

International Accreditation Service
CERTIFICATE OF ACCREDITATION


This is to signify that

ARAB CENTER FOR ENGINEERING STUDIES (ACES)

AL QUSAIS INDUSTRIAL AREA NO. 3
P.O. BOX 60823
DUBAI, UNITED ARAB EMIRATES

Testing Laboratory TL-310

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing February 10, 2010, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President



(see attached scope of accreditation for fields of testing and accredited test methods)



C. P. Ramani, P.E.
President

Print Date: 11/22/2010

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541.

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International Accreditation Service

SCOPE OF ACCREDITATION

Arab Center for Engineering Studies (ACES) TL-310

Arab Center for Engineering Studies
 Al Qusais Industrial No. 3
 P.O. Box 60823
 Dubai, United Arab Emirates

Emad Sharif
 Resident Manager
 011-971-4-2582075

FIELDS OF TESTING	ACCREDITED TEST METHODS
Concrete, Masonry and Aggregates	BS Standards BS 1881: Part 116:1983, Amendments 6097-1989 and 6720:1991 (Concrete Cube); BS 1881: Part 124: 1988, Clause 10.2 (Chemical); BS 1881: Part 208: 1996 (Surface Absorption); BS 6073: Part 2: 1981 (App. A and B), Amendment 4508-84 (Concrete Masonry Units); BS 6717: Part 1: 1993 (Annex A and B) (Concrete Paving Blocks); BS EN 12390: Part 8: 2000 (Water Penetration Depth); ASTM Standard C 1202 (Chloride Resistance); DIN Standard DIN 1048: 1998: Part 5 (Water Permeability)
Soils and Rock	BS Standards BS 1377: Part 2: 1990, Amendment 9027-96, Clauses 4, 5.3 and 5.4 (Liquid and plastic limit, Plasticity Index) and Clauses 9.2 and 9.3 (Particle Size Distribution); BS 1377: Part 3: 1990, Clauses 5, 7 and 9 (Chloride, Sulphate and pH for Soil and Ground Water); BS 1377: Part 4: 1990, Amendment 8259-1995, Test 7.2.3.2 (California Bearing Ratio- CBR) and Tests 3.5 and 3.6 (Moisture Content); BS 1377: Part 9: 1990, Section 3.1 (CPT) and Section 3.3 (SPT); BS 5930: Clause 22 and 23 (Soils and Water Sampling); ASTM Standards 2938 and D 4543 (Unconfined Compression)
Steel	BS Standards BS 4449: 1988, App. C, Clause 6.1 (Bend); BS 4449: Annex. E, Clause E 1.6 (Rebend) and Clause 1.4 (Tensile); BS EN 10002:1990 (Tensile)
Non-Destructive Testing (NDT)	ASTM Standards D 4945 (High Strain Dynamic); D 5882 (Low Strain Integrity); D 6167 (Caliper Logging); and D 6760 (Ultrasonic Crosshole)

February 10, 2010
 Commencement Date



C. P. Ramani
 C. P. Ramani, P.E.
 President



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