



**US Army Corps of Engineers**  
**Afghanistan Engineer District South**

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# **Kajaki Dam – Irrigation Tunnel Works**

Helmand Province, Afghanistan

## **Appendix B**

**List of Applicable Guide Specifications  
and Codes**

## **APPENDIX B – LIST OF APPLICABLE GUIDE SPECIFICATIONS AND CODES**

### INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE C2 (2007, Errata 2007; INT 2008) National Electrical Safety Code

### ILLUMINATING ENGINEERING SOCIETY (IES)

IES Lighting Handbook, 9<sup>th</sup> edition

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70 (2011) National Electrical Code

### NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION (NEMA)

NEMA 250 (2008) Enclosures for Electrical Equipment (1000 Volts maximum)

NEMA ICS 1 (2000, R 2008) Industrial Control and Systems General Requirements

NEMA ICS 2 (2000, R 2005) Industrial Control and Systems Controllers, Contactors and Overload Relays Rated 600 Volts

NEMA ICS 5 (2000, R 2010) Industrial Control and Systems Control-Circuit and Pilot Devices

NEMA ICS 8 (2000, R 2005) Industrial Control and Systems Crane and Hoist Controllers

NEMA RN 1 (2005) Polyvinyl Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit

NEMA WC 70 (2009) Non-Shielded Power Cable 2000V or Less for the Distribution of Electrical Energy

### UNIFIED FACILITIES CRITERIA

UFC 3-320-07N (2004; R 2007) Weight Handling Equipment

### ASME DESIGN CODE

B30.2-2005 Overhead and Gantry Cranes

KAJAKI DAM – IRRIGATION TUNNEL WORKS AND MISCELLANEOUS POWER HOUSE IMPROVEMENTS

USACE ENGINEERING MANUALS

(2008) Safety and Health Requirements Manual

EM 1110-2-1009 (2002) Engineering and Design - Structural Deformation Surveying

EM 1110-2-1602 (1980) Engineering and Design - Hydraulic Design of Reservoir Outlet Works

EM 1110-2-1908 (1995) Engineering and Design - Instrumentation of Embankment Dams and Levees

EM 1110-2-4300 (1980) Engineering and Design - Instrumentation for Concrete Structures

EM 1110-2-2105 (1994) Design of Hydraulic Steel Structures Change 1

EM 1110-2-2701 (1997) Vertical Lift Gates

ER 1110-2-110 Instrumentation for Safety Evaluation of Civil Works Projects

ER 1110-2-1807 Procedures for Drilling in Earth Embankments

UNDERWRITERS LABORATORIES

UL 6 (2007; R 2010) Electrical Rigid Metal Conduit - Steel

USACE TECHNICAL MANUALS

TM 5-811-1 (1995) Electrical Power Supply and Distribution

INTERNATIONAL CODE COUNCIL (ICC)

2009 International Building Code (IBC 2009)

UNITED STATES GEOLOGICAL SURVEY (USGS)

Open-File Report 2007-1137: Preliminary Earthquake Hazard Map of Afghanistan (Version1, Posted May 2007), available at: <http://pubs.usgs.gov/of/2007/1137/>.

The publications utilized shall be those of the most recent editions.

UFGS GUIDES

26 00 00.00 20 BASIC ELECTRICAL MATERIALS AND METHODS  
26 05 00.00 40 COMMON WORK RESULTS FOR ELECTRICAL  
26 05 19.00 10 INSULATED WIRE AND CABLE  
26 28 00.00 10 MOTOR CONTROL CENTERS, SWITCHBOARDS AND PANELBOARDS  
26 32 14.00 10 DIESEL-GENERATOR SET, STATIONARY 15-300 KW, STANDBY APPS.

KAJAKI DAM – IRRIGATION TUNNEL WORKS AND MISCELLANEOUS POWER HOUSE IMPROVEMENTS

26 51 00	INTERIOR LIGHTING
33 70 01.00	ELECTRICAL DISTRIBUTION SYSTEM, AERIAL
33 70 02.00	ELECTRICAL DISTRIBUTION SYSTEM, UNDERGROUND
01 74 19	CONST & DEMO WASTE MANAGEMENT; 33
01 50 00	TEMPORARY CONSTRUCTION FACILITIES AND CONTROL
05 05 23	WELDING, STRUCTURAL
05 59 13	FABRICATION OF HYDRAULIC STEEL STRUCTURES
09 97 02	PAINTING: HYDRAULIC STEEL STRUCTURES