Accreditation No: LAB 129

Awarded to

RICI Co W.L.L
(Construction Material Testing Laboratory)
Office 15, Building 2122, Road 1529, Block 115, Hidd, Kingdom of Bahrain

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **27-12-2017** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017.**

The accreditation requires regular surveillance, and is valid until **09-07-2027.**

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

10-07-2024
Date

SD
Director General

Testing Laboratory.

Accreditation Scope of RICI Co. W.L.L
Office 15, Building 2122, Road 1529, Block 115, Hidd, Kingdom of Bahrain

Permanent laboratory premises [X]

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Concrete	Construction (Civil) Material Testing	Sampling Fresh Concrete and Temperature	BS EN 12350-1
		Slump of Fresh Concrete	BS EN 12350-2
		Density of Fresh Concrete	BS EN 12350-6
		Air Content of Fresh Concrete by Pressure Method	BS EN 12350-7
		Making and Curing Concrete Test Specimens in the Field	BS EN 12390-2
		Dimension Requirements of Concrete Specimens	BS EN 12390-1
		Density of Hardened Concrete	BS EN 12390-7
		Compressive Strength of Concrete Specimens	BS EN 12390-3

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Director

		Obtaining and Testing Drilled Cores of Concrete	BS EN 12504-1
		Rebound Number of Hardened Concrete	BS EN 12504-2
Aggregate	Construction (Civil) Material Testing	Sampling of Aggregates	BS EN 932-1
		Reducing Samples of Aggregate to Testing Size	BS EN 932-2
		Aggregate Moisture Content	BS 812-109
		Particle Size Distribution	BS EN 933-1
		Clay Lumps and Friable Particles in Aggregates	ASTM C142
		Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C131
		Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535
		Soundness of Aggregates	BS 812-121
		Particle Density and Water Absorption of Aggregate	BS EN 1097-6
		Elongation Index and Flakiness Index	BS EN 933-3 BS 812-105.1 BS 812-105.2

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		Specific Gravity and Absorption of Coarse Aggregate	ASTM C127
		Specific Gravity and Absorption of Fine Aggregate	ASTM C128
		Shell Content in Coarse Aggregate	BS 812-106
		Soundness of Aggregates by Use of Magnesium Sulfate	ASTM C88
		Aggregate Crushing Value	BS 812-110
		Particle Size Distribution	BS 812-103.1
Soil	Construction (Civil) Material Testing	Water (Moisture) Content of Soil Oven Drying Method	BS 1377-2 (3.2)
		Particle-Size Analysis of Soils, Wet Sieving Method	BS 1377-2 (9.2)
		Particle-Size Analysis of Soils, Dry Sieving Method and Hydrometer Method	BS 1377-2 (9.3 & 9.5)
		Determination of Liquid Limit by Casagrande Apparatus Method and Plastic Limit and Plasticity Index	BS 1377-2 (4.5 & 5.0)
		Determination of Particle Density	BS 1377-2 (8.3)
		Classification of Soil	BS 5930

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		Laboratory Compaction of Soil Using 2.5 kg and 4.5 kg Rammer	BS 1377-4 (3.3, 3.4, 3.5, 3.6)
		CBR (California Bearing Ratio) of Laboratory-Compacted Soils	BS 1377-4 (7.0)
		In-situ Density Test by Nuclear Density Method	BS 1377-9 (2.5)
		In-situ Density Test by Sand Replacement Method	BS 1377-9 (2.1 & 2.2)
		Determination of Soil Liquid Limit by Cone Penetrometer Method	BS 1377-2 (4.3)
		Determination of Linear Shrinkage	BS 1377-2 (6.5)
		Plate Load Test	BS 1377-9 (4.1)
Asphalt	Construction (Civil) Material Testing	Sampling Bituminous Paving Mixtures	ASTM D979
		Quantitative Extraction of Bitumen from Bituminous Paving Mixtures	ASTM D2172
		Mechanical Size Analysis of Extracted Aggregate	ASTM D5444
		Preparation of Bituminous Specimens using Marshall Apparatus	ASTM D6926
		Marshall Stability and Flow of Bituminous Mixtures	ASTM D6927

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		Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	ASTM D2041
		Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	ASTM D2726
		Thickness or Height of Compacted Bituminous Paving Mixture Specimens	ASTM D3549
		Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	ASTM D3203
		Estimating Application Rate of Bituminous Distributors	ASTM D2995
		Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	ASTM D2950
		Standard Practice for Sampling Compacted Asphalt Mixtures for Laboratory Testing	ASTM D5361
Blocks / Masonry Units / Kerbs	Construction (Civil) Material Testing	Dimensions of Paving Block	BS EN 1338 ANEX C
		Tensile Splitting Strength of Paving Block	BS EN 1338 ANEX F
		Water Absorption of Paving Block	BS EN 1338 ANEX E
		Compressive Strength of Paving Block	BS 6717-1
		Net & Gross Dry Density of Masonry Unit	BS EN 772-13

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		Compressive Strength of Concrete Masonry Unit	BS EN 772-1
		Dimensions of Masonry Unit	BS EN 772-16
		Dimensions of Concrete Kerb	BS EN 1340 ANEX C
		Water Absorption of Concrete Kerb	BS EN 1340 ANEX E
Pile	Construction (Civil) Material Testing	Low Strain Impact Integrity Testing of Deep Foundations	ASTM D5882
		Static Axial Compression Load Test for Deep Foundations - 3rd Party Witness	ASTM D1143
		Water Absorption of Concrete	BS 1881-122

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