

**Laboratory Certification For**

**Omran Geotechnical Company Satellite Lab (OGC)**

Lab ID: LCP-027

Issue date: Oct 26, 2016

Expiry date: April 25, 2017

This letter confirms the completion of inspection and certification for OGC Satellite laboratory for Project # 291 Kabul LSA, which is located at New Camp Sullivan (Formally known as Camp Eggers) Kabul, Afghanistan. This laboratory should now be considered as certified for use by the US Army Corps of Engineers Transatlantic Afghanistan District (USACE TAA) and other clients, for all tests listed in Table 1 to Table 2, as attached to this letter. This lab has been found to be qualified according to ASTM C1077 and ASTM E329 for testing, and to USACE Safety Standard EM385-1-1. Concrete Batch Plants and Asphalt Hot Mix Plants associated with this project/satellite lab are not included in this Certification. This certification will be included with records that are maintained at the ABA and USACE TAA Headquarters in Bagram Airbase, Afghanistan. Retaining the certification will require yearly inspections by the ABA. This certification is also contingent upon the following conditions:

- A. Continued employment of the following individuals while without their oversight, the laboratory will require recertification:
  1. Samad Heidari laboratory manager; and
  2. Other Senior Technicians who were inspected and certified during the inspection, a list of certified technicians can be provided upon request;
- B. If the calibration certificates of equipments expire or become invalid as per the relevant ASTM or AASHTO standard;
- C. If the laboratory is moved to a new location, it will require recertification; and
- D. If the laboratory fails to comply by the approved lab quality management plan, safety standards, and other criteria set forth in the most up-to-date ABA lab certification manual, the lab certification may be suspended.

For verification and good standing of this certification please check our online directory of laboratories at <http://aba.af/Lab-certification-program.html>. The inspection and certification process for the OGC adhered to procedures outlined by the Materials Testing Center (MTC), which is located at the Geotechnical and Structures Laboratory (GSL), U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, Mississippi, USA. The MTC is the USACE-authorized agency for certifying laboratories for use in quality control testing for USACE construction projects. To facilitate construction in Afghanistan, the USACE TAA has authorized the ABA to conduct laboratory certifications with strict adherence to MTC protocol. Qualifications of the authors for conducting these certifications include: 12 years of laboratory experience, 12 years of teaching classes on construction materials, and six years of teaching university-level construction classes.

Regards,

Naeem Yassin

President of Afghanistan Builders Association  
(ABA)



### OGC Satellite lab Certified Laboratory Tests

**Table 1. List of Certified Soil Tests for OGC Satellite lab**

No	Test Method	Test Procedure Title
1	ASTM D 422	Standard Test Method for Particle Size Analysis of Soils
2	ASTM D 698	Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> ( 2,700 Kn-m/m <sup>3</sup> ))
3	ASTM D 854	Standard Test Methods for or Specific Gravity of Soil Solids by Water Pycnometer
4	ASTM D 1556	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
5	ASTM D 2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
6	ASTM D 2922	Standard Test Method for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)
7	ASTM D 4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
8	ASTM D 6938	Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

**Table 2. List of Certified Concrete Tests for OGC Satellite lab**

No	Test Method	Test Procedure Title
1	ASTM C 31	Standard Practice for Making and Curing Concrete Test Specimens in the Field
2	ASTM C 39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens
3	ASTM C 143	Standard Test Method for Slump of Hydraulic-Cement Concrete
4	ASTM C 172	Sampling of Freshly Mixed Concrete
5	ASTM C 231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
6	ASTM C 617	Standard Practice for Capping Cylindrical Concrete Specimens
7	ASTM C 1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete