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Accreditation No: LAB 129

Awarded to

RICI Co. W.L.L

(Construction Material Testing Laboratory)

Office 44, Building 2126, 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 **26-12-2023**.

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

30-08-2022
Date

Sd.
Director General

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Testing Laboratory.

Accreditation Scope of RICI Co. W.L.L
Office 44, Building 2126, Road 1529, Block 115, Hidd, Kingdom of Bahrain

Permanent laboratory premises

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
		Specification for Water Storage Tanks Used in the Testing of Concretes	ASTM C 511
		Practice for Capping Cylindrical Concrete Specimens	ASTM C 617
		Compressive Strength of Concrete Specimens	BS EN 12390-3
Obtaining and Testing Drilled	BS EN 12504-1		

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Aggregate	Construction (Civil) Material Testing	Cores of Concrete	BS EN 12504-2
		Rebound Number of Hardened Concrete	
		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
Soil	Construction (Civil)	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
		Sand Equivalent Test	BS EN 933-8
			BS 1377-2 (3.2)

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	<p>Material Testing</p>	<p>Water (Moisture) Content of Soil Oven Drying Method</p> <p>Particle-Size Analysis of Soils, Wet Sieving Method</p> <p>Particle-Size Analysis of Soils, Dry Sieving Method and Hydrometer Method</p> <p>Determination of Liquid Limit by Casagrande Apparatus Method and Plastic Limit and Plasticity Index</p> <p>Determination of Particle Density</p> <p>Classification of Soil</p> <p>Laboratory Compaction of Soil Using 2.5 kg and 4.5 kg Rammer</p> <p>CBR (California Bearing Ratio) of Laboratory-Compacted Soils</p> <p>In-situ Density Test by Nuclear Density Method</p> <p>In-situ Density Test by Sand Replacement Method</p> <p>Determination of Soil Liquid Limit by Cone Penetrometer Method</p> <p>Determination of Soil Linear Shrinkage</p> <p>Plate Load Test</p> <p>Particle Size Distribution</p>	<p>BS 1377-2 (9.2)</p> <p>BS 1377-2 (9.3 & 9.5)</p> <p>BS 1377-2 (4.5 & 5.0)</p> <p>BS 1377-2 (8.3)</p> <p>BS 5930</p> <p>BS 1377-4 (3.3, 3.4, 3.5, 3.6)</p> <p>BS 1377-4 (7.0)</p> <p>BS 1377-9 (2.5)</p> <p>BS 1377-9 (2.1 & 2.2)</p> <p>BS 1377-2 (4.3)</p> <p>BS 1377-2 (6.5)</p> <p>BS 1377-9 (4.1)</p> <p>BS 812-103.1</p>
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Asphalt	Construction (Civil) Material Testing	Sampling Bituminous Paving Mixtures	ASTM D 979
		Quantitative Extraction of Bitumen from Bituminous Paving Mixtures	ASTM D 2172
		Mechanical Size Analysis of Extracted Aggregate	ASTM D 5444
		Preparation of Bituminous Specimens using Marshall Apparatus	ASTM D 6926
		Marshall Stability and Flow of Bituminous Mixtures	ASTM D 6927
		Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	ASTM D 2041
		Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	ASTM D 2726
		Thickness or Height of Compacted Bituminous Paving Mixture Specimens	ASTM D 3549
		Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	ASTM D 3203
		Estimating Application Rate of Bituminous Distributors Mixtures	ASTM D 2995
Aggregate	Construction (Civil) Material Testing	Specific Gravity and Absorption of Coarse Aggregate	ASTM C 127
		Specific Gravity and Absorption of Fine Aggregate	ASTM C 128

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Blocks / Masonry Units / Kerbs	Construction (Civil) Material Testing	Shell Content in Aggregate	BS 812 – 106
		Soundness of Aggregates by Use of Magnesium Sulfate	ASTM C 88
		Aggregate Crushing Value	BS 812 – 110
		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
		Compressive Strength Of Concrete Masonry Unit	BS EN 772-1
		Dimensions Of Masonry Unit	BS EN 772-16
Pile	Construction (Civil) Material Testing	Dimensions Of Concrete Kerb	BS EN 1340 ANEX C
		Water Absorption Of Concrete Kerb	BS EN 1340 ANEX E
		Low Strain Impact Integrity Testing of Deep Foundations	ASTM D 5882
		Static Axial Compression Load Test for Deep Foundations - 3rd Party Witness	ASTM D 1143
		Water Absorption of Concrete	BS 1881-122

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Concrete	Construction (Civil) Material Testing	Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods	ASTM D 2950
Asphalt	Construction (Civil) Material Testing	Standard Practice for Sampling Compacted Asphalt Mixtures for Laboratory Testing	ASTM D 5361

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