CERTIFICATE OF ACCREDITATION

This is to attest that

TECHNICAL ENGINEERING LABORATORY

31, HITTEEN STREET, MUNTAZAH
DOHA, STATE OF QATAR

Testing Laboratory TL-453

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 9, 2020

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TECHNICAL ENGINEERING LABORATORY

www.telqatar.com

Contact Name Dr. Mustafa A AlHawli **Contact Phone** +974-55854514

Accredited to ISO/IEC 17025:2017 *Effective Date November 9, 2020*

Concrete	
ASTM C805/ C805M - 18	Standard Test Method for Rebound Number of Hardened Concrete[1]
BS 2484:1985 (Appendix A)	Specification for Straight Concrete and Clayware Cable Covers (Appendix A: Method of Test for Impact Resistance of Reinforced Concrete Cover)
BS EN 12390-3:2019	Testing Hardened Concrete- Compressive Strength of Concrete Cube
Aggregate	
ASTM C127 - 15	Standard Test Method for Relative Density (Specific Gravity) and Absorption of Coarse Aggregate
Soil	
ASTM D1556 / D1556M - 15	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D1557 - 12	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 kN-m/m^3))[1]
ASTM D2216 - 19	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D4718 / D4718M - 15	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D5334 - 14	Standard Test Method for Determination of Thermal Conductivity of Soil and Soft Rock by Thermal Needle Probe Procedure[1]
B**S 1377**-4:1990, CL 3.6	Methods of Test for Civil Engineering Purposes- Part 4: Compaction –Related Tests – CL 3.6 Determination of Dry Density /Moisture Content Relationship By Method Using 4.5kg Rammer for Soils with Some Coarse Gravel –Size Particles
Asphalt	
BS EN 12697-6:2012, CL 9.2	Bituminous mixtures- Test methods for hot mix asphalt Part 6: Determination of bulk density of bituminous specimens - CL 9.2 Procedure A: Bulk density — dry

BS EN 12697-36:2003, CL 4.1	Bituminous mixtures- Test methods for hot mix asphalt- Part 36: Determination of the thickness of a bituminous pavement CL 4.1 Destructive measurement