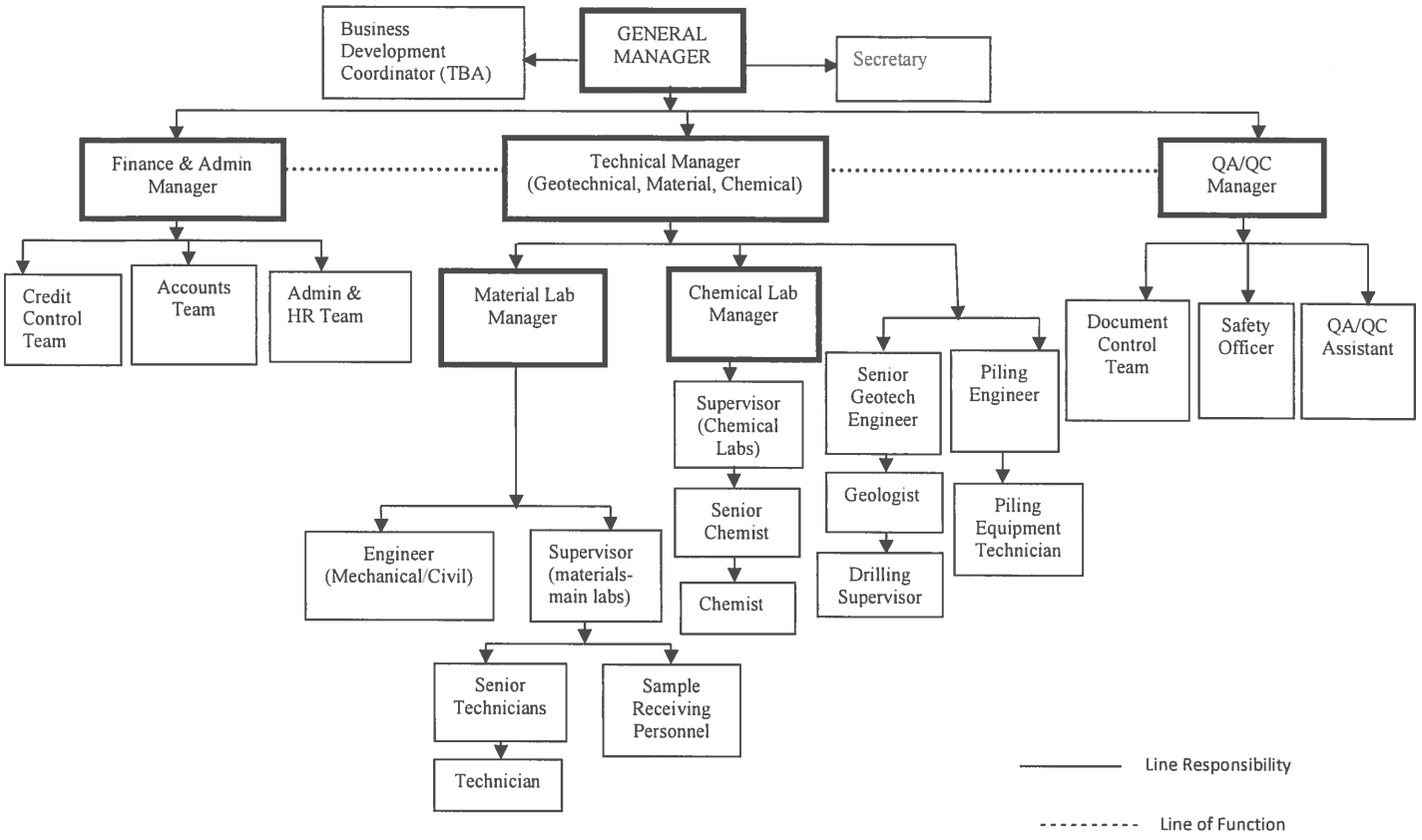
QATAR INDST. LABORATORIES

SECTION 03

ORGANIZATION

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

Annexure 3- Organization Chart



Note:

TBA - To be assigned

Deputy assignments are as follows:

FUNCTION	DEPUTY/IES
General Manager	Technical Manager
Finance & Admin Manager	Finance & Admin Supervisor
Technical Manager	Material Lab Manager
Quality Manager	Technical Manager / QA-QC Assistant

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. → 04	Amendment Date → 18-06-2025		

TECHNICAL STAFF

The staff of Qatar Industrial Laboratories consists of highly qualified and experienced quality control, geotechnical, geological,chemical and material & piling Engineers in addition to the highly experienced and trained laboratory techncians, drillers and chemists. A summary of the names, position, qualiication and field of experience is given below:

Name	*Qualification*	*Job Description*	*Field/Years of Experience*
Hussein Barhoma	B.Com	Finance & Administration Manager	Finance & Administration Manager
Fasee Ahmed	M. Tech	Technical Manager	Geotechnical, Material & Chemical
Shaikh Rafique	B.Sc Ind.Chemistry	QA/QC Manager	Qulaity Assurance / Qulaity Control
Athul Reddy	B.Tech	Material Lab. Manager	Material
Ubaid Ullah	M.Sc Geology	Snr.Geologist	Geotechnical
Fadi Turkmeni	B.Sc.in Geology / Geophysics	Snr.Geotech Engineer	Geotechnical
Nishfar	M.Sc Geology	Snr.Geologist	Geotechnical
Mohamed Ahmed Abdelghani	B.Sc In Mining and Petroleum Engineering	Geotech Engineer	Geotechnical
Michael C.Aspa	B.Sc.Civil Eng	Piling Engineer	Pile Testing
Shahnawaz Ahmed	M.Sc. Chemistry	Chemical Lab Manager	Chemical
Kunhamad Ayankadi	B.Com.	Lab Supervisor	Soil,Aggregate
Chandana Sanjeewa Kumara	BE. Civil Engineering	Lab Supervisor	Concrete
Sivasubramanian	BE. Civil Engineering	Lab Supervisor	Asphalt
Ahmed Ibrahim	B.Sc In Mining and Petroleum Engineering	Lab Supervisor	Geotextile/Metalurgy/NDT
Abdul Rahoof	Higher Secondary	FDT Dept. Supervisor	Material

SECTION 04

QUALITY,HEALTH,SAFETY & ENVIRONMENT

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.

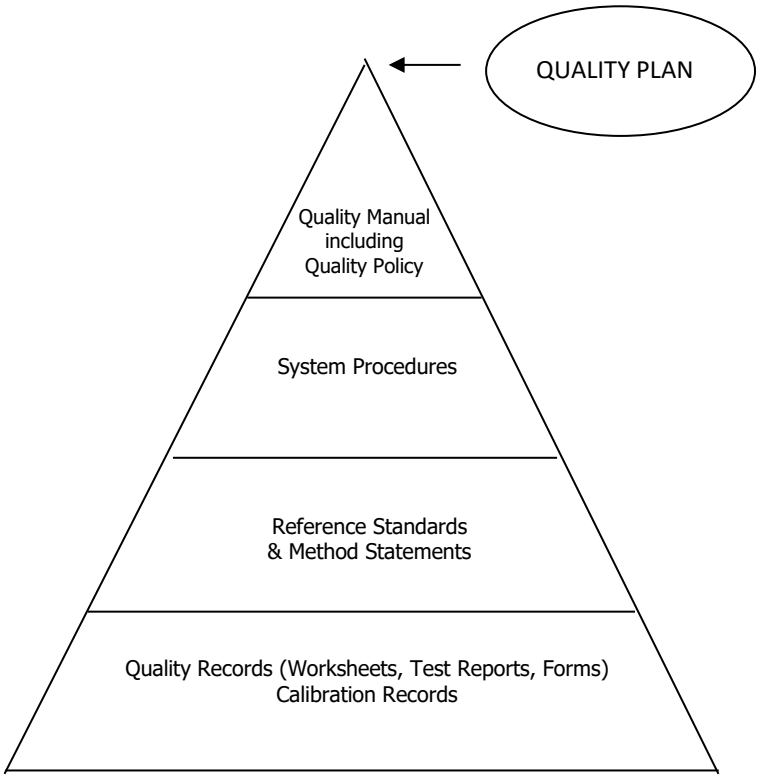
The company firmly believes that no part of its business objectives can be carried out effectively and successfully if not performed safely. HSE issues are therefore treated with the same status and importance as other business objectives. Q.I.L. considers the goal of HSE protection as a principle duty 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 : 25/01/2025

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 BS EN ISO 17025:2017.

Technical Manager 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.

مختبرات قطر الصناعية QATAR INDST. LABORATORIES	**Qatar Industrial Laboratories** **Flow Chart for Material Testing Process**	No.	E/SYS/09
		Revision No.	0
		Date:	1/7/2021

ACTIVITY	RESPONSIBLE
Start	
1. Sample Receiving	1. Sample Receiving Personnel
2. Sample Inspection (Check for condition as per reference standard)	2. Sample Receiving Personnel/ Sr. Technician/Sr. Chemist
3. Accept? — No → Reject	3. Sample Receiving Personnel/ Sr. Technician/Sr. Chemist
Yes ↓	
4. Attach identification tag	4. Sample Receiving Personnel
5. Log sample details in the sample register	5. Sample Receiving Personnel
6. Prepare test schedule	6. Supervisor
7. Sample Preparation	7. Helper/ Technician/ Chemist
8. Testing of sample	8. Authorized Technician/Chemist
9. Review result/ worksheet	9. Engineer/ Supervisor/ Sr. Chemist Sr. Technician
10. Data entry/ Preparation of final test report	10. Data Entry Clerk
11. Review of final test report	11. QC Checker
12. Approval for issuance of final test report	12. Department Manager / Sr. Chemist/ Engineer
13. Final test report releasing/ submission to client/ Uploading of final test report to Ashghal system	13. Releasing Personnel/ Document Controller
End	

Originator	Approved by	Signature	Page
Department Manager	Gneral Manager		1 of 1

	Qatar Industrial Laboratories Flow Chart for Operations of Geotechnical Services	No.	E/SYS/08
		Revision No.	0
		Date:	01.07.2021

Step 1 — Obtain instructions from client (refer to contract).

↓

Step 2 — Determine the on-site requirements and parameters required by the client.

↓

Step 3 — Take suitable samples in accordance with BS 5930/BS 1377 PART09

↓

Step 4 — Samples submitted to laboratory.

↓

Step 5 — Daily report from site given to Geotechnical Manager.

↓

Step 6 — Daily progress reported to General Manager .

↓

Step 8 — Samples tested to applicable standard.

Step 7 — Logging of Borehole & Trial pit Samples

↓

Step 9 — Compilation of Laboratory test data & Geotech site investigation data

Step 10 — Analysis of Data & Preparing Project Report by Senior Geotechnical engineers and reviewed by Geotechnical Manager with recommendations

↓

Step 11 — Submission of Geotech report to client

↓

Step 12 — Technical Clarifications if any

Originator	Approved by	Signature	Page
Deapartment Manager	General Manager		1 of 1

مختبرات قطر الصناعية

QATAR INDST. LABORATORIES

SECTION 05

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.

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.

مختبرات قطر الصناعية

QATAR INDST. LABORATORIES

SECTION 06

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 profiliometer

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. Geotechcnical 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

مختبرات قطر الصناعية

QATAR INDST. LABORATORIES

SECTION 07

MAJOR PROJECTS & CLIENTS LIST

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
DOHA MUNCIPALITY/ CSMEDI-CCD JV	Geotechnical investigation for DBOM Works for Closure & Rehabilitation of Old Landfills at Umm Al Afai	ONGOING
DOHA MUNCIALITY/CSMEDI-CCD JV	Geotechnical investigation for DBOM Works for Closure & Rehabilitation of Old Landfills at Mesaieed	ONGOING
QATAR ENERGY/ Black Cat Consulting and Engineering Services W.L.L. (BCCES).	Geotechnical investigation for FEED For Instrument Air Packages at Mesaieed Terminal and Tank Farm Area	ONGOING
KAHRAAMA/ Best & Betas Consortium	Geotechnical investigation for 132/11kV Jumailiyah Road Substation & 132/11kV Rawdat Hawtan Substation	ONGOING
QATAR ENERGY/Black Cat Consulting and Engineering Services W.L.L. (BCCES).	FEED For Station N Flare Upgrade and Safety Enhancements	ONGOING
Gulfstone Trading & Contracting	Geotechnical Investigation for for Corporation Office (2B+G+4) at Lusail Area	ONGOING
BLACK CAT	FEED SERVICES FOR DIYAB 16" WELL FLUID PIPELINE REPLACEMENT	ONGOING
BEST & BETAS CONSORTIUM	Qatar Power Transmission System Expansion for Strategic Project – Substations and Cables AL NASRANIYAH SUPER SUBTATION	ONGOING
ASHGHAL/Parsons International	DESIGN OF ROADS AND INFRASTRUCTURE FOR NUAIJA -ZONES 43 & 44 (Doha City) TASK ORDER 4	2025
PARSONS	TOS-03- DESIGN FOR AL SHAMAL ROAD IMPROVEMENT-N16 To N22	2025
QatarEnergy/ IRIS	EPIC FOR EARLY SITE PREPARATION WORKS FOR NGL-5	2025
PARSONS	DESIGN ENGINEERING CONSULTANCY SERVICES AND INFRASTUCTURE IN QATAR DOHA NORTH – NORTHERN AND WESTERN EFAS-DN 120	2025

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
UCC - InfraRoad Joint Venture	GEOTECHNICAL INVESTIGATION FOR AL DAAYAN NAVAL BASE – SEMAISMA PORT AT LUSAIL	2025
AL KAABI Contracting & Trading	GEOTECHNICAL INVESTIGATION FOR EXTENSION & RENOVATION OF L&D BUILDING AT QAPCO	2025
QD-SBG CONSTRUCTION	GEOTECHNICAL INVESTIGATION FOR LUSAIL WORKERS ACCOMMODATION	2025
SIEMENS ENERGY	GEOTECHNICAL INVESTIGATION FOR GTC 881 FACILITY E IWPP 400 kV SUBSTATION	2025
BLACK CAT	GEOTECHNICAL INVESTIGATION FOR FEED FOR SIDRA PROJECT SHELL QATAR	2025
HBK-BWTC-BEIL Consortium	GEOTECHNICAL INVESTIGATION NEW SANITARY ENGINEERED LANDFILL D-B-O & M	2025
ENERGOPROJEKT ENTEL LTD.	GEOTECHNICAL INVESTIGATION - LC23103700 - FEED FOR POTABLE WATER NETWORK UPGRADE FROM JABEL TANK FARM TO FNDS	2024
QATAR DESIGN CONSORTIUM	DESIGN BUILD OPERATE & MAINTAIN CONTRACT FOR INTEGRATED INDUSTRIAL WASTEWATER TREATMENT WORKS (IIWWTW)	2024
QBS CONSTRUCTION W.L.L	ADDITIONAL WORKS TO R & I IN AL FROOSH/KHARTHIYATH	2024
TECHNIP ENERGIES & QAPCO	TOPOGRAPHICAL & UNDERGROUND DETECTION SURVEY QAPCO NGL-5 MODIFICATION FEED	2024
MEKDAM TECHNOLOGY	GEOTECHNICAL INVESTIGATION - EPIC OF NEW DIESEL ENGINE DRIVEN 3 kV EMERGENCY GENERATOR - QE REFINARY	2024

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
DOPET	GEOTECHNICAL INVESTIGATION FOR EPIC OF IAC PACKAGE FOR BMS @ QE REFINERY MESAIEED	2024
BLACK CAT	4573-FEED FOR REDUNDUNT FUEL GAS SUPPLY TO JMDS	2024
BLACK CAT	FEED FOR NEW INJECTION HEADER FROM RG PLANT TO FAHAHIL	2024
DEBAJ INDUSTRIAL SERVICES WLL	GEOTECHNICAL INVESTIGATION FOR QAFCO ZERO LIQUID DISCHARGE(ZLD) PLANT FACILITY AT MESAIEED INDUSTRIAL CITY.	2024
INTERNAL SECURITY FORCE	GEOTECHNICAL INVESTIGATION SURVEY FOR ACCESS ROAD TO LEKHWIYA CAMP IN ZEKREET AREA	2024
MUWASALAT	GEOTECHNICAL INVESTIGATION FOR E-BUS ASSSEMBLY PROJECT IN QFZA	2024
AL BALAGH TRADING & CONTRACTING	GEOTECHNICAL INVESTIGATION EPIC FOR LPG BLENDING FACILITY AND PIPELINE	2024
RAY PROJECTS ENGINEERS & CONTRACTORS	GEO-ENVIRONMENTAL INVESTIGATION FOR DEMOLITION OFD OLD DEFUNCT PETROL STATION MESAIEED	2024
DAR AL HANDASAH CONSULTANTS	ROAD & INFRASTRUCTURE-DW092	2024
QCON	EPCC PROJECT FOR DESALINATION PLANT AND STORAGE FACILITY	2024
ZUBLIN/STRABAG	GEOTECHNICAL INVESTIGATION MAQBOOL FIDA HUSSAIN ART & CINEMA MUSEUM–EDUCATION CITY QATAR FOUNDATION	2024

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
MEDGULF CONSTRUCTION	ADDITIONAL STUDY IN FEED EPIC OF NEW EFFLUENT WAER TREATMENT PLANT FOR NGL	2024
GHARNATA CONSULTANT ENGINEERS	GEOTECHNICAL INVESTIGATION ISF FACILITY AT ZAKREET	2023
WORLEY/(QATAR ENERGY) & (QATAR GAS)	TOPOGRAPHICAL & GEOTECHNICAL INVESTIGATION FOR FEED FOR CO2 SEQUESTRATION PROJECT-RAS LAFFAN	2023
TECHNIP/(QATAR ENERGY) & (QATAR GAS)	TOPOGRAPHICAL & GEOTECHNICAL INVESTIGATION FOR FEED TO IMPROVE RELIABILITY OF GAS SUPPLY TO PLANTS -RLIC & MIC	2023
BLACK CAT ENGINEERS /(QATAR ENERGY)	GEOTECHNICAL INVESTIGATION SURVEY WORKS FOR FEED FOR DUKHAN GAS LIFT SYSTEM UPGRADE PHASE IN DUKHAN	2023
WORLEY/(QATAR ENERGY)	GEOTECHNICAL INVESTIGATION SURVEY WORKS FOR FEED FOR UPGRADE/MIGRATE OF OBSOLETE PLCS & PMS IN DUKHAN	2023
DOPET/(QATAR PETROLEUM)	GEOTECHNICAL INVESTIGATION FOR EPIC OF FACILITIES FOR GASOLINE SUPPLY & UPGRADE OF QPR QATAR PETROLEUM REFINERY TRUCK LOADING FOR FIFA 2022	2023
AL JABER ENGINEERS /(QATAR GAS)	TOPOGRAPHIC WORKS FOR PROCUREMENT & CONSTRUCTION OF EARLY SITE WORKS FOR NFS ONSHORE PROJECT-RAS LAFFAN	2023
AL JABER ENGINEERS /(QATAR GAS)	GEOTECHNICAL INVESTIGATION FOR (NFS) ONSHORE CAMP AREA-RASLAFFAN	2023
ROTARY ENG./(QATAR ENERGY)	GEOTECHNICAL INVESTIGATION WORKS FOR NEW TANK FARM, MESAIEED, EPIC FOR NEW GASOLINE & JET STORAGE FACILITIES IN MIC PHASE-2	2023
ROOTS ENERGY /(QATAR ENERGY)	GEOTECHNICAL INVESTIGATION EPIC FOR MIGRATION OF HYDROCARBON EMMISION AT QE REFINERY MESAIEED	2023

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
QATAR KENTZ/(QATAR ENERGY)	TOPOGRAPHICS SUREY WORKS FOR EPIC FOR INSTALLATION OF FLARE GAS FLOW METERS IN DUKHAN	2023
MEKDAM/(QATAR ENERGY)	TOPOGRAPHICS SUREY WORKS FOR LEAK DETECTION SYSTEM FOR CRICTICAL PIPELINES IN DUKHAN	2023
TECHNIP/(QATAR ENERGY)	TOPOGRAPHICAL & GEOTECHNICAL INVESTIGATION FOR COMMON COOLING WATER SYSTEM (CCSW) PHASE IV FOR NFS EXPANSION PROJECTS	2023
Q-CON/(QATAR PETROLEUM)	GEOTECHNICAL INVESTIGATION AT QMFY, MESAIEED AREA STATE OF QATAR	2023
Q-CON/(QATAR PETROLEUM)	GEOTECHNICAL INVESTIGATION FOR EPIC FOR INTEGRATED GAS SUPPLY TO MESAIEED CONSUMERS (IGSMC) STATE OF QATAR	2023
QATAR KENTZ /(QATAR PETROLEUM)	GEOTECHNICAL INVESTIGATION FOR EIA STUDY AT NEW TANK FARM AREA AT MESAIEED STATE OF QATAR	2023
MEKDAM TECHNOLOGY	GEOTECHNICAL INVESTIGATION FOR QATALUM ALUMINIUM PLANT PROPOSED OFFICE BUILDING MESAIEED	2023
AL JABER ENGINEERING	GEOTECHNICAL INVESTIGATION FOR GEC-DOHA WEST-DW012 ROAD & INFRASTRUCTURE IN ABU SIDRA & FREEJ AL MANASEER	2023
QDSBG	CP28-C DESIGN & BUILD OF INFRASTRUCTURE & LANDSCAPE WORKS FOR HUZOOM LUSAIL PHASE-2	2023
QDC	GEOTECHNICAL INVESTIGATION FOR SOIL AND GROUND WATER QUALITY TESTING- BU SAMRA AREA - RFO	2023

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
TECHNIP ENERGIES	FEED SERVICES TO IMPROVE RELIABILITY OF GAS SUPPLY TO POWER PLANTS	2023
BLACKCAT CONSULTING & ENGINEERING	GEOTECHNICAL INVESTIGATION FOR FEED FOR DUKHAN GAS LIFT SYSTEM UPGRADE PHASE-1	2023
WORLEY	GEOTECHNICAL INVESTIGATION FOR FEED FOR UPGRADE PLCs-WCR FOR REPLACING UPS AT 28 GLM & 13 PLC	2023
METITO, ELEGANCIA & CALIK ENERJI	GEOTECHNICAL INVESTIGATION FOR AL-WAKRA & AL WUKAIR SEWAGE TREATMENT PLANT	2023
ALJABER ENGINEERING	GEOTECHNICAL INVESTIGATION WORKS FOR NFS CAMP AREA & LOT W9	2023
CAT GROUP	EPIC FOR CONSOLIDATED PIPELINEPIPING REPLACEMENT	2023
TRUST ENGINEERING	GEOTECHNICAL INVESTIGATION FOR THE PRIVATE VILLA (VILLA 52)	2022
FAHAD AL JAHRAMI	GEOTECHNICAL INVESTIGATION FOR VILLA PROJECT (B+G+1+PH) LUSAIL	2022
AL HUDA ENGINEERING	GEOTECHNICAL INVESTIGATION FOR O&M REHABILITATION PROGRAMME UNPLANNED WORKS - QS AL KARAANA IEP	2022
BLACK CAT CONSULTING	ADDITIONAL TWO LGO STORAGE TANKS AND ONE TRANSFER PUMP AT BUNKERING TERMINAL	2022
BRICK STONE TRADING	AMINAH BINT WAHAB PREPARATORY SCHOOL FOR GIRLS	2022

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
GULF ASIA CONTRACTING	GEOTECHNICAL INVESTIGATION FOR 9009 GAC REGIONAL OFFICE	2022
SIEMENS	Soil Investigation for 220 kV Mesaieed PV Power Plant Facility Substation	2022
POWERMAN INTERNATIONAL	GEOTECHNICAL INVESTIGATION,DESIGN BUILD AND CONSTRUCTION OF STEEL CLOCKS FOUNDATIONS ROUNDABOUT RENOVATION	2022
LARSEN & TOUBRO	ESTABLISHMENT OF EHV OVER HEAD LINES/CABLES FOR SOLAR POWER PLANT & NEW SUBSTATIONS	2022
SIEMENS	66/11 KV DOHA INDUSTRIAL H S/S (PACKAGE-4)	2022
DOPET	EPIC OF FACILITIES FOR GASOLINE SUPPLY AND UPGRADE OF QPR TRUCK LOADING FACILITIES FOR FIFA 2022	2022
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

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
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		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
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

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
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 of Qatar.	Mar-21
GHARNATA CONSULTANT ENGINEERS	Geotechnical Investigation for Aspire Zone in Rayyan Area, State of Qatar.	Mar-21
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

MAJOR GEOTECHNICAL INVESTIGATION PROJECTS

CLIENT	PROJECT	YEAR
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 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

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
ITL/ JH CONST.	A TO C PROJECT 402 A	current
DREAM FUTURE CONTRACTING & SERVICE	AL WAKRA BUS DEPOT PROJECT	current
AL SRAIYA CONTRACTING	B+G+7 MIXED USED PROJECT - AL MIRQAB	current
AL WAKEEL GROUP TRADING & CONT.	BU SALBA CRUSHER	current
ITL/ JH CONST.	C- 733 RIW AL SADD	current
ITL/ AL JABER ENGG.	CENTRAL DOHA & CORNICHE BEAUTIFICATION PROJECT - PKG-2A	current
U C C- INFRAROAD JV	CENTRAL DOHA & CORNICHE BEAUTIFICATION PROJECT - PKG-4	current
MEDGULF	CO2 EXPORT FACILITIES PROJECT - RAS LAFFAN	current
CASTLE INFRA. CONTRACTING	CONST OF COMMERCIAL PLOTS SERVICE ROAD AT BIRKAT AL AWAMER LOGISTIC PARK	current
GEC CONTRACTING SERVICES & TRADING	CONST OF FOUL SEWER NETWORK FOR INNER DOHA - BIN MOHMOUD	current
ITL/ AL JABER ENGG.	CONST OF ROADS & INFRA IN -AL-SHEEHANIYA- PKG-1	current
ADEEL HEAVY EQUP. (AHE)	CONST OF ROAD & INFRA UMM AL HOUL	current
ITL/ JH CONST.	CONST. OF NORTH WEST BAY DEVELOPMENT PARK AND ROAD - WEST BAY	current
DCRW- QBEC JV	CONST. OF ROADS & INFRA. IN SOUTH OF AL MESHAF -QS049-P09	current
BOOM GENERAL CONTRACTORS	CONST. OF THREE PUBLIC PARKS AL MUNTAZAH PARK	current
PERGOLA	CP10B6 LUSAIL MARINA DISTRICT	current

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
ZUBLIN INTERNATIONAL	DESIGN & BUILD OF DOHA SOUTH TERMINAL PUMP STATION & REGINNAL ORDOUR	current
QBS CONSTRUCTION	DESIGN & BUILD OF PHASE ONE OF PERMANENT LOCATION OF DARB AL SAAI	current
DOPET	DPFU- PHASE- 01A- PKG-2- DUKHAN	current
GALFAR AL MISNAD	EPIC FOR CO2 WATER ALTERNATING GAS (WAG)	current
RAK CONTRACTING CO.	EPIC FOR NEW GASOLINE & JET STORAGE FACILITIES MIC - MESAIEED	current
TRAGS	EPIC REFINERY-1 DEMOLITION & EARLY WORK AT QP REFINERY- MESAIEED	current
POWERMAN INTERNATIONAL	FDTA FACILITY AT HAMAD INTERNATIONAL AIRPORT-HIA NEW AIRPORT	current
UCC- PROMAR JV	MARINA BEACH EXTENSION WORKS - GEWAN ISLAND	current
LARSEN & TOUBRO LIMITED	GTC/7355A/015 - ASMAKH-2	current
AL WAKEEL GROUP TRADING & CONT.	INTERIM ACCESS ROAD TO NEW INDUSTRIAL AREA BUS DEPOT	current
AL GHANIM INTERNATIONAL	INTERIM ROAD IMPROVEMENT DOHA SOUTH PHASE-1 - AL WUKAIR	current
SEA WORK CO. /GULF DRILLING	LOCATION SITE PREPARING FOR GDI- RIGS -DUKHAN	current
AL MUFTAH CONTRACTING	J 310 WOQOD PETROL STATION AT AL WAAB	current
AL MUFTAH CONTRACTING	CONSTRUCTION COMPLETION & MAINTENANCE OF TOYOTA SERVICE CENTRE & SHOWROOM AT UMM SWAYYA, AL KHOR	current
BETON	MATERIALS EVALUATION	current
DOPET	NEW MP BOILDERPROJECT J 30655 BETWEEN MP BOILDER PKG & DEMIN PKG	current

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
CITY SQUARE	NORTH FIELD EXPANSION - RAS LAFFAN	current
ITL/ AL JABER ENGG.	NORTH WAY - DAFANA	current
AL KHALEEJ BUILDING CO.	PROPOSED B+GF+1ST FLOOR+ 2ND FLOOR ETHIOPIAN ORTHODOX TEWAHADO CHURCH AT MESAIMEER	current
AHE/ WASCO	PROPOSED PIPE COOLING PLANT CWC BUILDING LOCATION C.	current
DOPET	PROPOSED WORK SHOP AND OFFICES NEW INDUSTRIAL AREA	current
QUALITY ASPHALT PRODUCTS	QAP- MESAIEED	current
QBEC	QETAIFAN ISLAND RETAIL - LUSAIL	current
LARSEN & TOUBRO LIMITED	QPTSE FOR FACILITITY E POWER EVACUATION PKG- S1 & C5	current
LARSEN & TOUBRO LIMITED	QPTSE PHASE- 13 S/S PKG- S8,S9,S12,S13,S14,S15 & S16 - ONAIZA	current
ITL/ JH CONST.	RIW IN AL SAILIYA C- 733	current
KHALID PROJECT CO.	RIW IN NORTHERN AREA PHASE-4 A (NA043)	current
AL WAKEEL GROUP TRADING & CONT.	ROAD IMPROVEMENT WORKS IN SOUTH OF GREATER DOHA - AL MESHAF	current
AL WAKEEL GROUP TRADING & CONT.	ROAD IMPROVEMENT WORKS IN SOUTH OF GREATER DOHA - BIRKAT AL AWAMER	current
AL WAKEEL GROUP TRADING & CONT.	ROAD IMPROVEMENT WORKS IN SOUTH OF GREATER DOHA - TEMPORARY SEA LINE	current
AL WAKEEL GROUP TRADING & CONT.	ROAD IMPROVEMENT WORKS IN SOUTH OF GREATER DOHA ZONE- 90 TO 95 PKG- 7	current
AL WAKEEL GROUP TRADING & CONT.	ROAD WORK IN VAIROUS AREA IN QATAR - QATAR AIRWAYS	current

MAJOR MATERIAL TESTING PROJECTS

CLIENT	PROJECT	DATE
AL WAKEEL GROUP TRADING & CONT.	ROAD WORK IN VARIOUS AREA IN QATAR - WOQOD PETROL STATION - AIN KHALID	current
AL WAKEEL GROUP TRADING & CONT.	ROAD WORK IN VARIOUS AREA IN QATAR - MAZZRATY FARM	current
AL WAKEEL GROUP TRADING & CONT.	ROAD WORK IN VARIOUS AREA IN QATAR -PLANT TRIAL	current
U C C- INFRAROAD JV	ROADS & INFRA. FOR SOUTH OF AL MESHAF P-03	current
AL DARWISH ENGINEERING	ROADS & INFRA. IN AL KHARATIYAT AND IZGHAWA - PKG- 04	current
U C C- INFRAROAD JV	ROADS & INFRA. IN AL MEARAD AND SOUTH WEST OF MUAITHER- DW- 44 PKG- 02	current
U C C- INFRAROAD JV	ROADS & INFRA. IN AL MEARAD AND SOUTH WEST OF MUAITHER- DW- 44 PKG- 06	current
QATAR BUILDING CO. (QBC)	ROADS & INFRA. IN AL SAILIYA / AL ATIYA HOUSING & AL ATIYA HOUSING ARMY CAMP ROAD- AL SAILIYA	current
GALFAR AL MISNAD	ROADS & INFRA. IN AL WAJBA EAST PACKAGE- 01	current
GALFAR AL MISNAD	ROADS & INFRA. IN AL WAJBA EAST PACKAGE- 03	current
QATAR BUILDING CO. (QBC)	ROADS & INFRA. IN DOHA INDUSTRIAL AREA PKG- 7	current
QBS CONSTRUCTION	ROADS & INFRA. IN NORTH AT MALL OF QATAR AREA AND CELEBRATION ROAD PKG- 02	current
SACYR - MED GULF	ROADS & INFRA. IN SOUTH OF AL MESHAF- PKG- 01	current
UNITED CONSTRUCTION EST. (U C E)	ROADS & INFRA. IN WAKRAH WEST (PH.2, PKG-14) PKG-2	current

مختبرات قطر الصناعية

QATAR INDST. LABORATORIES

SECTION 08

CLIENT APPROVAL LETTERS

Company Comments Review Summary

PROJECT ID	COMP9	ORIGINATOR CODE	BAQ

Reference	Rev.	Rev. Date	St.	Class	Discipline	Doc Type
COMP9-BAQ-PO-PQL-00007	00	2025-02-02	AFC	1	PO	PQL

Review Details:

Previous Rev. Return Code: A-Approved/Reviewed with no comments

Document received with Transmittal IN: COMP9-T-BAQ-QELNG-01190

Receipt Date: 2025-02-02

The Document Review has been initiated on: 2025-02-03

Review Time Frame: 14 day(s)

Role	Name	Return Code	Date of Comment
approver	Mohamed Abdelzaher Mehani (C016139)	A-Approved/Reviewed with no comments	2025-02-16

If applicable as per Approver return code, comments are available either after this page and/or as external attached comments below.

Number of annotation(s): 0

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NORTH FIELD PRODUCTION SUSTAINABILITY (NFPS) PROJECT

قطر للطاقة QatarEnergy LNG

NFPS ONSHORE BUILDINGS & INFRASTRUCTURE COMPRESSION PROJECT – COMP9

COMPANY Contract No.: LTC/C/NFP/5214/21	CONTRACTOR Project No.: 5214_21

ASSET	:	**NFPS**
Document Title	:	**PRE-QUALIFICATION FOR QATAR INDUSTRIAL LABORATORIES W.L.L - THIRD PARTY LABORATORY FOR TESTING AND INSPECTION SERVICES**
COMPANY Document No.	:	**COMP9-BAQ-PO-PQL-00007**
CONTRACTOR Document No.	:	**N/A**
Discipline	:	**PROCUREMENT**
Document Type	:	**PRE-QUALIFICATION RECORD**
Document Category/Class	:	**CLASS 1**
Document Classification	:	**INTERNAL**
Associated Tags	:	**N/A**

			LE	LRE	PRM	SHESM	PQM	PM
00	02-FEB-2025	Approved for Construction	RL	WW	AK	MM	SS	PH
C	16-JAN-2025	Issued for Approval	RL	WW	AK	MM	SS	PH
B	30-DEC-2024	Issued for Review	RL	WW	AK	MM	SS	PH
A	07-DEC-2024	Issued for Review	RL	WW	ATR	MM	AM	PH
REV.	DATE	DESCRIPTION OF REVISION	PREPARED BY	REVIEWED BY				APPROVED BY

BUILDERS Advanced Engineering & Construction WLL

Builders Advanced Engineering and Construction WLL

www.buildersqatar.com

EXTERNAL TRANSMITTAL NOTE, ONSHORE - REFINERY PROJECTS

Project No : 4565
Contract No : GC23107000
Transmittal No : PNM/GC23107000/EXT/TN/00882
Contract Title : EPIC for Instrument Air Compressors for Burner Management Systems at QatarEnergy Refinery, Mesaieed

Company : DOPET

F.a.o : Nicolas Dean Stothard

10 Approved (Re- submission Not Required)

#	Document No.	Rev	Your Ref	Description	Code	Due Date
1	4565- 14- PQD- 0003	2	GC23107000/PNM/TN/00817	PRE-QUALIFICATION DOCUMENT FOR GEOTECHNICAL INVESTIGATION SURVEY AND INDEPENDENT MATERIAL TESTING LABORATORIES FOR CIVIL WORKS (QIL)	10	

Condition :

Remarks :

Document Controller			Date
Tel : 401 36064 **Lowie Borillo**	**Tel :** 40136726 **Muhammad Waqar Saeed**	**Tel :** **Ahmad M. Al-Awlaqi**	**06/03/2025**

1. THIS TRANSMITTAL IS SYSTEM GENERATED AND SIGNED- OFF ELECTRONICALLY HENCE 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

Receiver's Signature Over Printed Name **Designation** **Date**

Comments on transmitted documents

Project :	EPIC for Instrument Air Compressors for BMS at Refinery
Transmittal No. :	PNM/GC23107000/EXT/TN/00882
Issue date :	09/03/2025

Document			Rev.	
4565- 14- PQD- 0003			2	PRE- QUALIFICATION DOCUMENT FOR GEOTECHNICAL INVESTIGATION SURVEY AND INDEPENDENT MATERIAL TESTING LABORATORIES FOR CIVIL WORKS (QIL)
	By	Section		Comment
1	PTE320 [1]			No comments

EXTERNAL TRANSMITTAL NOTE, ONSHORE PROJECTS- MESAIEED PROJECTS

Project No : 4311	Transmittal No : PNM/GC21104100/EXT/TN/0159
Contract No : GC21104100	
Contract Title : EPIC FOR AUTOMATION UPGRADE FOR NGL STORAGE AND LOADING FACILITIES, MESAIEED	

Company : DOPET F.a.o : Siraj Ahmed Khan	10 Approved (Re-submission Not Required)

#	Document No.	Rev	Your Ref	Description	Code	Due Date
1	4311-1-PQD-0001	1	GC21104100/PNM/TN/0212	PRE-QUALIFICATION DOCUMENT FOR M/S. QIL FOR GEOTECHNICAL SURVEY AND INDEPENDENT MATERIAL TESTING LABORATORIES FOR CIVIL	10	

Condition :

Remarks :

Document Controller			Date
Tel : 401 36865 Velayutham Arokiyanathan	Tel :	Tel : Ahmad Ali Mohd Al-Malik	17/01/2022

1. THIS TRANSMITTAL IS SYSTEM GENERATED AND SIGNED-OFF ELECTRONICALLY HENCE 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.

Receiver's Signature Over Printed Name | Designation | Date

EXTERNAL TRANSMITTAL NOTE, ONSHORE PROJECTS- MESAIEED PROJECTS

Project No : 4274	**Transmittal No :** PNM/GC171086E0.4274/EXT/TN/0885
Contract No : GC171086E0.4274	
Contract Title : FEED For New Diesel Engine Driven 3.3 KV Emergency Generator	

Company : M/s. TECHNIP

F.a.o : Mr. DINESH KUMAR

10 Approved (Re-submission Not Required)

#	Document No.	Rev	Your Ref	Description	Code	Due Date
1	4274-14-PQD-0001	3	GC171086E0.4274-PNM-TN-0916	PREQUALIFICATION FOR GEOTECHNICAL VENDOR - QATAR INDUSTRIAL LABORATORIES W.L.L	10	

Condition :

Remarks :

Document Controller			Date
Tel : 40136587 **Mohammed Hassan Sultan**	**Tel :** **Badar Ahmed Alawi**	**Tel :** **Ahmad Ali Mohd Al-Malik**	**12/06/2022**

1. THIS TRANSMITTAL IS SYSTEM GENERATED AND SIGNED-OFF ELECTRONICALLY HENCE 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.

Receiver's Signature Over Printed Name **Designation** **Date**

PWA/GTC/FHCSW/5/2023 (HC_006_QS) FOR QS MISCELLANEOUS HOUSE CONNECTION WORKS QATAR SOUTH		
OWNER	PUBLIC WORKS AUTHORITY	
CONTRACTOR	QTCG - MIRRIKH (JV)	

Document Title:
PREQUALIFICATION SUBMITTAL FOR QATAR INDUSTRIAL LABORATORIES W.L.L

Document Number	Revision No.02
HC006QS-PQ - 003	

هيئة الأشغال العامة PUBLIC WORKS AUTHORITY
شؤون المشروعات Projects Affairs
مشروعات شبكات الصرف الصحي Sewage Networks Projects

Review Response by Consultant	
A	Approved
	Approved with Comments
	Rejected with Comments
	For Information Only

Date:	17 Nov 2024
Reviewed by:	
Remarks:	APPROVED

ميرك كونتراكتنغ ذ.م.م MIRRIKH CONTRACTING W.L.L. C. R. No : 44290 P.O.Box : 201615 - Doha - Qatar

المجموعة القطرية للتجارة والمقاولات QATAR TRADING & CONTRACTING GROUP

	Issued for Approval	Suresh Kumar	Alam Sher	Ismail Rashdan
Date 16/11/2024	Issue Status	Prepared by	Checked by	Approved by

SUBMITTAL FOR APPROVAL OF SUBCONTRACTOR / SUPPLIER

Project Name:	Design and Build of the Environmental and Radiation Laboratories	Submittal No:	QBEC-EGEC-PQD-E&RL-CIV-0004
Contract Ref.:	C/2024/30	Rev. No.:	00
Client:	ASHGHAL	Date:	18-Aug-2024
Supervision Consultant:	EGEC	Copies:	2 Hard + Soft Copy
Designer:		From:	QBEC
Contractor:	QBEC	To:	EGEC

To: SUPERVISION CONSULTANT

We request your approval on the following Subcontractor:

SUBCONTRATOR NAME: Pre-qualification of Qatar Industrial Laboratories W.L.L (QIL)

Company Line of Work: Third - Party Laboratory – QIL | Vendor ☒ | Non-Vendor ☐

Specification	:	
Telephone	: (+974) 4601484/4601580	Vendor List:
Fax	: (+974) 4601739	
BOQ Ref. No.	:	Document No.:
Address	: Industrial area street no. 43 gate#51, P.O. Box: 40415, Doha-Qatar	
Country of Origin	: Qatar	
Contact Name	:	
Number	: 55888856	
Email	: qil@qilqatar.com	

RECEIVED 18 AUG 2024 EGEC QATAR

Contractor QAQC Engineer
Name: Ihsanullah Amiramanulla
Signature: A. Rahman
Date: 18 Aug. 2024

Contractor Project Manager:
Name: Mostafa Metwally
Signature:
Date: 18 Aug. 2024

CONSULTANT COMMENT(S):

Refer to attached CRS Sheet.

Submittal Status:
☐ A- Approved As Submitted*
☑ B- Approved as Noted*
☐ C- Revise /Resubmit
☐ D-Disapproved-Resubmit
☐ E-Receipt acknowledged

The company representative returns hereby this submittal for approval of subcontractor by the engineer. Approval by the engineer shall not releive the contractor of its obligation and liabilities under the contract or constitute authorization of any change to contract documents and therefore, shall not imply any recognition whatsoever additional time or cost to the contract.

FOR SUPERVISION CONSULTANT

QA QC Engineer	Eng. Jay Bardillon	Signature:	Date
Discipline Engineer	Eng. Wessam Noureldin	Signature:	Date
Project Manager	Eng. Alaa Mohamed	Signature:	Date

Receiving by Contractor

Name: Signature: Date:

فاكس

KAHRAMAA
كهرماء
المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

To:	**Best & Betas Consortium**	**بست آند بيتاس كونسورتيوم**	الي:
Fax No.:	+974 4497 3097		رقم الفاكس
From:	**Head of Electricity Projects (TEP)**	**رئيس مشاريع الكهرباء**	من:
Date:	**12/08/2024**		التاريخ:
Our Ref.:	**TE/TEP/4917/2024**		مرجعنا:
Total Pages:	1 *(+attachments)*		مجموع الصفحات:
Contract No.:	**GTC/1161B/2023** **Qatar Power Transmission System Expansion for Strategic Project – Substations and Cables**		رقم المشروع:
Subject:	**Submission of PQ document for " M/s. Qatar Industrial Laboratories W.L.L"**		موضوع:

بالإشارة الى الموضوع أعلاه وإلى كتابكم رقم GTC1161B-B&B-CON-24-0004 بتاريخ 2024-08-05 يرجى الطلاع على الرد أدناه وإتخاذ الإجراءات اللازمة.

With reference to your letter ref. no. GTC1161B-B&B-CON-24-0004 dated 5th August 2024 regarding the above subject, please be informed that **M/s. Qatar Industrial Laboratories W.L.L** is approved for the **SOIL INVESTIGATION WORKS** under the subject contract.

Detailed material shall be submitted for KM review and approval during engineering stage.

This approval is given pursuant to the General Conditions of Contract (GCC), Article 16, and it does not relieve you, as Main Contractor, of any contractual obligations and responsibilities. It is deemed that you have ensured that proposed Subcontractor has sufficient resources and capabilities to execute the mentioned services in line with Project Schedule & Kahramaa specifications.

Also, contractor to provide details of contract between main contractor and sub-contractors, if applicable.

Please note that the capabilities and performance of the proposed contractor **M/s. Qatar Industrial Laboratories W.L.L** shall be monitored during execution of the project and if the performance of the proposed Subcontractor is found unsatisfactory, Kahramaa reserves the right to amend this approval.

م. محمد عبدالله محمد

Ref. TA/2898/2023 & SCPKM-97-2024

CC: EDF (by fax: 4472 5615)
TE / TEP / PM

ترشيد
Tarsheed
أحد مبادرات كهرماء لدعم الاستدامة

+974 4484 5111 electricityproject@km.qa +974 4484 5191

TE-G2/F10 Issue:0.0 16-05-2024

KAHRAMAA

كهرماء

الهيئة العامة القطرية للكهرباء والماء

Qatar General Electricity & Water Corporation

FAX

km.qa

Date: 10/3/2023 2:54:20 PM
From: Abin Mohanan
To: TA FX 2898 - L&T
Total Pages: 2

Subject: TA FX 2898

Abin Mohanan

Tarsheed

5149 amohanan@km.qa 44845191 41

FAX

KAHRAMAA
كهرماء
المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

EXPO 2023 DOHA QATAR
إكسبو 2023 الدوحة قطر

To:	**Larsen & Toubro limited**	**لارسن اند توبرو**	الي:
Fax No:	+974-44551286		رقم الفاكس
From:	**Director, Technical Affairs**	**مديـــر الشؤون الفنية**	من:
Date:	**03/10/2023**		التاريخ:
Our Ref.:	**TA/2898/2023**		مرجعنا:
Total Pages:	1		مجموع الصفحات:
Contract No.:	GTC/1069/2023 – 400kV Ras Laffan Switching Station" Under the Contract "Qatar Power Transmission System Expansion for 2022 Substations".		رقم المشروع:
Subject:	**Request for Approval of M/s. Qatar Industrial Laboratories for Performing Geotechnical Investigation & Material Testing works**		موضوع:

بالإشارة إلى كتابكم رقم Ref.# GTC1069-LT-CON-23-0073، تاريخ 06.09.2023 بخصوص الموضوع أعلاه، مرفق طيه رد كهرماء المفصل للاطلاع واتخاذ ما يلزم.

With reference to your letter No. GTC1069-L&T-CON-23-0073 dated 6th September 2023 regarding above mentioned subject, please be informed that M/s. Qatar Industrial Laboratories is approved as subcontractor for Performing Geotechnical Investigation & Material Testing works under GTC/1069/2022 Project.

Please note that main contractor shall notify KM the mobilization of the new subcontractor in writing for information.

This approval is given pursuant to the General Condition of Contract GCC, Article 16 and it does not relieve you, as Main Contractor of any contractual obligation and responsibilities. Contractor must ensure that, the proposed sub-contractor has enough resources to execute within Project Schedule and Kahramaa specifications.

Please note that the capabilities and performance of the proposed Sub contractor shall be monitored during execution of the project and if the performance of the proposed subcontractor is found unsatisfactory, Kahramaa reserves the right to amend this approval.

م/ أحمد ناصر النصر

CC: EDF (by fax: 4472 5615)

Tarsheed
أحد صادرات كهرماء لخدمات الاستدامة

+974 4484 5333 electricityproject@km.qa +974 4484 5391 41

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

Project Details

Document No.:	WA037-MCT-GEN-GEN-PQN-4	Rev. No:	00	Date:	15 August 2022
Project No.:	**IA 2021 C 033 G**	Area:	**West**		
Project Title:	**RIW OUT OF GREATER DOHA PHASE 7**				
Contractor:	**Al-Mohannadi for Roads Trading & Contracting W.L.L.**	GEC:	**ITALCONSULT**		

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 / Supplier

Company Name:	**M/s Qatar Industrial Laboratories W.L.L**		
Address 1:	**Industrial area street no.43 gate #51 P.O. BOX 10415, DOHA-QATAR**		
e-mail:	**qil@qilqatar.com**		
Telephone No:	+974-44601484	Fax No:	**+974-44601739**

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

MRTC
18 AUG 2022
received by Eng. Mohsen
RECEIVED
Sign: .....

Mr. Anwar
for your Review
16/8/2022

- ☐ Sub-Contractor included In Tender Submission
- ☐ Sub-Contractor is a GCC Company

Part 2 - Product Details

received
Anw - 15.08.22
2pm

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

Section of Subcontracted Work: Third Party Laboratory for Testing

Discipline: **Civil Works**

PROJECTS M.R.T.C (1)

Bill of Quantities items to be supplied by the Subcontractor

(a) BoQ Ref. :

(b) BoQ Ref.

Part 4\3 - Contractor Authorized Representative

Name: Atef Metwally Position: Operations Manager

Signature: Date: 15 AUG 2022

Part 5 - GEC Recommendation Comments

To Contractor: only test which are accredited by Ashghal to be carried out by Qatar Industrial Laboratories W.L.L. (QIL). Sampling and testing to be carried out in full compliance with QCS 2014 applicable Standards and project requirment

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 : Mohamed Anwer Position: Material Inspector

Signature : Date: 17/8/22

Part 6 - RPD Verification (if required)

Name : Position:

Signature : Date:

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

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 Position: PROJECT DIRECTOR

Signature: Date: 07/06/2021

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 : SULTAN SHOMR, P.E Position: SENIOR RESIDENT ENGINEER

Signature : Date: 12/06/2021

Part 6 - RPD Verification (if required)

Name : Position:

Signature : 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	**Prequalification Document:** 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.

d'≡1 115111it1	Hh 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-DOC-0043	Rev. No:	COO	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		

RECEIVED
02-May-2021
Dorsch Qatar
DS016-P02

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)

0 Covering Letters from the Contractor addressed to the Supervision Consultant proposing the Sub-contractor

0 Commercial Register

0 Compliance Statement with Qatar standard specification requirements (QCS 2014 or latest updates)

0 International quality certification (BS EN ISO and / or others) BSI Kite mark,

D Company Quality Manual / Inspecting and Testing Plans

0 Summary of Experience

D Financial Status

0 Details of work being undertaken in the Region

0 Company Staff details / Management Structure

0 Equipment owned by the Company

D Sub-Contractor included In Tender Submission   0 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

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

RECEIVED 25 APR 2021 Dorsch Qatar QS049 P01

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

sacyr ENGINEERING AND INFRASTRUCTURES RECEIVED MEDGULF 04 MAY 2021 BY: 11:52

☐ Sub-Contractor included In Tender Submission ☑ Sub-Contractor is a GCC Company

Part 2 - Product Details

Section of Subcontracted Work: **Laboratory Testing (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:	[signature]	Date:	24 Apr 2021

Sacyr Medgulf JV — sacyr ENGINEERING AND INFRASTRUCTURES — MEDGULF — Al Meshaf Package1 Project. مشروع المشاف الحزمة ١

Part 5 - GEC Recommendation Comments

To Contractor:

Action Code A : ☑ Can be recommended for Approval without any comments [signature] 03/05/2021.

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 :	[signature]	Date:	4/5/21

دورش قطر Dorsch Qatar QS049 P01 GEC Project P.O. BOX : 23593

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

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

Note: This email message was automatically generated. Please do not reply to this message.

PMIS
Service Account for Share point

Publilc Works Authority

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

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

T. Rambabu.

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

Name :	Mostafa Mohamed Shamseldin	Position:	Resident Engineer
Signature :	دورش قطر Dorsch Qatar DS016-P02 GEC-8 Project	Date:	11-May-2021

Part 6 - RPD Verification (if required)

Name :		Position:	
Signature:		Date:	

DOCUMENT TRANSMITTAL

Qatar Deserves The Best

KEO International Consultants

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

AL DARWISH ENGINEERING W.L.L. PROJECT CODE DJ 746

Designation	Action	Info
PD		
PM		✓
C.M. Utilities		✓
C.M. Road		
Micro Tunnel		
Technical Manager	✓	
Planning Manager		
QA/QC Manager	✓	
Commercial Manager		
HSE		
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)

26/08/19

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)		

AL DARWISH ENGINEERING W.L.L (DJ/746) Roads & Infrastructure in Al Ebb & Leabaib

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:** 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 :

1. Coordinates of sampling & Testing location shall be recorded on the test reports.
2. All test reports shall be uploaded to QSD LASTRADA system timely.
3. QIL is listed in PWA approved List.
4. Approved to carry out only the tests mentioned in PWA List.
5. 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 _____ **Date :** 26/08/2019.

RECEIVED BY CONTRACTOR	NAME & SIGNATURE	DATE:-

RECEIVED 26 AUG 2019 AL DARWISH ENG. W.L.L. DJ/746

RECEIVED 25 AUG 2019 KEO

Review Comments Sheet (RCS)

Project Name:	*Road and Infrastructure in Al Ebb and Leabaib Package 03*	**RFS:**	*18-5585-CM00*
CS Ref. No.:	*DN099-P03-ADE-MST-CV-00006 Pre-qualification of Qatar Industrial Laboratories + CS*	**CS Rev. :**	*1*
Document. Ref. No.:	*DN099-P03-ADE-MST-CV-00006*	**Doc./Dwg. Rev. :**	*00*
Transmittal Ref. No.:	*DN099-P03-ADE-KEO-TRM-00063*	**Doc./Dwg. Received Date:**	*25-Aug-19*
Document title:	*Pre-qualification of Qatar Industrial Laboratories*	**CS Date:**	*26-Aug-19*
Engineer in charge :	*Ahmed Elkotb*	**Discipline:**	*All*

RECEIVED 26 AUG 2019 AL DARWISH ENG. W.L.L. DOH/746

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.		Latest Ashghal approved laboratory list attached	Closed
			2) Samples of Lab Test Reports.		Complied. Sample Test Reports attached.	Closed
			3) International ISO Certificates		Complied. Attached.	Closed
			4) compliance statement with QCS2014.		QIL will comply with QCS 2014 requirements for all testing works.	Closed
			5) ASHGHAL updated List of approved Tests to be done by the proposed Lab (third Party).		Ashghal approved laboratory list attached	Closed
			6) Equipment calibration Certificates.		Attached	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.

KEO International Consultants

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.

RECEIVED
26 AUG 2019
AL DARWISH ENG. W.L.L.
DJ/748

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

ASHGHAL
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PARSONS BRINCKERHOFF

ITALCONSULT

PETROSERV LIMITED

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

اللجنة العليا للمشاريع والإرث
Supreme Committee for Delivery & Legacy

الخليج للإستشارات الهندسية والصناعية
GULF ENGINEERING & INDUSTRIAL CONSULTANCY

أستاد ASTAD

Nakheel LANDSCAPES

nvsvcvc nscc International

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 AMANAULLAH - 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:

PROJECT SITE OFFICE nvsvcvc nscc international 08:20Am 06 OCT 2018 Ranjith SR.DC RECEIVED

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

ASTAD | GULF ENGINEERING & INDUSTRIAL CONSULTANCY | Nakheel LANDSCAPES

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

- ☒ Sub-Contractor / Prequalification
- ☐ Materials & Product Data
- ☐ Company Profile
- ☐ Design Calculation
- ☐ Mock Up Report
- ☐ Method Statement
- ☐ Inspection &Test Plan (ITP)
- ☐ O & M Manual
- ☐ Testing and Commissioning Report
- ☐ Others (pls. specify below)

SUBMITTAL DESCRIPTION:

☒ CIVIL	☐ STRUCTURAL	☐ ARCHITECTURAL	☐ ELECTRICAL	☐ MECHANICAL	☐ 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: [signature]	Date: 29.09.2018

Construction Supervision Review: Date Received	
PLEASE SEE ATTACHED CDF [signature]	☐Level 1 – Revise and Resubmit ☐Level 2 – No Objection with Comments ☒Level 3 – No Objection ☐Level 4 – Review not required ☐Level 5 – Rejected

Name: Naser Aziz	Position: PD	Signature: [signature]	Date: 02/10/2018

Project Management/Construction Management Recommendation: Date Received

Note: Please use additional sheets, if necessary

Engineers Authorization Required : YES ☐ NO ☐

Name: Jospeh Haddad	Position: PD	Signature: [signature]	Date: 02/10/2018

Engineer Final Feedback (WHEREVER APPLICABLE) Date Received

Note: Please use additional sheets, if necessary

Agree : YES ☐ NO ☐

Name:	Position: SC	Signature:	Date:

PROJECT SITE OFFICE — RECEIVED — 03 OCT 2018 — 08:20 AM

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للمشاريع والإرث
Supreme Committee
for Delivery & Legacy

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:

Nakheel
LANDSCAPES

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

اللجنة العليا للمشاريع والإرث
Supreme Committee for Delivery & Legacy

Approval sheet

Document owner: Martin Grobler, Project Manager.

Signature:	Date: 29/09/2018

Revision history

Revision	Date	Additions/modifications
00	09.08.2018	1st Submission – No Object with Comments.
01	29.09.2018	2nd 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:
Review date: 13/08/2018		Disposition date: 29/09/2018

Serial Number	Level 1 or 2/ Originator	Comments	Dispositions	Status/Remarks
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	☐	**Level 2** = No Objection with Comments	☒	**Level 3** = No Objection	☐
	Level 4 = Review not required	☐	**Level 5** = Rejected	☐		

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

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)

0. QA.QC Sub Contractor Assessment Form

AlNakheel Agriculture & Trading WLL النخيل للزراعة و التجارة ذ م م
P.O.Box 8873 Doha - Qatar Tel +974 4408 5333 Fax +974 4498 3420
info@nakheellandscapes.com www.nakheellandscapes.com
PAID UP CAPITAL: QAR 5,756,000 CR No 19805

QA.QCS SUB CONTRACTOR ASSESSMENT FORM

Project Name: Doha Port Redevelopment Project - Construction of Garden District Packgae Works

Project No: TD0-17-TTC-0064

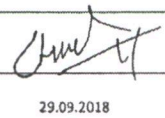
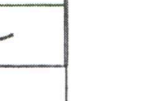
Company Name: QATAR INDUSTRIAL LABORATORIES W.L.L.

Product: GEOTECHNICAL AND STRUCTURAL INSTURMENTATION (Third Party Lab).

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

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

INTERNAL DISTRIBUTION FORM
D181

(to be filled in by Document Controller)

Document Title	Prequalification - Qatar Industrial Laboratories		
From	Dar Al Handasah Consultants	Document Date	22 May 2018
Document Reference	DN110-P05-QBS-CON-APR-A10035	Received Date	29 May 2018
Document Type	Others	Status	Approved with comments

(to be filled in by the Project Manager)

MAIN OFFICE	CC	ACTION
Managing Director		
D. Managing Director	✓	
Operations Manager	✓	
Commercial Manager	✓	
QA Manager		✓
HSE Manager		
Engineering Manager	✓	✓
Procurement		
Finance		
HR		
Logistics		
PMV		
DCC		
PROJECT	**CC**	**ACTION**
Prj. Commercial Mgr		
Prj. Engineering Mgr		
Prj. Construction Mgr		
Planning Engineer		
Project Engineer		
Site Engineer		
QA/QC Engineer		✓
Material Engineer		
Lab Technician		
Design Team		
HSE Team		
Storekeeper		

Response Required	Yes	No
For Action	Yes	No
For Information	Yes	No
Actioned by:		

(Initial if completed)

Logged	✓
Distributed	

dar | ASHGHAL قطر تستحق الأفضل Qatar Deserves The Best | (Shair & Partners) 23 MAY 2018 | QBS

Subcontractor Approval Request

RECEIVED

Project Name:	Infrastructure FS Gaps for Mall of Qatar Area and Celebration Road Foul Sewer – Package 05 (DN110-P05)	Date:	23-May-18
		Submittal No.	DN110-P05-QBS-CON-APR-A10035
Project No:	IA 2017 C 004 I	Document No.	DN110-P05-QBS-CON-PQD-A10030
Consultant:	Dar Al Handasah Consultants	Revision No.	0
Contractor:	Quality Based Structures WLL	No. of Copies	2

To: Consultant
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 WLL**
Company Line of Works: Independent Geotechnical & Material Testing Laboratories
Address: P.O.Box: 10415, St# 43, Building No. 127, Industrial Area, Qatar
Subcontractor's Principle Bank

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

☐ Commercial Register ☐ Founding Contract ☑ Summary of Experience ☐ Financial Status
☑ Present Works ☑ Company Staff ☑ Company Equipment

dar Al-handasah — Project Title: — Project No.: Q17061-02005 — Received: 23/05/2018 — TF

2 - Product

Scope of Work: Geotechnical & Material Testing Laboratories

BOQ Items: Discipline: General Materials of Road Construction
Total Value of Manufacturer (in Contract Rates): NA
Cumulative Value of Manufacturer Works to-date (In contract Rates): NA

By Contractor Authorised Representative

QBS — QUALITY BASED STRUCTURES WLL — PO BOX 37082 — PROJECT ID : IA 2017 C 004 I

Name: Saju George Signature: [signature] Date: 23-May-18

Consultant's Recommendation Comments:

To: Contractor
. QIL is listed in PWA Approved Laboratories list.
· Approved to carry out only the tests mentioned in PWA list
· Subject to compliance with all relevant standards in QCS 2014.

Submittal
☐ A. Approved As Submitted ☑ B. Approved - Except as Noted
☐ C. Disapproved - Resubmit ☐ D. Revise - Resubmit

By the Consultant
Name: Tony Forah Signature: [signature] Date: 22/05/18

PMC/PWA's Response (If required)

To: Consultant

Further Comment:

QBS RECEIVED 5:00 Am 29 MAY 2018
PROJECT ID : IA 2017 C 004 I

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

PWA Authorised Representative (if required)

Name: Signature: Date:

Qatar
Local Roads & Drainage

Subcontractor Approval Request

Section	Construction Proforma		
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

035909
02 JAN 2018
11:05 2:34pm

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

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

- [x] Commercial Register
- [ ] Founding Contract
- [x] Summary of Experience
- [ ] Financial Status
- [x] Present Works
- [x] Company Staff
- [x] Company Equipment

R.C

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.Mallouhi Date: 2-Jan-2018

GEC's Recommendation Comments:

To: Contractor – we have no objection to carryout the Ashghal 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
- [x] B. Approved - Except as N
- [ ] C. Revise & Resubmit
- [ ] D. Rejected

3/1/18

By the GEC
Name: A EL SAYED Signature: Hyder Date: 3-1-2018

Hyder Consulting Middle East Ltd.
P.O.Box 1654, Doha Qatar
Telephone 44245000 Fax 44245001

PMC/PWA's Response (If required)

To: GEC

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)

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**

قطر تستحق الأفضل
Qatar Deserves The Best

Consultant : **Dar Al Handasah Consultants**

Contractor : **Quality Based Structures WLL**

QUALITY BASED STRUCTURES WLL

KAHRAMAA — Qatar General Electricity & Water Corporation — ENERGOPROJEKT ENTEL LTD — Hyder — LEIGHTON CONTRACTING

Technical Affairs - Water Projects Department

DOCUMENT SUBMITTAL

Project [1]: Construction of Mega Reservoirs PRPS-3, Rawdat Rashed		Contract no.[2]: GTC/626D/2014			
From[3]	Jeremy Lai	To[4]	Mr. Jabr Rashid Al Nuaimi		
Company	Leighton Contracting (Qatar) WLL	Company	KAHRAMAA, Water Projects Department.		
		cc: Energoprojekt Entel Ltd & Hyder Consultants Middle East Ltd.			
Submittal No:[5]	GTC626D-LCQ-C-QFN-18-009 (WMR-LCQ-PR3-DSK-18-0714)_R	Submitted For:[8]	Approval	[X]	
Revision No.:[6]	0		Information	[ ]	
Date:[7]	10-Apr-18		As Requested	[ ]	

Discipline:[9] [ ] Architectural [X] Civil [ ] Structural [ ] Electrical [ ] Mechanical [ ] Instrumentation [ ] General

Type of submittal [10]

[ ] Design drawing (DWG)	[ ] Inspection & test plan (ITP)	[ ] Reports; progress, quality, FAT... (RPT)
[ ] Issue for construction drawings(IFC)	[ ] * Materials (MAT)	[ ] Test result / certificates (TRC)
[ ] Shop drawing (SHD)	[ ] Method statement (MST)	[ ] Tender documents (TDR)
[ ] As-Built drawings (ABD)	[ ] Organization chart / CV (OCV)	[ ] HSE plan/report (HSE)
[ ] Sketch (SKT)	[X] Pre-qualification (QFN)	[ ] Operation & Maintenance Manual (OMM)
[ ] Data sheet (DTS)	[ ] Program & schedule (PGS)	[ ] Procedures/Forms/ checklist (FRC)
[ ] Design calculation (DEC)	[ ] Project quality plan (PQP)	[ ] Other (OTH)

Submittal Description: [11] * For materials: Include Materials description, Brand name, item code, Manufacturer & supplier with address.

Drawing/Document No.	Rev.	Description	No.of Pages
WMR-PR3-53-10-V082	A	Prequalification Document of M/s. Qatar Industrial Laboratories W.L.L. as Third Party Testing/Inspection Laboratory for Asphalt Works	134

Attachment: Hard - 1 copies + CD - 1 copies + Samples 0 nos., (*Required: data sheet, compliance statement, other supporting docs.)

Ref. KM Specification/QCS/BOQ/Drawing/Codes [12]	Location/ use [13]
QCS 2014 Section 2 Part 7	GTC626D/2014 - Road Works

Declaration [14]: This is to certify that this submission has been verified and found in compliance with the contract requirements.

Prepared by: Name/Sig./date	QA/QC Reviewed by: Name/Sig./date	Approved by: Name/Sig./date
Samuel.P.S.	Sudhakar Akula	Ng Kim Hock

Consultant's Comments [15]

Please find comments from DDSSC / PMC

Reviewed by:	Approved by:
Name/ Signature:	Name/ Signature:
Date: 22.4.2018	Date: 22/04/18

ENERGOPROJEKT-ENTEL p.l.c. BEOGRAD

Comments By KAHRAMAA [16]

Ashgal approval is awaited.

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

Reviewed by: (Name):	Approved by: (Name) :	Approved by: (Name) :
Sig.: Date: 25/4/18	Sig. : Date:	Sig. : Date:
Dept/ Section:	Dept/ Section:	Dept/ Section: 26 APR 2018

Acknowledged by (put stamps here from left towards right in sequence of date of receipt)

17			
25 APR 2018 Receipt 1	Receipt 2	Receipt 3	Receipt 4

KAHRAMAA المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

Technical Affairs- Water Projects Department

DOCUMENT REVIEW SHEET

Project name	Construction of Mega Reservoirs PRPS 3 – Rawdat Rashed	Date: April 17, 2018
Project no.	GTC/626/2014D	

Submittal Ref. no	WMR-LCQ-PR3-DSK-18-0714	Rev No: 0	Submittal Date: 10/04/2018
Submittal Type	PRE-QUALIFICATION DOCUMENT OF M/S QATAR INDUSTRIAL LABORATORIES W.L.L. AS THIRD-PARTY TESTING/INSPECTION LABORATORY FOR ASPHALT WORKS		

Discipline	☐ Architectural	☒ Civil	☐ Structural	☐ Electrical	☐ Mechanical	☐ Instrumentation	☐ General

By Initiator						By Contractor/Consultant	
Sl. No.	Document/ Drawing no.	Rev. no.	Section /Page	Comments issued by Kahramaa/Consultant	Review Status	Action by Contractor/ Consultant	Evidence/Reference of Compliance
1	WMR-PR3-53-10-V082	A		DDSSC reviewed this **Prequalification** and Contractor to note the following comments: - 1. The proposed vendor's complete scope of works to be provided. 2. The contractor to note that proposed testing laboratory is acceptable only for scope of accreditation issued by international accreditation service and Ashghal. Contractor to propose another third-party laboratory if any other scope not approved for this laboratory. 3. Submit CVs of the technical team with required certificates especially for the specified works for this project. 4. The Contractor is responsible to confirm this vendor shall be able to execute the works in accordance with the requirements of the Approved Program and that no slippage from this Program will occur.	B		

Reviewed by: Signature:	Name:	Designation:	Date:
	Badie AlTimimi	Chief Resident Engineer	April 17, 2018

				5. The Contractor is responsible for ensuring all the works are conducted in accordance with the Project Specifications / QCS and all the test results to be submitted for review and approval. 6. The Contractor shall comply with all requirements of Assignment and Sub-contracting the works as defined in Article 16 of GCC of contract documents.			

Reviewed by: Signature:	Name:	Designation:	Date:
	Badie AlTimimi	Chief Resident Engineer	April 17, 2018

KAHRAMAA الشركة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation
Technical Affairs - Electricity Projects Department

Fax

INFAX # 1647

To:	M/s. Siemens	From:	Manager, Electricity Projects
Attention:	Mr. Udo Wajs Project Director	Date:	01 NOV 2015
Fax No.:	44 84 53 91	Our Ref.:	TA/TE/FAX/15/ 1577
Contract No.:	GTC/643A/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,

Mohammed M. Al-Dosari

TEP
PM

SIEMENS CONSORTIUM - PH 12						
Contract	GTC / 643A / 2014					
	GTC / 643D / 2014					
Package	S1	S2	S6	S7	S11	COMM
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

SIEMENS
01 NOV 2015
Energy Management
Transmission Solutions

UW
MU
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 Wll	Company	Qatar General Electricity & Water corporation-Kahramaa

Submittal No:	GTC519-SEG-C-MST-15-173	Submitted For:	Approval	✓
Revision No:	0		Information	
Date:	29-Mar-15		As Requested	

Discipline: ✓ Civil ☐ Electrical ☐ Mechanical ☐ Structural ☐ Architectural ☐ Others

Type of submittal

- ☐ Drawing
- ☐ Design Calculation
- ☐ Data sheet
- ☐ *Materials
- ✓ Method Statement / Inspection & Test Plan
- ☐ Test Result / Certificates
- ☐ Reports
- ☐ Pre-Qualification
- ☐ Sketch
- ☐ Program & schedule
- ☐ Forms/ checklist
- ☐ HSE Plan
- ☐ 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 Cc: 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 Baymac
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:

Name/Signature:

Date: 02/04/15

Approved by:

Name/ Signature:

Date:

Comments by KAHRAMAA

RE: REFER TO ATTACHED CONSULTANTS COMMENTS.

Heyyyy !

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

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

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

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

Receipt 1

TW-P4/F10 Issue-2 03-06-2013

MZP WLL ARCHITECTURAL STRUCTURAL MECHANICAL ELECTRICAL SUPERVISION INTERIOR DESIGN
Receipt 2
30 MAR 2015

RECEIVED
Receipt 3
07 APR 2015
Projacs

SEG Société d'Entreprise & de Gestion-Qatar WLL
Kahramaa New Tower
08 APR 2015

Sheet 1 of 1
RECEIVED 3:03

RECEIVED
30 MAR 2015
Projacs

Project Name:
Received by:
Time: 5:55AM Site Supervision

SEG | QATAR
Société d'Entreprise & de Gestion-Qatar Ltd
Construction of New Kahramaa Tower

	ACT	INFO		ACT	INFO
PM		✓	CIVIL		✓
CM		✓	ELECT		
PROJ. COOR			MECH		
PROCUREMENT			ARCH		
PLANNING			HSE		
QA/QC		✓	LOGISTIC		
SITE COOR			QIL		
DC					
SURVEYOR			FILE ONLY		

MZP WLL

NEW KAHRAMAA TOWER CONSULTANT COMMENTS

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:	30th 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:

KAHRAMAA
Qatar General Electricity & Water Corporation

Technical Affairs - Electricity Projects Department

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

KAHRAMAA FAXED DATE.....

CC: EPE (by fax: 444 78 572)

TE
TED
PM
MTJ

KAHRAMAA COPY

QSTEC-EPE-65-CON-12-0003

GRID
SYSTEMS DOHA
QATAR

ALSTOM Grid SAS
Immeuble Le Galilée
51, esplanade du Général de Gaulle
92907 La Défense Cedex
France

ALSTOM

16th October 2012

Gulf Contracting Co.
P.O.Box 3886
Doha
State of Qatar

Attn : Mr. Santosh James
cc : Mr. Sunil Malik

Fax No.44 99 4 555

Y Ref :
O Ref : QST-AG-GCC-LTR-12-0034
No. of pages: 1 +1

Subject: **GTC/465/2012: Establishment of 220/33kV Qatar Solar Technologies Substation**
Kahramaa Approval - QSTec 220/33kV Substation – Prequalification for Qatar Industrial Laboratories

Dear Sir,

Please find attached Kahramaa Approval through Letter ref: TA/DO/FX/12/1286 dated 10th October 2012, which is self explanatory for your information..

Best regards,

RECEIVED
21 OCT 2012
Gulf Contracting Co

Nabil Cheqroun
Project Manager

cc : F. Scultore

ALSTOM Grid SAS Qatar Branch
West Bay - Amwal Tower – 13th & 14th floor
Tel.: (+974) 444 86 400 – Fax: (+974) 444 86 447
PO Box 6835 – Doha, Qatar

KAHRAMAA المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

ELECTRICITY PROJECTS (TECHNICAL AFFAIRS)

GTC123/2006/B

QATAR POWER TRANSMISSION SYSTEM EXPANSION-SUBSTATIONS

PHASE VII

DOCUMENT TRANSMITTAL ADVICE

To:	From:
SIEMENS CONSORTIUM Project Manager Fax # 436 96 42	Eng. Sulaiman S.J. Abdulla Project Manager KAHRAMAA
cc: ENERGOPROJEKT-FICHTNER CONSORTIUM Fax # 44 78 572	KM Ref.: PH7-1KM-3B-DTA-07-0739 Date: 20 MAR 2007

Sl. No.	Enhancement	DTS No. & Date	Document / Drawing No.	Rev.	Subject	Status
1	SIE-GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-V001	1	Company Profile of Qatar Engineer & Associates	A
	SIE-GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-V006	1	Company Profile of Qatar Industrial Laboratories	A
	SIE-GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-V009	1	Company Profile of Qatar Reinforcement Company	A

Signed:

Sulaiman S.J. Abdulla
Project Manager

EPP/1

Type of Status:
A - Approved; B - Approved Except as Noted; C - Approved Except as Noted/Resubmit ;
D - Not Approved; E - As Built ; F - For information ; G - Superseded

Reviewer Log
EPP/51

RECEIVED
20 MAR 2007
BY:

GTC 123/2006
SIEMENS
Consortium
Incoming Date: 20/3/07

SAG	SL GUR	SC DOHA
P.M	F&A	S.M

Action

EFC DTA Ref.No.:PH7-EFC-3B-DTA-07-0160

Tel: (974) 484 5119; - Fax: (974) 484 5191 P O BOX 41, DOHA - QATAR

RECEIVED
25 MAR 2007
BY:

KAHRAMAA كهرماء المؤسسة العامة القطرية للكهرباء والماء
Qatar General Electricity & Water Corporation

TECHNICAL AFFAIRS الشؤون الفنية

TELEFAX MESSAGE	**DATE: 18-02-2007**	**TOTAL PAGES: 1**
To: M/s. Torishima Pump Mfg. Co. Ltd.		**Fax: 4506916**
Attention : Project Manager		**Our Ref.: TA/WP/WPM/07/** 309
Subject:- **Upgrading of Pumping Station at Salwa Industrial Area & Bani Hajr GTC/71/2005**		

PRE-QUALIFICATION DOCUMENT FOR QATAR INDUSTRIAL LABORATORIES

We refer to your fax ref TRI-GTC71-KH-G-0172 dated 14-02-07. Please be informed that M/s Qatar Industrial Laboratories is approved subject to submittal of renewed calibration certificates for the following :-

1. Certificate of Conformity issued by Qatar General Organisation for Standards & Metrology – expired on 13-02-07.
2. Electronic Balance – expiring on 21-02-07.

For all other equipment / instruments whose validity is expiring, the renewed calibration certificates should be submitted as soon as these are available.

This is for your information and further necessary action.

Regards,

HAMAD I. AL-BISHRI
A/ HEAD, MAIN WATER PROJECTS

Encl : as stated above

cc: WP
- File
- OF

JEC	INCOMING	
RECEIVED: 19/2/07		
P.R:	J.NO.: 284	
DIST.	ACT.	INFO.
PROC	–	
ANM		–
ANI		–
SITE		–

RECEIVED
19 FEB 2007
TORISHIMA - Q

Tele: (974) 484 5327 - Fax: (974) 493 8112
P O BOX 41, DOHA - QATAR.

تلفون : 484 5333 (974) – فاكس : 4845391 (974)
ص.ب : 41 الدوحة – قطر

KAHRAMAA

Qatar General Electricity & Water Corporation

ELECTRICITY PROJECTS (TECHNICAL AFFAIRS)

QATAR POWER TRANSMISSION SYSTEM EXPANSION SUBSTATIONS

PHASE VII G TC 123/2006

DOCUMENT TRANSMITTAL ADVICE

To:	From:
SIEMENS CONSORTIUM Project Manager Fax# 43$9642	Eng. Sulaiman S.J. Abdulla Project Manager KAHRAMAA
	KM Ref.: PH7-KM-3B-DTA-07-CAhCJ
ENERGOPROJEKT-FICHTNER CONSORTIUM Fax#4478572	Date: 20 MAR 2007

Sl. No.	Originator DTS No. & Date		Document / Drawing No.	Rev	Subject	Status
1	SIE-GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-V001	1	Company Profile of Qatar Engineer & Associates	A
	SIE-GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-V006	1	Company Profile of Qatar Industrial Laboratories	A
	SIE GTC/123/2006	PH7-SIE-3B-DTS-07-0172 (Recieved Date: 20.02.2007)	PH7-3B-10-70-vooq	1	company profile of Qatar Reinforcement company	A

Signed:

Sulaiman S.J. Abdulla

Project Manager

EPP/1

Type of Status:
A. Approved; B. Approved Except as Noted; C. Approved Except as Noted, Resubmit;
D. Not Approved; E. As Built; F. For Information; G. Superseded

Reviewer Log EPP/51

RECEIVED 20 MAR 2007

GTC 123/2006 SIEMENS Consortium Incoming Date

SAG	SL GUR	SC DOHA
P.M	F&A	S.M

Action

EFCO OTA Ref No PH7-EFC-3B-DTA-070160

Tel: (974) 484 5119; - FaX: (974) 484 5191 P O BOX 41, DOHA - QATAR

PH7 DTA Final-DTS 172-Company Profile 13/03/2007

Page 1/1

RECEIVED 25 MAR 2007

مختبرات قطر الصناعية

QATAR INDST. LABORATORIES

SECTION 09

GEOTECHNICAL AND STRUCTURAL INSTRUMENTATION

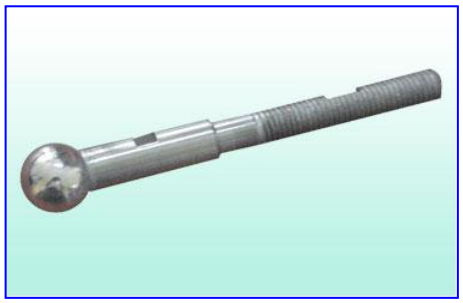
GEOTECHNICAL AND STRUCTURAL INSTRUMENTATION

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.

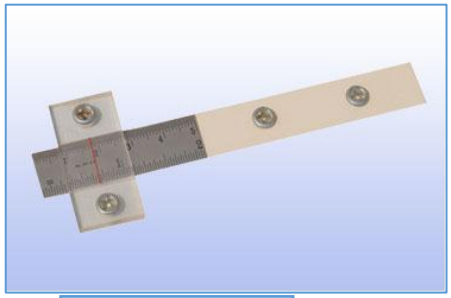
Along with full solution of monitoring, Qatar Industrial Laboratories is also providing Pre and post construction condition survey Works of structures.



Building Settlement Point

Displacement transducers

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



Crackmeter

Inclinometer Casing

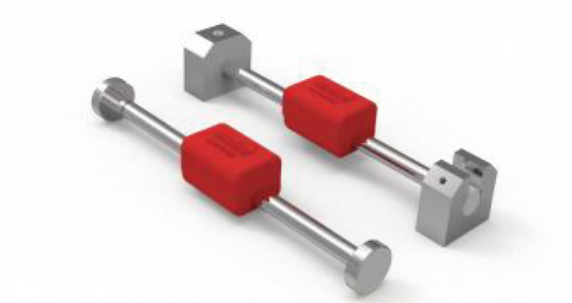
Embankment Extensometer

Inclinometer

Mini Prism

Prism Target

Load Cells



Strain Gauges

Vibration & Noise Monitoring

INSTALLATION PHOTOGRAPHS