

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 28-Aug-2011	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable) 10-S016A1
6. ISSUED BY AFGHANISTAN DISTRICT SOUTH (AES) US ARMY CORPS OF ENGINEERS APO AE 09355	CODE W5J9LE	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. W5J9LE-11-B-0007	
		X	9B. DATED (SEE ITEM 11) 24-Jul-2011	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
1. Project: 4-205th Brigade Garrison, Tarin Kow t, Phase 1. 2. Purpose of this amendment is to answer bidder inquiry questions. Purpose is to also update and add new required clauses. New clauses added are 252.225-7039 and 952.225-0020. Updated clauses have a (Aug 2011) after the title. 3. A new bid schedule is provided. SubCLIN 0004AF for Guard Towers now has a quantity of 2 EA vice 3 EA. Schedule note 7 has been revised. Section 01010 has also been revised, specifically para 6.2.1 and 6.2.2. 4. Bids are due by 3 September 2011 at 2:00pm local time. POC is Mark Jones at mark.t.jones@usace.army.mil.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		28-Aug-2011

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00010 - SOLICITATION CONTRACT FORM

The following have been modified:

BID SCHEDULE

SECTION 00100 - BIDDING SCHEDULE/INSTRUCTIONS TO BIDDERS

The following have been modified:

INSTRUCTION TO BIDDERS

**SECTION 00100
INSTRUCTIONS TO BIDDERS**

INFORMATION TO BIDDERS

OFFERORS are required to complete and submit the following:

Standard Form 1442 Back,
Bid Schedule,
Section 00600, Representations and Certifications,
Offer guarantee

SITE VISIT

An organized site visit will be conducted. For detailed information please refer to FAR Clause 52.236-27 Alt 1 Site Visit (Construction), located in Section 00100 in this Invitation For Bid (IFB).

BID SUBMISSION

Bids can be submitted by mail, FedEx/DHL/UPS or delivered in person. Electronic submission of bids will not be accepted.

Bids submitted by FedEx/DHL/UPS shall be sent to:

Mark Jones
US Army Corps of Engineers
Kandahar, Afghanistan
USACE – AES
APO, AE 09355

Bids submitted by mail shall be sent to: Mark Jones
USACE-AES

APO AE 09355

Bids delivered in person: Bids can be delivered in person to FOB Lindsey. Contractors that choose this method of submitting their bids that have a Kandahar Air Field (KAF) badge can access the base without an escort and deliver their bid to the U.S. Army Corps of Engineers (USACE) Castle 1 Building. Contractors shall contact Mr. David Alexander at 079-610-8172 (roshan) prior to arrival to coordinate delivery of the bid proposal since building access is restricted.

If the Contractor does not have a KAF badge, they shall contact Mr. David Alexander and he will meet the individual at the FOB Lindsey front gate to pick up the bid package.

DIRECTIONS TO FOB LINDSEY FROM KAF

Departing ECP 5 heading east from KAF; turn right.

Follow the hard surface road straight thru the market (approximately 1/2 k).

Bear left after the market staying on the hard surface road.

Then turn right to go over the bridge.

(The ANA Camp Hero will be directly in front of the bridge).

Turn left after the bridge and the entrance to Camp Lindsay will be directly in front.

Transit time is approximately 15 minutes to the front gate at FOB Lindsey.

ENVELOPE(S) PURSUANT TO FAR 14.201-5

Envelope (s) shall be plainly marked with the following information:

Solicitation No. W5J9LE-11-B-0007

Opening Date _____

Number of each amendment, which has been received

BID CLOSING

All bids are due no later than 03 September 2011 at 2:00 pm local time.

BID OPENING

To allow for maximum attendance, the bid opening will take place the same day from when the bids are due. The bid opening will be held at **FOB Lindsey on 03 September 2011 at 2:00 pm local time** at the (USACE), Castle 1 Building, 2nd floor conference room.

To gain access to the base at FOB Lindsey, contractors will need either a KAF Badge or they will need to submit the Visitor Badge Application located at the end of this section.

Contractors with KAF Badge:

Contractors that possess a KAF badge that desire to attend the bid opening can access FOB Lindsey without an escort. They should report to USACE Castle 1 building in sufficient time to be seated in the conference room by 2:00 pm local time. They shall contact Mr. David Alexander at 079-610-8172 to obtain access to the building.

Contractors without a KAF Badge:

Contractors that do not possess a KAF Badge shall fill out a Visitor Badge Application form and submit via email to Mr. David Alexander at david.c.alexander@usace.army.mil. The application shall be submitted a minimum of four days prior to the bid opening date.

On the day of bid opening, contractors shall report to the front gate at FOB Lindsey no later than 1:00 pm local time. They shall contact Mr. David Alexander at 079-610-8172 once they arrive. Mr. Alexander will escort individuals to the Force Protection office. **Each contractor will be required to present either their Passport or Tazkera to show proof of identity.** Individuals will complete the check in process at the Force Security Office and then be escorted to the USACE Castle 1 Building.

Note: Electronic devices are not allowed on FOB Lindsey and will be collected at the Front Gate. Contractors are reminded to contact Mr. Alexander prior to turning in their cell phones or other devices.

PRICE BASIS

Bidders are advised that only bids submitted on a firm price basis will be considered, and that bids submitted on any other than firm price basis will be rejected. (FAR 14.201-2 (a))

Bid price alterations, i.e., crossed-out or white-out changes on the bid will not be accepted unless the change (s) is/are initialed by the person authorized to sign bid package.

BID QUANTITIES

Bids for less than specified quantities of each item in Section 00010 of the Schedule will not be considered. Failure to submit a unit price for each item where required in the Schedule will be considered as a material deviation from the requirements of the solicitation, and the bid will be rejected. (FAR 14.201-5)

BIDDER INQUIRIES

All bidder inquiries shall be submitted by email to Mr. Mark Jones at jefferey.a.ball@usace.army.mil, with a courtesy copy to TAS.Contracting@usace.army.mil. Inquiries will be accepted up to **6 calendar days prior** to the bid closing date.

BONDING REQUIREMENTS

BID GUARANTEE

Bidders are required to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids. The amount of the bid guarantee shall be \$3,000,000. See FAR Clause 52.228-1 BID GUARANTEE (SEP 1996) for specific requirements.

SUBMISSION OF OFFER GUARANTEE (BID BOND)

Original signatures are required on the Standard Form 24 (bid bond). The bid bond can be submitted separately (ahead of time) from the other items required (SF1442, Bid Schedule, Section 00600/ Representation and Certifications). **The bid bond amount is \$3,000,000. Since the bid bond amount is known, Contractors are HIGHLY encouraged not to wait on submitting their bid bond. Contractors need to ensure they factor in adequate delivery time to Afghanistan when sending items via mail or FedEx/DHL/UPS.**

PERFORMANCE AND PAYMENT BOND REQUIREMENTS

The Contractor awarded this contract is required to provide performance and payment bonds. See FAR Clause 52.228-15 PERFORMANCE AND PAYMENT BONDS – CONSTRUCTION (OCT 2010). Please note that the penal amount of performance and payment bonds at the time of contract award shall be 30 percent of the original contract price.

DETERMINATION OF RESPONSIBILITY REQUIREMENTS

1. To ensure award is made to a responsible bidder, a determination of responsibility will be conducted. The apparent low bidder will be contacted by the Contracting Officer and will be required to provide the requested responsibility information within 3 days. As part of this responsibility determination, the Contracting Officer will utilize the guidance contained in FAR 9.104-1 which states to be determined responsible, a prospective contractor must:
 - a. Have adequate financial resources to perform the contract or the ability to obtain them.
 - b. Be able to comply with the required or proposed delivery or performance schedule.
 - c. Have a satisfactory performance record.
 - d. Have a satisfactory record of integrity and business ethics.
 - e. Have the necessary organization, experience, accounting and operational controls, and technical skills, or the ability to obtain them.
 - f. Has the necessary production, construction, and technical equipment and facilities, or the ability to obtain them.
 - g. Be otherwise qualified and eligible to receive an award under applicable laws and regulations.

SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

The following have been added by full text:

BIDDER INQUIRY Q&A

BIDDER INQUIRY QUESTIONS AND ANSWERS (AMENDMENT 0002)

Architectural Questions:

- 1) Referring to sec. 00010 (Bid Schedule) There are 3 EA Guard Towers while in sec.01010 (Scope of Work) para # 5.6 there are 2 EA Guard Towers. Please advise.

Answer: The contractor shall construct two (2) guard towers. The bid schedule for subclin 0004AF now reads 2 EA vice 3 EA.

Civil Questions:

- 2) Please provide us with a layout showing the proposed location and length of the perimeter wall.

Answer: See WWTP Concept Plan C-03 for location and length of perimeter wall.

Electrical Questions:

FIRE DETECTION AND ALARM SYSTEM

- 3) Referring to SEC 01010 Para. 8.5.12 states that the contractor shall install hard wired smoke detectors to provide local alarm only and that contradicts with the applied design in the drawings. Please clarify whether to use hard wired smoke detectors or stick the drawings.

Answer: The contractor shall construct the buildings per the standard drawings in the Appendix.

ELECTRICAL

Backup generators

- 4) Referring to SEC 01010, the following paragraphs require backup generators:

Para.4.3 (water system),
Para.6.2.7 (tactical operations center),
Para.6.2.12 (battalion headquarters building),
Para.6.2.15 (Dining facility-DFAC),
Para.6.2.17 (Troop Medical center),

Also referring to SEC. 01015 Para. 8.5.1.1 Generators power system, it states the following:
“Individual back-up generators shall be provided for the wells and water distribution, the waste water treatment plant, the DFAC, and the medical clinic.)

Please specify the buildings which required backup generators.

Answer: All buildings in Section 01010 that state that a backup generator is required.

- 5) Please specify the total number for the backup generators required for this project

Answer: See Answer 4.

- 6) Referring to sec 01010 Para.4.6 (Power Plant and Electrical Distribution System) please specify the Maximum distance linking two manholes.

Answer: Provide where splices are required, where duct lines change direction, and within 100 ft (30 m) of every riser pole, pad mounted transformer, or unit substation. The distance must not exceed 200 ft (60 m). Separation on straight runs must not exceed 400 ft (120 m).

- 7) Referring to the Drawing E102_B19-Officer Barracks Large, Note No.9 in General Notes states that all receptacles must be AFCI type, can the contractor use AFCI type Circuit Breaker instead and use normal receptacles

Answer: The buildings shall be constructed per the standard drawings.

- 8) Please clarify if there is any Electrical work required for the MOTOR POOL AREAS

Answer: See Section 01010, paragraph 4.12 for the scope of the motor pool areas.

Communication System

- 9) Referring to Para. 4.13 sec 01010 (site communication system) please clarify the buildings having communication systems.

Answer: For all building interiors see individual standard drawings. For all building exterior communications see Section 01010, paragraph 4.13 which states "The communications duct bank shall run to all buildings to include guard towers, guard shacks, ECPs, and back to the central Communications Room located in Tactical Operations Building."

- 10) Referring to Para 4.13 sec 01010 (site communication system) it states that "The communications duct bank shall run to all buildings" please clarify whether to connect the duct bank to all building or buildings with communication outlets only

Answer: All buildings.

11) Referring to Para. 4.13 sec 01010 (site communication system), please specify the buildings having RJ45 outlets ports

Answer: For all building interiors see individual standard drawings.

FORCE PROTECTION

12) Referring to Para. 5 SEC 01010 (FORCE PROTECTION), it states “The Contractor shall design and construct force protection measures to include a Perimeter Fence and Access Road, a Secondary Entry Control Points (ECP), illumination system, and communication systems.”

,Please clarify where exactly illumination system is needed?

Answer: There are no further illumination systems necessary as part of force protection other than those described in other paragraphs in Section 01010. The following paragraph shall be removed in its entirety “The Contractor shall design and construct force protection measures to include a Perimeter Fence and Access Road, a Secondary Entry Control Points (ECP), illumination system, and communication systems. The designer shall incorporate force protection setbacks for new facilities to maximum extent possible as permitted by size of the site and the requirements of the user.” and replaced with the following: “The Contractor shall design and construct force protection measures as described below. The designer shall incorporate force protection setbacks for new facilities to maximum extent possible as permitted by size of the site and the requirements of the user.”

13) Referring to Para. 5 SEC 01010 (FORCE PROTECTION) states “The Contractor shall design and construct force protection measures to include a Perimeter Fence and Access Road, a Secondary Entry Control Points (ECP), illumination system, and communication systems.”

,Please specify where exactly Communication system is needed

Answer: There are no further communication systems necessary as part of force protection other than those described in other paragraphs in Section 01010. The following paragraph shall be removed in its entirety “The Contractor shall design and construct force protection measures to include a Perimeter Fence and Access Road, a Secondary Entry Control Points (ECP), illumination system, and communication systems. The designer shall incorporate force protection setbacks for new facilities to maximum extent possible as permitted by size of the site and the requirements of the user.” and replaced with the following: “The Contractor shall design and construct force protection measures as described below. The designer shall incorporate force protection setbacks for new facilities to maximum extent possible as permitted by size of the site and the requirements of the user.”

14) Referring to Para. 5.1 SEC 01010 (Perimeter Fence) please clarify if there is any illumination system required

Answer: No lighting is required for the perimeter fence.

- 15) Referring to Para. 5.2 SEC 01010 (Perimeter Road) please clarify if there is any illumination system required

Answer: No lighting is required for any road.

- 16) Referring to Para. 5.3 SEC 01010 (Secondary Entry Control Point ECP) please clarify if there is any illumination system required

Answer: See paragraph 5.3.1 for lighting requirements.

DUCT BANK INSTALLATION

- 17) Referring to sec 01010 Para. 4.7 (Duct Bank Installation) Please specify the Maximum distance allowed between two manholes

Answer: Provide where splices are required, where duct lines change direction, and within 100 ft (30 m) of every riser pole, pad mounted transformer, or unit substation. The distance must not exceed 200 ft (60 m). Separation on straight runs must not exceed 400 ft (120 m).

ELECTRICAL EXTERIOR WORKS

- 18) Referring to Para 8.5.1 SEC 01015 (ELECTRICAL DISTRIBUTION SYSTEM) States the following “The Contractor shall provide a street lighting distribution system to supply power to the site’s street lighting circuits” please clarify whether Main streets only or all the streets in the project

Answer: The contractor is not responsible for providing street lighting. The following has been deleted from Section 01010, paragraph 8.5.1, “The Contractor shall provide a street lighting distribution system to supply power to the site’s street lighting circuits. The street lighting system shall be underground in direct buried schedule 40 PVC not less than 50mm in diameter and not less than 600mm below grade. The street lighting ducts shall be concrete encased in areas subject to vehicular traffic, such as road crossings and parking areas. Street lights shall have photocell controlled switches.”

- 19) In site plan drawing C-02, for facilities no. 107 (Battalion storage building) and 108 (Motor pool area) is there any existing electrical power feeder that we can use for both facilities

Answer: There are no known existing electrical power feeder locations or capacities.

Mechanical Questions:

20) Reference to SOW section 01010 para#4.4, it is mentioned to use reinforced concrete pipes for the outfall of the WWTP, please advise if it is allowed to use PVC pipes instead of it.

Answer: Design and construct per paragraph 4.4.

21) Based on our calculation of water well pump's flow rate against the required head, it is shown that two wells won't be sufficient to deliver the required water quantity to fill the water tanks in 16 hours, please advise.

Answer: The contractor shall provide a minimum of one well, but shall provide as many wells as necessary to provide the water quantities as described in the solicitation.

22) Regarding the fuel storage tanks for the six generators, please mention the number of working hours per day for those generators so that we can calculate the required fuel storage capacity.

Answer: The working hours per day for fuel storage calculation shall be 18 hours per day.

23) We have observed approximately 7,000~8,000 m³ of construction debris at construction area. Is contractor responsible for this debris removal or this huge amount of debris will be removed by others? Please clarify.

Answer: All construction debris shall be removed by the contractor.

24) There is also huge amount of HESCO barrier demolition with height ~3m. Again will contractor remove them or by others? Please clarify.

Answer: All HESCOs within the work area shall be demolished and removed by the contractor.

25) Would you please clarify whether areas that cover Vehicle Wash Station and Small Arms Storage Building will be aggregate surfaced or left as a graded site?

Answer: Both the Vehicle Wash Station area and the Small Arms Storage areas shall have 150 mm aggregate surfacing.

26) Would you please determine number of Guard Towers which is given as three (3) at Bid Schedule but demonstrated as two (2) on WWTP Concept Plan C-03 and also two (2) as stated at section 01010 Scope of Work/5.6 Guard Towers?

Answer: See answer to question 1.

27) For Motor Pool Areas, 01010 Scope of Work/4.12 Motor Pool Areas states; “Each Motor Pool Area shall be enclosed by a 3.0 m high chain link fence with Y-channel and triple strand concertina wire and two (2) lockable double swing arm vehicle gates and two (2) lockable personnel gates.” On the other hand at concept plan; 209-CS/RCC Motor Pool has five (5) lockable double swing arm vehicle gates, 309-CSS Motor Pool has four (4) lockable double swing arm vehicle gates and 509-Infantry Motor Pool has three (3) lockable double swing arm vehicle gates. Would you please determine number of lockable double swing arm vehicle gates for these Motor Pool areas?

Answer: Each Motor pool area shall have a minimum of (2) two lockable personnel gates and (2) two lockable double swing arm vehicle gates.

28) In section 01010 Scope of Work/6.2.15 Dining Facility-DFAC part it states; “The service areas shall be aggregate surfaced with a minimum of 200 mm thickness.” But in section 01015 Technical Requirements/2.3 Roads, Parking, Maneuver, Storage Areas and Sidewalks it states “DFAC service area, and motor pools shall consist of 150 mm thick aggregate base course material at 2.0% slope.” Would you please determine thickness of aggregate base course material at DFAC service area?

Answer: The aggregate thickness at the DFAC service area shall be 150 mm.

29) In section 01010 Scope of Work/4.11 Concrete Sidewalks/Firelanes part states; “The Contractor shall design and construct 1.5 m wide concrete sidewalks.” But in section 01015 Technical Requirements/2.3 Roads, Parking, Maneuver, Storage Areas and Sidewalks states “Sidewalks shall be 2.5 m wide.” Would you please determine width of sidewalks?

Answer: Sidewalks shall be a minimum of 1.5 m wide. Firelanes shall be a minimum of 3.0 m wide.

30) You denote where will Window Security Bars, which are given at 01015 Technical Requirements/4.12.1.1 Window Security Bars, be used?

Answer: Delete paragraph 4.12.1.1 in Section 01015. Window security Bars are not required.

31) Would you please confirm that there are (3) three Convoy Assembly Areas each are 100m long and 8m wide?

Answer: There is one (1) convoy assembly area consisting of three (3) 100m long by 8m wide lanes.

- 32) In section 01015 Technical Requirements/8.5.1 Electrical Distribution System states; “The Contractor shall provide a street lighting distribution system to supply power to the site’s street lighting circuits.” Would you please clarify whether “a street lighting distribution system” means roads, parking areas, or sidewalks?

Answer: See Answer 18.

BID SCHEDULE (AMENDMENT 0002)

The contractor shall provide a price for all bid items, buildings and facilities as defined in the Scope of Work, Section 01010.

CLIN	Description	Qty	Unit	Unit Price	Total Amount
0001	GENERAL				
0001AA	Mobilization/Demobilization	1	LS	XXX	\$_____
0001AB	Security	1	LS	XXX	\$_____
0001AC	UXO/Mines Removal & Clearance	1	LS	XXX	\$_____
0002	DESIGN PROGRAM				
0002AA	Site Survey/Existing Conditions Map	1	LS	XXX	\$_____
0002AB	Master Planning and Engineering	1	LS	XXX	\$_____
0002AC	Geotechnical Investigation	1	LS	XXX	\$_____
0002AD	As-Built Drawings	1	LS	XXX	\$_____
0003	SITE DEVELOPMENT / IMPROVEMENTS				
0003AA	Demolition	1	LS	XXX	\$_____
0003AB	Site Grading and Storm Water Mangment	1	LS	XXX	\$_____
0003AC	Water System	1	LS	XXX	\$_____
0003AD	Wastewater Treatment Plant, Waste Water Collection System, and Wastewater Treatment Plant Outfall	1	LS	XXX	\$_____
0003AE	Power Generators	6	EA	\$_____	\$_____
0003AF	Power Plant, Fuel Storage, and Electrical Distribution System	1	LS	XXX	\$_____
0003AG	Duct-Bank Installation	1	LS	XXX	\$_____
0003AH	Roads Network	1	LS	XXX	\$_____

0003AJ	Parking Areas	1	LS	XXX	\$_____
0003AK	Convoy Assembly Area	1	LS	XXX	\$_____
0003AL	Concrete Sidewalks/Firelanes	1	LS	XXX	\$_____
0003AM	Motor Pool Areas	1	LS	XXX	\$_____
0003AN	Site Communication System	1	LS	XXX	\$_____
0003AP	Vehicle Wash Rack	1	LS	XXX	\$_____
0003AQ	Vehicle Refueling Point	1	LS	XXX	\$_____
0003AR	Trash Collection Points	22	EA	\$_____	\$_____

0004 FORCE PROTECTION

0004AA	Perimeter Fence	1	LS	XXX	\$_____
0004AB	Perimeter Road	1	LS	XXX	\$_____
0004AC	Secondary Entry Control Point	1	LS	XXX	\$_____
0004AD	Personnel Bunkers	100	EA	\$_____	\$_____
0004AE	Perimeter Wall	1	LS	XXX	\$_____
0004AF	Guard Towers	2	EA	\$_____	\$_____

0005 FACILITIES - ARCH-SPAN Structure

0005AA	Steel – 300M x 600M x 1MM	534	EA	\$_____	\$_____
0005AB	Steel – 180M x 900M x 1.5MM	278	EA	\$_____	\$_____
0005AC	NCO Barracks (1-CS/RCC, 1-CSS, & 2-Infantry)	4	EA	\$_____	\$_____
0005AD	Enlisted Barracks (1-HQ, 1-GSU, 2-CS/RCC, 1-CSS, & 4-Infantry)	9	EA	\$_____	\$_____
0005AE	Combo NCO/Enlisted Barracks (1-HQ, 2-CS/RCC, & 1-CSS)	4	EA	\$_____	\$_____

0005AF	Large Latrine/Laundry Building (1-GSU & 1-Infantry)	2	EA	\$ _____	\$ _____
0005AG	Tactical Operations Center	1	LS	XXX	\$ _____
0005AH	Officers Barracks - Large (1-HQ, 1-GSU, 1-CS/RCC, 1-CSS, & 1-Infantry)	5	EA	\$ _____	\$ _____
0005AJ	Battalion Storage Building (1-HQ, 1- GSU, 2-CS/RCC, 2-CSS, & 1-Infantry)	7	EA	\$ _____	\$ _____
0005AK	Small Latrine Building (1-HQ, 4-CS/RCC, 3-CSS, & 2-Infantry)	10	EA	\$ _____	\$ _____
0005AL	VIP Barracks (1-HQ)	1	LS	XXX	\$ _____
0005AM	Battalion Headquarters (1-HQ, 1-GSU, 1-CS/RCC, 1-CSS & 1-Infantry)	5	EA	\$ _____	\$ _____
0005AN	Administration Building (CS/RCC)	1	LS	XXX	\$ _____
0005AP	Officers Barracks - Small (1-GSU)	1	EA	\$ _____	\$ _____
0005AQ	Dining Facility (DFAC)	1	LS	XXX	\$ _____
0005AR	Vehicle Maintenance Facility (1-GSU, 3-CS/RCC, 3-CSS, & 1-Infantry)	8	EA	\$ _____	\$ _____
0005AS	Troop Medical Center	1	LS	XXX	\$ _____
0005AT	Training Classroom Building (1-HQ, 1-GSU, 1-CS/RCC, 1-CSS, & 1-Infantry)	5	EA	\$ _____	\$ _____
0006	FACILITIES – C.M.U. Structure (or other) Type Structure				
0006AA	Small Arms Storage Bldg.	5	EA	\$ _____	\$ _____
0006AB	POL Storage Bldg (1-GSU, 3-CS/RCC, 3-CSS, & 1-Infantry)	8	EA	\$ _____	\$ _____
0006AC	Fuel Operators Building	1	LS	XXX	\$ _____
0007	DBA INSURANCE				
0007AA	DBA Insurance (CLINSs 0001-0006)	1	LS	XXX	\$ _____

The amount listed by the offeror on this CLIN is the estimated DBA insurance premium (estimated payroll of the offeror and its subcontractors, multiplied by the applicable rate(s)). The actual amount paid by the government

under this CLIN will be based on the amount of the Rutherford invoice submitted by the offeror after contract award. In the event of recalculation of the premium by CNA based on actual payroll amounts, the Contracting Officer will adjust this CLIN by contract modification to reflect actual premium amounts paid.

0008	REIMBURSEMENT FOR ACTUAL PERFORMANCE AND PAYMENT BONDS PREMIUM	1	LS	XXX	\$ _____
	(See schedule note 8 of Schedule notes)				Not to exceed

SCHEDULE TOTAL: \$ _____

(Total of all above costs)

SCHEDULE NOTES

1. Funds are not presently available for this acquisition. No contract award will be made until appropriated funds are made available.
2. Offeror shall submit prices on all items. Scope of work on each items are described in Section 01010. The quantities shown in the bid schedule shall take precedence and be used for developing the proposal.
3. Only one contract for the entire schedule will be awarded under this solicitation. This project will be awarded as a single contract.
4. Costs associated with this project shall include design and construction costs, site development, and utility installation.
5. **ENGINEERING STUDY COSTS DEFINITION:** Design costs shall consist of design analysis, drawings, and specifications for all facilities.
6. **PERIOD OF PERFORMANCE AND LIQUIDATED DAMAGES:** See Section 00150 for performance schedule and liquidated damages. Period of performance is defined as the number of calendar days from receipt of notice to proceed. Liquidated damages are assessed at the stated rate per day for every day of delay past the period of performance until contract completion.
7. For Item 0005, provide a cost per roll based on number of rolls steel equivalent to dimensions and approximate weight per roll shown in bid schedule and unit price for total number of rolls. Individual CLINs where arch-span construction is required **SHALL NOT** include arch span steel as part of the total CLIN price.
8. Notwithstanding the Contract Clause entitled "Payment Under Fixed-Price Construction Contracts," the Contractor shall not be reimbursed an amount which exceeds the dollar amount set forth in **bid item 0008**
9. Abbreviations:

EA = Each

LS = Lump Sum

-END OF SECTION-

C3 CLAUSES (UPDATED AN/OR NEW)**252.225-7039 CONTRACTORS PERFORMING PRIVATE SECURITY FUNCTIONS (AUG 2011)**

(a) *Definition.* *Private security functions* means activities engaged in by a contractor, including—

(i) Guarding of personnel, facilities, designated sites, or property of a Federal agency, the contractor or subcontractor, or a third party; or

(ii) Any other activity for which personnel are required to carry weapons in the performance of their duties.

(b) *Requirements.* The Contractor is required to—

(1) Ensure that all employees of the Contractor who are responsible for performing private security functions under this contract comply with any orders, directives, and instructions to Contractors performing private security functions that are identified in the contract for—

(i) Registering, processing, accounting for, managing, overseeing, and keeping appropriate records of personnel performing private security functions. This includes ensuring the issuance, maintenance, and return of Personal Identity Verification credentials in accordance with FAR 52.204–19, Personnel Identity Verification of Contractor Personnel, and DoD procedures, including revocation of any physical and/or logistical access (as defined by Homeland Security Presidential Directive (HSPD–12)) granted to such personnel;

(ii) Authorizing and accounting for weapons to be carried by or available to be used by personnel performing private security functions;

(A) All weapons must be registered in the Synchronized Predeployment Operational Tracker (SPOT) materiel tracking system.

(B) In addition, all weapons that are Government-furnished property must be assigned a unique identifier in accordance with the clauses at DFARS 252.211–7003, Item Identification and Valuation, and DFARS 252.245.7001, Tagging, Labeling, and Marking of Government-Furnished Property, and physically marked in accordance with MIL–STD 130 (current version) and DoD directives and instructions. The items must be registered in the DoD Item Unique Identification (IUID) Registry (<https://www.bpn.gov/iuid/>);

(iii) Registering and identifying armored vehicles, helicopters, and other military vehicles operated by Contractors performing private security functions;

(A) All armored vehicles, helicopters, and other military vehicles must be registered in SPOT.

(B) In addition, all armored vehicles, helicopters, and other military vehicles that are Government-furnished property must be assigned a unique identifier in accordance with the clauses at DFARS 252.211–7003 and DFARS 252.245.7001 and physically marked in accordance with MIL–STD 130 (current version) and DoD directives and instructions. The items must be registered in the DoD IUID Registry (<https://www.bpn.gov/iuid/>); and

(iv) Reporting incidents in which—

(A) A weapon is discharged by personnel performing private security functions;

(B) Personnel performing private security functions are attacked, killed, or injured;

(C) Persons are killed or injured or property is destroyed as a result of conduct by contractor personnel;

(D) A weapon is discharged against personnel performing private security functions or personnel performing such functions believe a weapon was so discharged; or

(E) Active, non-lethal countermeasures (other than the discharge of a weapon) are employed by personnel performing private security functions in response to a perceived immediate threat;

(2) Ensure that all employees of the Contractor who are responsible for personnel performing private security functions under this contract are briefed on and understand their obligation to comply with—

(i) Qualification, training, screening (including, if applicable, thorough background checks), and security requirements established by DoDI 3020.50, Private Security Contractors Operating in Areas of Contingency Operations, Combat Operations, or Other Significant Operations, at <http://www.dtic.mil/whs/directives/corres/pdf>;

(ii) Applicable laws and regulations of the United States and the host country and applicable treaties and international agreements regarding performance of private security functions;

(iii) Orders, directives, and instructions issued by the applicable commander of a combatant command relating to weapons, equipment, force protection, security, health, safety, or relations and interaction with locals; and

(iv) Rules on the use of force issued by the applicable commander of a combatant command for personnel performing private security functions; and

(3) Cooperate with any Government authorized investigation by providing access to employees performing private security functions and relevant information in the possession of the Contractor regarding the incident concerned.

(c) *Remedies.* In addition to other remedies available to the Government—

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any Contractor personnel who fail to comply with or violate applicable requirements of this contract. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including termination for default. Required Contractor actions include—

(i) Ensuring the return of personal identity verification credentials;

(ii) Ensuring the return of other equipment issued to the employee under the contract; and

(iii) Revocation of any physical and/or logistical access granted to such personnel;

(2) The Contractor's failure to comply with the requirements of this clause will be included in appropriate databases of past performance and may be considered in any responsibility determination or evaluation of past performance;

(3) If this is an award-fee contract, the Contractor's failure to comply with the requirements of this clause shall be considered in the evaluation of the Contractor's performance during the relevant evaluation period, and the Contracting Officer may treat such failure to comply as a basis for reducing or denying award fees for such period or for recovering all or part of award fees previously paid for such period; and

(4) This contract may be terminated for default if the Contractor fails to comply with the requirements of paragraph (b) of this clause or, if directed by the Contracting Officer, fails to remove or replace, at its own expense, any of its personnel who violate the requirements of paragraph (b) of this clause.

(d) *Rule of construction.* The duty of the Contractor to comply with the requirements of this clause shall not be reduced or diminished by the failure of a higher- or lower-tier Contractor to comply with the clause requirements or by a failure of the contracting activity to provide required oversight.

(e) *Subcontracts*. The Contractor shall include the substance of this clause, including this paragraph (e), in all subcontracts that will be performed in areas of contingency operations, complex contingency operations, or other military operations or exercises designated by the Combatant Commander.

(End of Clause)

952.222-0001 PROHIBITION AGAINST HUMAN TRAFFICKING, INHUMANE LIVING CONDITIONS, AND WITHHOLDING OF EMPLOYEE PASSPORTS (AUG 2011)

(a) All contractors (“contractors” refers to both prime contractors and all subcontractors at all tiers) are reminded of the prohibition contained in Title 18, United States Code, Section 1592, against knowingly destroying, concealing, removing, confiscating, or possessing any actual or purported passport or other immigration document, or any other actual or purported government identification document, of another person, to prevent or restrict or to attempt to prevent or restrict, without lawful authority, the person’s liberty to move or travel, in order to maintain the labor or services of that person.

(b) Contractors are also required to comply with the following provisions:

(1) Contractors shall only hold employee passports and other identification documents discussed above for the shortest period of time reasonable for administrative processing purposes.

(2) Contractors shall provide all employees with a signed copy of their employment contract, in English as well as the employee’s native language, that defines the terms of their employment/compensation.

(3) Contractors shall not utilize unlicensed recruiting firms or firms that charge illegal recruiting fees.

(4) Contractors shall be required to provide adequate living conditions (sanitation, health, safety, living space) for their employees. Fifty square feet is the minimum acceptable square footage of personal living space per employee. Upon contractor’s written request, Contracting Officers may grant a waiver in writing in cases where the existing square footage is within 20% of the minimum, and the overall conditions are determined by the Contracting Officer to be acceptable. A copy of the waiver approval shall be maintained at the respective life support area.

(5) Contractors shall incorporate checks of life support areas to ensure compliance with the requirements of this Trafficking in Persons Prohibition into their Quality Control program, which will be reviewed within the Government’s Quality Assurance process.

(6) Contractors shall comply with International and Host Nation laws regarding transit/exit/entry procedures and the requirements for visas and work permits.

(c) Contractors have an affirmative duty to advise the Contracting Officer if they learn of their employees violating the human trafficking and inhumane living conditions provisions contained herein. Contractors are advised that Contracting Officers and/or their representatives will conduct random checks to ensure contractors and subcontractors at all tiers are adhering to the law on human trafficking, humane living conditions and withholding of passports.

(d) The contractor agrees to incorporate the substance of this clause, including this paragraph, in all subcontracts under his contract.

(End of Clause)

952.223-0001 REPORTING KIDNAPPINGS, SERIOUS INJURIES AND DEATHS (JUL 2010)

Contractors shall notify the Contracting Officer, as soon as practicable, whenever employee kidnappings, serious injuries or deaths occur.

Report the following information:

- Contract Number
- Contract Description & Location
- Company Name
- Reporting party:
 - Name
 - Phone number
 - e-mail address
- Victim:
 - Name
 - Gender (Male/Female)
 - Age
 - Nationality
 - Country of permanent residence
- Incident:
 - Description
 - Location
 - Date and time
 - Other Pertinent Information

(End of Clause)

952.225-0001 ARMING REQUIREMENTS AND PROCEDURES FOR PERSONAL SECURITY SERVICES CONTRACTORS AND FOR REQUESTS FOR PERSONAL PROTECTION (AUG 2011)

(a) **General.** Contractor and its subcontractors at all tiers that require arming under this contract agree to obey all laws, regulations, orders, and directives applicable to the use of private security personnel in Iraq and Afghanistan, including U.S. CENTCOM, United States Forces - Iraq (USF-I) and United States Forces - Afghanistan (USFOR-A)

Commander orders, instructions and directives. Contractors will ensure that all employees, including employees at any tier of subcontracting relationships, armed under the provisions of this contract, comply with the contents of this clause and with the requirements set forth in the following:

- (1) DODI 3020.50, *Private Security Contractors (PSCs) Operating in Contingency Operations*;
- (2) DODI 3020.41, *Program Management for Acquisition and Operational Contract Support in Contingency Operations*;
- (3) DFARS 252.225-7040, *Contractor Personnel Supporting a Force Deployed Outside the United States*;
- (4) Class Deviation 2011-O0004, *Contractor Personnel in the United States Central Command Area of Responsibility*
- (5) USFOR-A, FRAGO 11-128, *Outlines Management of Armed Contractors and Private Security Companies Operating in the Combined Joint Operations Area - Afghanistan (CJOA-A)*
- (6) USF-I OPORD 11-01, Annex C, Appendix 20
- (7) U.S. CENTCOM Policy and Delegation of Authority for Personal Protection and Contract Security Service Arming of DoD Civilian Personnel Dated 18 Jan 2011.

(b) **Required Contractor Documentation.** Contractors and their subcontractors at all tiers that require arming approval shall provide to the arming approval authority via the COR consistent documentation (signed and dated by the employee and employer as applicable) for each of their employees who will seek authorization to be armed under the contract as follows:

- (1) Weapons Qualification/Familiarization. All employees must meet the weapons qualification requirements on the requested weapon(s) established by any DoD or other U.S. government agency, Law of Armed Conflict (LOAC); Rules for the Use of Force (RUF), as defined in the U.S. CENTCOM Policy, dated 23 December 2005; and distinction between the above-prescribed RUF and the Rules of Engagement (ROE), which are applicable only to military forces.
- (2) Completed DD Form 2760 (or equivalent documentation) for each armed employee, indicating that the employee is not otherwise prohibited under U.S. law from possessing the required weapon or ammunition.
- (3) Written acknowledgement by the individual of the fulfillment of training responsibilities and the conditions for the authorization to carry firearms. This document includes the acknowledgement of the distinctions between the ROE applicable to military forces and RUF that control the use of weapons by DoD civilians, DoD contractors and PSCs.
- (4) Written acknowledgement signed by both the armed employee and by a representative of the employing company that use of weapons could subject both the individual and company to U.S. and host nation prosecution and civil liability.

(5) A copy of the contract between the contractor's company and the U.S. Government that verifies the individual's employment and addresses the need to be armed.

(6) One (1) copy of a business license from the Iraqi or Afghani Ministry of Trade or Interior.

(7) One (1) copy of a license to operate as a PSC (or a temporary operating license) from the Ministry of Interior.

(c) **Communication Plan.** The contractor will submit to the COR a communications plan that, at a minimum, sets forth the following:

(1) The contractor's method of notifying military forces and requesting assistance where hostilities arise, combat action is needed or serious incidents have been observed.

(2) How relevant threat information will be shared between contractor security personnel and U.S. military forces.

(3) How the contractor will coordinate transportation with appropriate military authorities.

(d) **Plan for Accomplishing Employee Vetting.** The contractor will submit to the COR an acceptable plan for vetting all contractor and subcontractor employees. The contractor shall, at a minimum, perform the following (which will be specifically addressed in its plan):

(1) Local Nationals: Perform Local and National Agency background checks in accordance with Host Nation Government policies and protocols.

(2) Use one or more of the following sources when conducting the background checks on Third Country Nationals: Interpol, FBI, (2) Country of Origin Criminal Records, Country of Origin U.S. Embassy Information Request, CIA records.

(3) All local nationals and third country nationals will voluntarily submit to full biometric enrollment in accordance with theater biometric policies prior to submitting arming requests. All local nationals and third country nationals will voluntarily submit to routine biometric screening in accordance with local installation policies and procedures. The contractor will immediately notify the COR, local installation Force Protection agency and the theater arming approval authority of any individuals who are revealed as potential security risks during biometric processing.

(4) The Contractor shall provide to the COR official written certification of candidate(s) suitability for employment. This certification may address multiple employees on a single certification but must clearly state each employee was vetted in accordance with the Contractor's plan for accomplishing employee vetting.

(e) **Penalties for Non-Compliance.** Failure of contractor or subcontractor employee(s) to comply with the laws, regulations, orders, and rules (including those specified herein) governing the use of force, training, arming authorization, and incident reporting requirements may result in the revocation of weapons authorization for such employee(s). Where appropriate, such failure may also result in the total revocation of weapons authorization for the contractor (or subcontractor) and sanctions under the contract, including termination.

(f) **Criminal and Civil Liability.** Arming of contractor or subcontractor employees under this contract may subject the contractor, its subcontractors, and persons employed by the same, to the civil and criminal jurisdiction of the U.S. and Host Nation. "Host Nation" refers to the nation or nations where services under this contract are performed.

(g) **Lapses in Training or Authorization.** Failure to successfully retrain an employee who has been properly authorized to be armed under this contract within twelve (12) months of the last training date will constitute a lapse in the employee's authorization to possess and carry the weapon. All unauthorized employees will immediately surrender their weapon and authorization letter to the contractor and will remain unarmed until such time as they are retrained and newly approved by the arming authority. Additionally, the arming authority's authorization letter is valid for a maximum of twelve (12) months from the date of the prior letter (unless authorization is earlier invalidated by a lapse in training).

(h) **Authorized Weapon & Ammunition Types.** Unless DCDRUSCENTCOM (or a designee) expressly provides otherwise, all arming requests and authorizations for contractor or subcontractor employees under this contract shall be limited to U.S. Government-approved weapons and ammunition. Notwithstanding Host Nation laws or regulations that would allow use of heavier weapons by contract security/PSC, all DoD security service / PSC contractors must have weapons approved by DCDRUSCENTCOM (or a designee) before use. This restriction applies to all weapons in the possession of contractor employees, even if such weapons are required for personal protection. The following weapons and ammunition are currently authorized by the U.S. Government for use in Iraq and Afghanistan:

- (1) The M9, M4, M16, or equivalent (e.g. .45 CAL, AK-47).
- (2) The M9 or equivalent sidearm will be the standard personal protection weapon unless other weapons are specifically requested and approved.
- (3) Standard authorized weapons are selectable fire semi-automatic weapons only. All Non-U.S. and Non-standard weapons must be submitted to the theater arming authority for review and approval. Non-standard weapons are classified as any machine gun, belt-fed or crew served weapon or any weapon utilizing ammunition greater than 7.62mm X 51mm NATO. Contractors must also provide scorecards and criteria for qualification appropriate to the Non-standard weapon's caliber.
- (4) U.S. government Ball ammunition is the standard approved ammunition.

(i) **Requirements for Individual Weapons Possession.** All employees of the contractor and its subcontractors at all tiers who are authorized to be armed under this contract must:

- (1) Possess only those U.S. Government-approved weapons and ammunition for which they are qualified under the training requirements of section (b) and subsequently authorized to carry.
- (2) Carry weapons only when on duty or at a specific post (according to their authorization).
- (3) Not conceal any weapons, unless specifically authorized.
- (4) Carry proof of authorization to be armed. Employees not possessing such proof will be deemed unauthorized and must surrender their weapon to their employer.
- (5) IAW USCENTCOM G.O. #1, consumption of alcohol or use of any intoxicating substances which may impair judgment, medication or otherwise in Iraq or Afghanistan is prohibited. In the event of a suspension or an exception to G.O. #1, employees shall not consume any alcoholic beverage while armed or within eight (8) hours of the next work period when they will be armed. There are no circumstances under which a person will be authorized to consume any alcoholic beverage or use any judgment impairing substance when armed for personal protection.

(j) **Weapons/Equipment Restrictions and Responsibilities.** Unless otherwise provided, the U.S. Government will not provide any weapons or ammunition to contractors, their subcontractors, or any employees of the same. The Contractor will provide all weapons and ammunition to those employees that will be armed under the contract. The contractor and its subcontractors at all tiers will also provide interceptor body armor, ballistic helmets, and the Nuclear, Biological, and Chemical (NBC) protective masks to those employees that require such equipment in the performance of their duties.

(k) **Rules for the Use of Force (RUF).** In addition to the RUF and ROE training referenced in paragraph (b), the contractor and its subcontractors at all tiers will monitor and report all activities of its armed employees that may violate the RUF and/or otherwise trigger reporting requirements as serious incidents. Prompt reporting demonstrates a desire by the contractor and its subcontractors to minimize the impact of any violations and, therefore, will be given favorable consideration. Violations of the RUF include, though are not limited to:

- (1) Taking a direct part in hostilities or combat actions, other than to exercise self-defense.
- (2) Failing to cooperate with Coalition and Host Nation forces.
- (3) Using deadly force, other than in self-defense where there is a reasonable belief of imminent risk of death or serious bodily harm.
- (4) Failing to use a graduated force approach.
- (5) Failing to treat the local civilians with humanity or respect.

(6) Detaining local civilians, other than in self-defense or as reflected in the contract terms.

(l) **Retention and Review of Records.** The Contractor and all subcontractors at all tiers shall maintain records on weapons training, LOAC, RUF and the screening of employees for at least six (6) months following the expiration (or termination) of the contract. The Contractor and its subcontractors at all tiers shall make these records available to the Contracting Officer or designated representative, at no additional cost to the government, within 72 hours of a request.

(m) **Contractor Vehicles.** Vehicles used by contractor and subcontractor personnel in the course of their security duties shall not be painted or marked to resemble U.S./Coalition or host nation military and police force vehicles.

(n) **Monthly Reporting.** The prime contractor will report monthly arming status to the Contracting Officer responsible for this contract, and any other organization designated by the Contracting Officer in accordance with theater policy and the timelines defined in the Performance Work Statement.

(End of Clause)

952.225-0002 ARMED PERSONNEL INCIDENT REPORTS (AUG 2011)

(a) All contractors and subcontractors in the United States Forces-Iraq (USF-I) or United States Forces-Afghanistan (USFOR-A) theater of operations shall comply with and shall ensure that their personnel supporting USF-I or USFOR-A forces are familiar with and comply with all applicable orders, directives, and instructions issued by the respective USF-I or USFOR-A Commanders relating to force protection and safety.

(b) **IRAQ:** Contractors shall provide an initial report of all weapons firing incidents or any other serious incidents they or their contractors are involved in to USF-I Contractor Operations Cell (CONOC) as soon as practical, but not later than 4 hours after the incident. The contractor and its subcontractors at all tiers shall submit a written report to CONOC, the Contracting Officer (KO) within 96 hours of the incident. Interim reports shall be submitted between the initial and final report, when necessary to the CONOC at usfic3conoc@iraq.centcom.mil DSN 318-435-2369, UK# 0044 203 286 9851 or 0044 203 239 5894 or Skype: USFICONOC.

(c) **AFGHANISTAN:** Contractors shall immediately report all incidents and use of weapons through their Contracting Officers Representative (CORs) who will notify the Contracting Officer. Contracting Officers are responsible to notify the SCO-A Chief of Operations and the SAR @ USFOR-A (SAR SHIFT DIRECTOR, DSN: 318-237-1761) Information should include: the name of the company, where the incident occurred, time when the incident occurred, a brief description of the events leading up to the incident, and a point of contact for the company. The SCO-A Chief of Operations in coordination with the SAR will issue guidance for further reporting requirements.

(d) Contractors shall provide first aid and request MEDEVAC of injured persons, and remain available for U.S. or Coalition response forces, based upon the situation. In the event contractor personnel are detained by U.S. or Coalition Forces, prolonged detention due to lack of proper identification can be alleviated by contractor personnel possessing on their person information that includes the contractor's name, the contract number, a contractor management POC, and the phone number of the CONOC/SAR Watch. Contractor and subcontractor personnel shall carry their Letter of Authorization (LOA) on their person at all times.

(End of Clause)

952.225-0003 FITNESS FOR DUTY AND MEDICAL/DENTAL CARE LIMITATIONS (AUG 2011)

(a) The contractor shall perform the requirements of this contract notwithstanding the fitness for duty of deployed employees, the provisions for care offered under this section, and redeployment of individuals determined to be unfit. Contractor personnel who deploy for multiple tours, for more than 12 months total must be re-evaluated for fitness to deploy. An examination will remain valid for 15 months from the date of the physical. The contractor bears the responsibility for ensuring all employees are aware of the conditions and medical treatment available at the performance location. The contractor shall include this information and requirement in all subcontracts with performance in the theater of operations.

(b) The contractor shall not deploy an individual with any of the following conditions unless approved by the appropriate CENTCOM Service Component (i.e. ARCENT, AFCENT, etc.) Surgeon: Conditions which prevent the wear of personal protective equipment, including protective mask, ballistic helmet, body armor, and chemical/biological protective garments; conditions which prohibit required theater immunizations or medications; conditions or current medical treatment or medications that contraindicate or preclude the use of chemical and biological protective's and antidotes; diabetes mellitus, Type I or II, on pharmacological therapy; symptomatic coronary artery disease, or with myocardial infarction within one year prior to deployment, or within six months of coronary artery bypass graft, coronary artery angioplasty, or stenting; morbid obesity (BMI \geq 40%); dysrhythmias or arrhythmias, either symptomatic or requiring medical or electrophysiological control; uncontrolled hypertension, current heart failure, or automatic implantable defibrillator; therapeutic anticoagulation; malignancy, newly diagnosed or under current treatment, or recently diagnosed/treated and requiring frequent subspecialist surveillance, examination, and/or laboratory testing; dental or oral conditions requiring or likely to require urgent dental care within six months' time, active orthodontic care, conditions requiring prosthodontic care, conditions with immediate restorative dentistry needs, conditions with a current requirement for oral-maxillofacial surgery; new onset (< 1 year) seizure disorder, or seizure within one year prior to deployment; history of heat stroke; Meniere's Disease or other vertiginous/motion sickness disorder, unless well controlled on medications available in theater; recurrent syncope, ataxias, new diagnosis (< 1 year) of mood disorder, thought disorder, anxiety, somatoform, or dissociative disorder, or personality disorder with mood or thought manifestations; unrepaired hernia; tracheostomy or aphonia; renalithiasis, current; active tuberculosis; pregnancy; unclosed surgical defect, such as external fixeter placement; requirement for medical devices using AC power; HIV antibody positivity; psychotic and bipolar disorders. (Reference: Mod 10 to

USCENTCOM Individual Protection and Individual/Unit Deployment Policy, Tab A: Amplification of the Minimal Standards of Fitness for Deployment to the CENTCOM AOR).

(c) In accordance with military directives (DoDI 3020.41, DoDI 6000.11, CFC FRAGO 09-1038, DoD Federal Acquisition Regulation Supplement (DFARS) PGI 225.74), resuscitative care, stabilization, hospitalization at Level III (emergency) military treatment facilities and assistance with patient movement in emergencies where loss of life, limb or eyesight could occur will be provided. Hospitalization will be limited to emergency stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system. Subject to availability at the time of need, a medical treatment facility may provide reimbursable treatment for emergency medical or dental care such as broken bones, lacerations, broken teeth or lost fillings.

(d) Routine and primary medical care is not authorized. Pharmaceutical services are not authorized for routine or known, routine prescription drug needs of the individual. Routine dental care, examinations and cleanings are not authorized.

(e) Notwithstanding any other provision of the contract, the contractor shall be liable for any and all medically-related services or transportation rendered. To view reimbursement rates that will be charged for services at all DoD deployed medical facilities please go to the following website: <http://comptroller.defense.gov/rates/fy2011.html> (change fiscal year as applicable).

(End of Clause)

952.225-0004 – COMPLIANCE WITH LAWS AND REGULATIONS (JUL 2010)

(a) The Contractor shall comply with, and shall ensure that its employees and its subcontractors and their employees, at all tiers, are aware of and obey all U.S. and Host Nation laws, Federal or DoD regulations, and Central Command orders and directives applicable to personnel in Iraq and Afghanistan, including but not limited to USCENTCOM, Multi-National Force and Multi-National Corps operations and fragmentary orders, instructions, policies and directives.

(b) Contractor employees shall particularly note all laws, regulations, policies, and orders restricting authority to carry firearms, rules for the use of force, and prohibiting sexual or aggravated assault. Contractor employees are subject to General Orders Number 1, as modified from time to time, including without limitation, their prohibition on privately owned firearms, alcohol, drugs, war souvenirs, pornography and photographing detainees, human casualties or military security measures.

(c) Contractor employees may be ordered removed from secure military installations or the theater of operations by order of the senior military commander of the battle space for acts that disrupt good order and discipline or violate applicable laws, regulations, orders, instructions, policies, or directives. Contractors shall immediately comply with any such order to remove its contractor employee.

(d) Contractor employees performing in the USCENTCOM Area of Responsibility (AOR) may be subject to the jurisdiction of overlapping criminal codes, including, but not limited to, the Military Extraterritorial Jurisdiction Act (18 U.S.C. Sec. 3261, et al) (MEJA), the Uniform Code of Military Justice (10 U.S.C. Sec. 801, et al)(UCMJ), and

the laws of the Host Nation. Non-US citizens may also be subject to the laws of their home country while performing in the USCENTCOM AOR. Contractor employee status in these overlapping criminal jurisdictions may be modified from time to time by the United States, the Host Nation, or by applicable status of forces agreements.

(e) Under MEJA, a person who engages in felony misconduct outside the United States while employed by or accompanying the Armed Forces is subject to arrest, removal and prosecution in United States federal courts. Under the UCMJ, a person serving with or accompanying the Armed Forces in the field during a declared war or contingency operation may be disciplined for a criminal offense, including by referral of charges to a General Court Martial. Contractor employees may be ordered into confinement or placed under conditions that restrict movement within the AOR or administratively attached to a military command pending resolution of a criminal investigation.

(f) Contractors shall immediately notify military law enforcement and the Contracting Officer if they suspect an employee has committed an offense. Contractors shall take any and all reasonable and necessary measures to secure the presence of an employee suspected of a serious felony offense. Contractors shall not knowingly facilitate the departure of an employee suspected of a serious felony offense or violating the Rules for the Use of Force to depart Iraq or Afghanistan without approval from the senior U.S. commander in the country.

(End of Clause)

952.225-0005 MONTHLY CONTRACTOR CENSUS REPORTING (AUG 2011)

Contractor shall provide monthly employee census information to the Contracting Officer, by province, for this contract. Information shall be submitted either electronically or by hard-copy. Information shall be current as of the 25th day of each month and received by the Contracting Officer no later than the first day of the following month. The following information shall be provided for each province in which work was performed:

- (1) The total number (prime and subcontractors at all tiers) employees.
- (2) The total number (prime and subcontractors at all tiers) of U.S. citizens.
- (3) The total number (prime and subcontractors at all tiers) of local nationals (LN).
- (4) The total number (prime and subcontractors at all tiers) of third-country nationals (TCN).
- (5) Name of province in which the work was performed.
- (6) The names of all company employees who enter and update employee data in the Synchronized Pre-deployment & Operational Tracker (SPOT) IAW DFARS 252.225-7040 or DFARS DOD class deviation 2011-O0004.

(End of Clause)

952.225-0009 MEDICAL SCREENING AND VACCINATION REQUIREMENTS FOR CONTRACTOR EMPLOYEES OPERATING IN THE CENTCOM AREA OF RESPONSIBILITY (AOR) (AUG 2011)

(a) Contractors and subcontractors at any tier shall ensure and provide satisfactory evidence that all locally hired employees, including Local National (LN), Third Country National (TCN), and U.S. employees, working on bases have been screened for and do not currently have active tuberculosis (TB).

(1) Contractors may initially utilize a testing method of either a chest x-ray or TB skin test (TST), depending on the originating country of a contracted employee.

(i) Chest x-rays (CXR's), symptom survey, and Body Mass Index (BMI) shall be taken, and TSTs administered within 12 months prior to the start of deployment/employment. Contractors are required to bring in a physical copy of the pre-employment CXR film as it is the only way to verify interval changes should an active case of TB occur.

(A) Third Country Nationals (TCNs) and Local Nationals (LNs) cannot be screened with the TST. They need the pre-employment screening with a quality CXR, BMI and symptom survey.

(B) Small-Risk Nationals (SRNs), those with less than 25 TB cases per 100,000 persons annually (mostly expats from Europe and US), can be screened via the TST.

(ii) Annual re-screening for TCNs, and LNs will be performed with a CXR conducted by the Contractor's medical provider or local economy provider who will look for interval changes from prior CXR's and review any changes in the symptom survey.

(iii) SRN's do not require annual TB re-screening. However, for a TB contact investigation, a TST or Interferon Gamma Release Assay (IGRA) is required.

(iv) For a contact investigation, all personnel with a positive TST or IGRA will be evaluated for potential active TB with a symptom screen, exposure history, BMI, and CXR. All cases of suspected or confirmed active TB must be reported to the theater Preventive Medicine (PM) physician and/or TB Consultant as soon as possible. TB reporting is required within 24 hours to the PM POC. Contact tracing, and medical coding have specific requirements. All Small-Risk National (SRN) contract personnel are required to be MEDEVAC'd out of theater, at the contractor's expense, for treatment of active TB, after consultation with the Theater PM or TB Consultant. For SRN personnel, the contractor is responsible for management and compliance with all prescribed public health actions.

(v) Screening may be performed either by a licensed medical provider from the local economy or by the contractors' licensed medical staffs. Contractors shall maintain medical screening documentation and make it available to the Contracting Officer upon request.

(2) TB screening and documentation is a requirement prior to receiving badges to work in the CENTCOM Area of Operations. A copy of the TB screening documentation shall be provided to the responsible Base Operations Center prior to issuance of base access badges.

(b) Contractor employees, including subcontractors at any tier, who work in food service positions and/or water and ice production facilities, shall have current Typhoid and Hepatitis “A” (full series) immunizations in accordance with the Centers for Disease Control and Prevention guidelines (e.g. typhoid vaccination booster is required every 2 years), in addition to the required TB tests. The contractor medical provider must complete a pre-placement examination to include a stool sample test for ova and parasites, and annual medical screening form or equivalent for food service, ice and water production workers.

(c) Proof of individual employee vaccinations shall be provided to the Contracting Officer and COR showing that their employees and their subcontractor employees at any tier have received the above vaccinations. The contractor shall maintain their employees’ vaccination records for examination by the Contracting Officer. The contractor shall ensure that their subcontractors at any tier maintain their respective employees’ vaccination records for examination by the Contracting Officer.

(d) The contractor is responsible for management and compliance with all prescribed public health actions regarding TB in the contracted personnel. The contractor also bears the responsibility of ensuring that adequate health management for TB (screening/diagnosis/treatment/isolation) is available at the contractor’s chosen health care provider for their contracted and subcontracted personnel.

NOTE: Contractors are reminded of the requirement to comply with their contract and all regulatory guidance (DoD Instructions/Regulations, Federal Acquisition Regulation as Supplemented, and FRAGO’s) as applicable regarding Medical Screening and Vaccination Requirements.

(End of Clause)

952.225-0011 GOVERNMENT FURNISHED CONTRACTOR SUPPORT (AUG 2011)

The following is a summary of the type of support the Government will provide the contractor, on an “as-available” basis. In the event of any discrepancy between this summary and the description of services in the Statement of Work, this clause will take precedence.

* CAAF means Contractors Authorized to Accompany Forces.

U.S. Citizens Accompanying the Force

- | | | |
|---|---|--|
| <input type="checkbox"/> APO/FPO/MPO/Postal Services | <input type="checkbox"/> DFACs | <input type="checkbox"/> Mil Issue Equip |
| <input type="checkbox"/> Authorized Weapon | <input type="checkbox"/> Excess Baggage | <input type="checkbox"/> MILAIR |
| <input type="checkbox"/> Billeting | <input type="checkbox"/> Fuel Authorized | <input type="checkbox"/> MWR |
| <input type="checkbox"/> CAAF* | <input type="checkbox"/> Govt Furnished Meals | <input checked="" type="checkbox"/> Resuscitative Care |
| <input type="checkbox"/> Controlled Access Card (CAC) | <input type="checkbox"/> Military Banking | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Badge | <input type="checkbox"/> Military Clothing | <input type="checkbox"/> All |
| <input type="checkbox"/> Commissary | <input type="checkbox"/> Military Exchange | <input type="checkbox"/> None |
| <input type="checkbox"/> Dependents Authorized | | |

Third-Country National (TCN) Employees

- | | | |
|---|---|--|
| <input type="checkbox"/> APO/FPO/MPO/Postal Services | <input type="checkbox"/> DFACs | <input type="checkbox"/> Mil Issue Equip |
| <input type="checkbox"/> Authorized Weapon | <input type="checkbox"/> Excess Baggage | <input type="checkbox"/> MILAIR |
| <input type="checkbox"/> Billeting | <input type="checkbox"/> Fuel Authorized | <input type="checkbox"/> MWR |
| <input type="checkbox"/> CAAF* | <input type="checkbox"/> Govt Furnished Meals | <input checked="" type="checkbox"/> Resuscitative Care |
| <input type="checkbox"/> Controlled Access Card (CAC) | <input type="checkbox"/> Military Banking | <input type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Badge | <input type="checkbox"/> Military Clothing | <input type="checkbox"/> All |
| <input type="checkbox"/> Commissary | <input type="checkbox"/> Military Exchange | <input type="checkbox"/> None |
| <input type="checkbox"/> Dependents Authorized | | |

Local National (LN) Employees

- | | | |
|--|--|--|
| <input type="checkbox"/> APO/FPO/MPO/Postal Services | <input type="checkbox"/> DFACs | <input type="checkbox"/> Mil Issue Equip |
| <input type="checkbox"/> Authorized Weapon | <input type="checkbox"/> Excess Baggage | <input type="checkbox"/> MILAIR |
| <input type="checkbox"/> Billeting | <input type="checkbox"/> Fuel Authorized | <input type="checkbox"/> MWR |

(3) **Badging:** The prime contractor is responsible to ensure all employee badges, including subcontractor employees at all tiers, are returned to the local Access Control Badging Office for de-activation and destruction. The prime contractor shall submit a Badge Termination Report to ensure each record is flagged and the badge is revoked. If a prime and/or subcontractor employee's badge is not returned, the prime contractor shall submit a Lost, Stolen or Unrecovered Badge Report to the appropriate Access Control Badging Office. Contractor employees in possession of a Common Access Card (CAC) shall be responsible for turning in the CAC upon re-deployment through a CONUS Replacement Center in the U.S. Failure to return employee badges in a timely manner may result in delay of final payment.

(4) **Contractor Controlled Facility Space:** If the prime contractor has entered into a Memorandum of Understanding with the Installation Mayor or Garrison for site space, buildings, facilities, and/or Containerized Housing Units (CHU) to house prime and/or subcontractor employees (at all tiers), the prime contractor is responsible to notify the Installation Mayor or Garrison Commander of intent to vacate at least 90 calendar days prior to the end of the contract performance period. All United States Government (USG) provided property in the prime contractor's possession must be returned to the USG in satisfactory condition. The prime contractor is responsible and liable for any and all damages to USG property caused by prime and/or subcontractor employees, and shall be further liable for all cleanup, clearing, and/or environmental remediation expenses incurred by the USG in returning prime contractor and/or subcontractor facilities including surrounding site to a satisfactory condition, including expenses incurred in physically moving property, trash, and refuse from such premises, removing/remediating hazardous wastes on the premises, and repairing structures, buildings, and facilities used by the prime contractor and/or subcontractor. The prime contractor shall provide notification to the Installation Mayor or Garrison Commander to perform an inspection of all facilities as soon as practicable, but no more than 30 days, after the end of the contract period. If damages are discovered, the prime contractor shall make the necessary repairs. The prime contractor shall notify the Installation Mayor or Garrison Commander for re-inspection of the facilities upon completion of the repairs. If the Installation Mayor or Garrison Commander inspects the property, site space, buildings, facilities, and/or CHUs and finds they have not been properly cleaned, cleared, and/or environmentally remediated, or if the prime contractor fails to repair any damages within 30 calendar days after the end of the contract performance period, the final contract payment shall be reduced by the amount of the specified damages/repairs or the expenses incurred by the USG to properly clean, clear, and/or environmentally remediate the premises.

(5) **Government Furnished Equipment/Materials:** The prime contractor is responsible to return all USG furnished equipment, as defined in Federal Acquisition Regulation (FAR) Part 45, clauses 52.245-1, if included in the contract. Prime contractors who are not in compliance with the FAR, Defense Federal Acquisition Regulation Supplement, Department of Defense Directives and Instructions, policies, or procedures will be responsible and liable for damages to the government property. The prime contractor may apply for a "relief of responsibility" from the Contracting Officer anytime during the contract performance period. A joint inventory shall be conducted of the equipment by the prime contractor, USG representative, and the Contracting Officer or their representative, within 10 calendar days after the end of the contract performance period. The prime contractor shall report lost, damaged or destroyed property immediately to the Contracting Officer, but no later than the joint inventory at the end of the contract period. If the prime contractor fails to report lost, damaged or destroyed equipment or materials during the contract performance period, the prime contractor shall be responsible for the replacement and/or repair of the equipment or materials. The replaced equipment shall be new, of the same quality, and shall perform at the same functional level as the missing piece of equipment. If the prime contractor fails to repair and/or replace damaged or missing equipment, the final payment shall be reduced by the appropriate amount of the specified damages or cost to replace missing equipment with new.

(6) **Contractor Personal Property:** The contractor is advised that all personal property left on the respective installation after the date of departure of said premises, shall be sold or otherwise disposed of in accordance with 10 U.S.C. § 2575.

(i) A request for the return of the property will be honored, if feasible, and if received before the expiration of the period of time allowed to vacate the installation.

(ii) If abandoned property is left on the respective installation, contractual remedies may be enforced against the contractor, (See paragraph (b) of this clause for potential contractual remedies). Additionally, even if the contractor waives its interest to all abandoned personal property, the contractor may still be liable for all costs incurred by the USG to remove or dispose of the abandoned property.

(iii) The contractor hereby authorizes the USG authority to dispose of any and all abandoned personal property in any manner the USG may deem suitable and hereby releases and discharges the USG and its agents from any and all claims and demands whatsoever that could otherwise be asserted because of the disposition of said abandoned personal property.

(7) Synchronized Predeployment Operational Tracker (SPOT): The prime contractor is responsible to close out the deployment of personnel, including subcontractor employees at all tiers, at the end of the contract completion period and to release the personnel from the prime contractor's company in the SPOT database. The release of employee information must be accomplished no more than 30 calendar days after the end of the contract completion date.

(8) Accountability of Prime and Subcontractor Personnel: Whether specifically written into the contract or not, it is the expectation of the USG that for any persons brought into the Afghanistan CJOA for the sole purposes of performing work on USG contracts, contract employers will return employees to their point of origin/home country once the contract is completed or their employment is terminated for any reason. If the prime contractor fails to re-deploy an employee, or subcontractor employee at any tier, the USG shall notify the applicable U.S. Embassy to take appropriate action. Failure by the prime contractor to re-deploy its personnel, including subcontractor personnel at any tier, at the end of the contract completion date, could result in the contractor being placed on the Excluded Parties List System (EPLS) and not be allowed to propose on future U.S. contracts anywhere in the world.

(9) Personnel Recovery: Any DoD contractor with unaccounted for employees shall follow the instructions in the "Contractor Accountability and Personnel Recovery" Clause 952.225-20. The contractor may use the Contracting Fusion Cell as a resource to track or research employees last known location and/or to view LOA's.

(b) CENTCOM - Joint Theater Support Contracting Command (C-JTSCC) and external agencies will utilize all available contracting remedies to guarantee compliance with demobilization requirements. Such actions include, but are not limited to withholding payment, issuing a cure notice, issuing a negative Contractor Performance Assessment Reporting System (CPARS) evaluation, reduction of award fee, debarment, reimbursement of U.S. Government expenses, and/or any other legal remedy available to a contracting officer. The USG reserves the right to withhold payment from the prime contractor not in compliance with the above procedures included herein. Additionally, the Contracting Officer shall document all unresolved contractor compliance issues in CPARS, which shall have an adverse past performance affect on future contracts with the USG, anywhere in the world.

(End of Clause)

**952.225-0020 CONTRACTOR ACCOUNTABILITY AND PERSONNEL RECOVERY (AFGHANISTAN)
(AUG 2011)**

(a) Contract performance may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the contractor accepts the risks associated with required contract performance in such operations.

(1) Unaccounted Personnel: It is the expectation of the USG that any contractor brought into Afghanistan for the sole purposes of performance of work on a USG contract must be accounted for at all times by their respective employers. Additionally, contractors who maintain living quarters on a USG base shall verify the location of each of its employees' living quarters a minimum of once a month. If a DoD contracted employee becomes missing and evidence does not indicate foul play, a Personnel Recovery (PR) event is NOT automatically triggered. Such an event will be treated as an accountability battle drill by the employer's chain of command or civilian equivalent.

(2) Contractor Responsibilities: The contractor is responsible to take all necessary steps to locate and investigate the unaccounted for employee(s) whereabouts to the maximum extent practicable. To assist in this process, contractors may use the Contracting Fusion Cell as a resource to track or research employee's last known location and/or to view LOA's. All missing personnel will be immediately reported to the installation division Personnel Recovery Officer (PRO), Mayor's cell, Military Police Station and/or the Criminal Investigative Division, and the Base Defense Operations Center (BDOC).

(3) Contractor Provided Information: If it is determined that a potential criminal act has occurred, the USD PRO (or USFOR-A Personnel Recovery Division (PRD) with prior coordination) will attempt to validate the missing person's identity through the employer. The contractor shall provide the information to PRD within 12 hours of request. The required information the contractor should keep on file includes but is not limited to: copy of the individual's Letter of Authorization generated by the Synchronized Pre-deployment and Operational Tracker System (SPOT), copy of passport and visas, housing information of where the individual resides such as room number and location, DD Form 93, Record of Emergency Data, copy of badging, and contact information for known friends or associates.

(b) If USFOR-A PRD determines through investigation that the unaccounted personnel have voluntarily left the installation either seeking employment with another contractor or other non-mission related reasons, PRD will notify the contractor. The contractor shall ensure that all government-related documents such as LOA's, visas, etc. are terminated/reconciled appropriately within 24 hours of notification by PRD in accordance with subparagraph (a)(8) of C-JTSCC Clause 952.225-0016 entitled "Contractor Demobilization (Afghanistan)". Contractors who fail to account for their personnel or whose employees create PR events will be held in breach of their contract and face all remedies available to the Contracting Officer.

(End of Clause)

952.236-0001 ELECTRICAL AND STRUCTURAL BUILDING STANDARDS FOR CONSTRUCTION PROJECTS (AUG 2011)

(a) The standards set forth herein are the minimum requirements for the contract. These standards must be followed unless a more stringent standard is specifically included. In such case the most stringent standard shall be required for contract acceptance.

(b) The contractor, in coordination with the Contracting Officer, Base Camp Mayor, Base/Unit Engineers, and requiring activity shall evaluate, upgrade, build, and/or refurbish buildings to a safe and livable condition. This work may include refurbishment, construction, alterations, and upgrades. All work shall be in accordance with accepted standards of quality.

(c) As dictated by the Unified Facilities Criteria (UFC) the contract shall meet:

- (1) "the minimum requirements of United States' National Fire Protection Association (NFPA) 70,
- (2) 2011 National Electrical Code (NEC),
- (3) American National Standards Institute (ANSI) C2, and
- (4) United States' National Electrical Safety Code (NESC).

(d) These standards must be met when it is reasonable to do so with available materials. When conditions dictate deviation, then provisions within the International Electrical Code (IEC) or British Standard (BS 7671) shall be followed. Any deviations from the above necessary to reflect market conditions, shall receive prior written approval from a qualified engineer and the Contracting Officer.

(e) The following internet links provide access to some of these standards:

UFC: http://www.wbdg.org/ccb/browse_cat.php?o=29&c=4

NFPA 70: <http://www.nfpa.org>

NESC: <http://www.standards.ieee.org/nesc>

(End of Clause)

DBA AND TRAVEL

WORKERS COMPENSATION INSURANCE (DEFENSE BASE ACT) (APRIL 2011)

(a) This Special Contract Requirement supplements FAR Clause 52.228-3 Workers' Compensation Insurance (Defense Base Act).

(b) The contractor agrees to procure Defense Base Act (DBA) insurance pursuant to the terms of the contract between the U.S. Army Corps of Engineers (USACE) and **CNA Insurance** unless the contractor has a DBA self-insurance program approved by the Department of Labor. Proof of this self-insurance shall be provided to the Contracting Officer. The contractor shall submit proof of a valid DBA Insurance policy with CNA Insurance for the Prime and their Subcontractor's at every tier prior to performance of the contract. The current rates under the USACE, C3 and 408th CSB contract are as follows:

Service	\$3.50	per \$100 of employee remuneration
Construction	\$4.25	per \$100 of employee remuneration
Security	\$10.00	per \$100 of employee remuneration
Aviation	\$17.00	per \$100 of employee remuneration

(c) Labor Category/Job Classification Definitions:

SERVICE: White-collar" workers providing IT, engineering/consulting services, and restaurant services. Security consultants are included in this category if they are only providing risk assessment services and no form of armed protection.

CONSTRUCTION: "Blue-collar" workers providing services such as carpentry, electrical, plumbing, mechanical, concrete/asphalt, de-mining, roofing, landscaping, janitorial, trash removal, Port-a-John/septic cleaning, pest exterminating, auto repair/dismantling, drivers/couriers, and heavy equipment operation and maintenance. Construction site supervisors/managers and life support service providers are included in this category as well as all Unskilled and Manual Labor Day Laborers.

SECURITY: Personal Security Detail (PSD) and Static or Convoy Guarding of property or personnel.

AVIATION: Pilot and Crew of any aircraft excluding ground personnel who provide maintenance or services and stay on the ground.

NOTE: More than one rate may be applicable as more than one type of labor may be applicable for a particular contract.

(d) The contractor agrees to insert a Special Contract Requirement substantially the same as this one in all subcontracts (at every tier) to which DBA is applicable. Every subcontractor shall procure its own DBA Insurance coverage directly from CNA Insurance Co.

(e) Should the rates for DBA insurance coverage increase or decrease during the performance of this contract, USACE shall modify the contract accordingly. However, the revised rates will not be applicable until the Contractor's or Subcontractor's DBA Insurance policy is due to be renewed.

(f) CNA's Broker (Rutherford International) shall provide proof of confirmation of coverage within 3 working days of receipt of a complete insurance application. This confirmation should be used by the Contracting Officer to issue notice to proceed with performance.

(g) Premiums will be reimbursed only if coverage is purchased through the USACE mandatory requirements DBA contract administered by CNA Insurance and their Managing Broker, Rutherford International.

(h) Claims Reporting - The Contractor shall make timely Defense Base Act insurance claims on behalf of each employee who is injured or killed in the course of their employment under this contract, and shall ensure that similar language is in each Subcontractor's contract. The Contractor's Safety Officer shall, in addition to any other duties required to be performed under the contract, perform the following:

(i) Make timely Defense Base Act insurance claims on behalf of each employee who is injured or killed in the course of their employment under this contract; and

(ii) Make monthly written reports to the Contracting Officer, Administrative Contracting Officer, and the District/Center Safety and Occupational Health Manager, providing the names of each such injured or deceased employee, the circumstances surrounding each injury or death, the dates of each injury or death, the date the insurance claim was made on behalf of each employee, and the current status of each claim.

The District/Center Safety and Occupational Health Manager POC is:

Susan R. Fox, Email: Susan.R.Fox@usace.army.mil

(i) The Insurance carrier/Broker will conduct periodic audits of actual contractor payroll amounts. When a return is due for over-payment of premium on a specific audit, such returned premium shall be returned to the U.S. Department of Treasury.

(j) Failure to comply and purchase Defense Base Act (DBA) Insurance in accordance with FAR Clauses 52.228-3 Workers' Compensation Insurance (Defense Base Act), from the U.S. Army Corps of Engineers mandatory Insurance Carrier/Broker (CNA Insurance/Rutherford International) for the Prime and all of the Subcontractors at every tier, shall be considered a material breach and could cause your contract to be terminated for default/cause.

(End of clause)

TRAVEL WARNINGS

The contractor shall provide all personnel working under this contract, and shall require subcontractors to provide their personnel, with a written notification advising such personnel to be aware of US State Department Travel Warnings with respect to Afghanistan, available at <http://travel.state.gov>, in the event they wish to consider bringing their dependants into Afghanistan. A copy of the notice *shall be furnished to the contracting officer upon award of the contract*, along with a certification by an authorized company representative attesting to the provision of the notification to contractor personnel. At no time, subject to the written approval of the contracting officer, may the contractor allow such dependants, or any other unauthorized individuals, to be present on the project site grounds, whether in transit or otherwise.

(End of clause)

APPLICATION OF US CRIMINAL JURISDICTION

Reference DODI 5525.11. The contractor is directed to provide all of its personnel working under this contract, and to require all of its subcontractors to provide their personnel, with written notification that - with the exception of nationals of Afghanistan and those ordinarily resident in Afghanistan - contractor and subcontractor personnel, and

the dependents of contractor and subcontractor personnel who are residing with such personnel, may be subject to US criminal jurisdiction as provided for in the Military Extraterritorial Jurisdiction Act, 18 USC 3261-3267; see Section 3267(1)(A)(iii)(I) and (2)(A)(iii). A copy of the notice *shall be furnished to the contracting officer upon award of the contract*, along with a certification by an authorized company representative attesting to the provision of the notification to contractor personnel.

(End of clause)

The following have been deleted:

SECTION 00800 C3 CLAUSES

(End of Summary of Changes)

SECTION 01010

SCOPE OF WORK

1. PROJECT DESCRIPTION

The project consists of the design and construction of an Afghan National Army Garrison for the 4th Brigade, 205th Corps in Tarin Kowt, Uruzgan Province, Afghanistan. The garrison project consists of new Brigade HQ Kandak, GSU Kandak, CS/RCC Kandak, CSS Kandak, Infantry Kandak, and other common facilities for the brigade including all waste water treatment plant, support facilities, utilities and infrastructure as applicable. Note: The term "Kandak" refers to the common Afghan terminology for a military Company unit.

The project includes buildings and facilities that shall be designed and constructed using full design Arch-Span type construction methods according to the standard design plans located in the Appendix A and full design standard drawings for facilities CMU type construction located in Appendix A of this IFB. The project is defined as the design, materials, labor, and equipment to construct buildings, roads, utilities, and other infrastructure to accommodate a garrison with a design-end population of approximately 4,700 personnel.

The project must be completed in 550 days from the Notice-to-Proceed (NTP). All buildings and facilities must be constructed and become operational following the Construction Priority List specified in this Section. All buildings and facilities are categorized in four (4) priorities. Refer to Section 7, Completion of Work, for general requirements and for the priority listing of buildings and facilities as shown in Table 7.1, Construction Priorities Schedule.

The contractor shall be responsible for providing final design and as-built drawings for most facilities, site work, and related designs that shall include, but shall not be limited to the following:

- Buildings & Facilities: to be constructed following applicable drawings. Refer to paragraph 2, Summary of Work, for further information pertaining to the buildings and facilities. The associated drawings for all facilities are found in the Appendix A.
- Utilities: Electrical distribution system; Communication system backbone (conduits); Water distribution system and Wastewater treatment, water well, and collection system.
- Infrastructure: Road network, convoy assembly area, and parking inside the compound.
- Force Protection: All perimeter fences, perimeter access road, guard towers, perimeter wall, and the secondary entry control point.

The Contractor may be required to coordinate the efforts required under this contract with at least one other contractor at the site. Such coordination is required as part of this contract. The coordination effort may be significant and may include such tasks as the exchange of information with other contractors such as design data, drawings, calculations, and technical information. Additionally, it may be necessary for the contractor to conduct meetings, hold teleconferences, and prepare the submittal of additional information to the Contracting Officer (KO) that demonstrates the coordination and integration of new work with existing and future work of other contractors. All coordination shall be in agreement with the KO and approved prior to the commencement of any work.

1.1 LOCATION

All work under this solicitation is for the 4th Brigade, 205th Corps ANA Garrison in Uruzgan Province, Afghanistan. The approximate coordinates, in MGRS, of the Right of Way/limit of work for the Garrison are shown in the Overall Concept Plan attached in the Appendix A.

1.2 ENGLISH LANGUAGE REQUIREMENT

All information shall be presented in English. The Contractor shall have a minimum of one English-speaking representative to communicate with the COR at all times when work is in progress.

1.3 CQM TRAINING REQUIREMENT

The Contractor's Quality Control (QC) Manager is required to have completed the U.S. Army Corps of Engineers (USACE) Construction Quality Management (CQM) course or equivalent as soon as possible. The CQM course will be offered periodically by the USACE Afghanistan Engineer District (AES or AEN). Additional approved CQM courses include those offered by the Commercial Technical Training Center (in Jalalabad) and the Champion Technical Training Center (in Kabul). The Quality Assurance Branch of the AES can provide information related to AES offerings of the CQM course, as well as contact information for training centers. Alternative CQM courses, other than those mentioned above, must be approved by the Quality Assurance Branch.

The Contractor's quality control plan, as defined in USACE Guide Specification 01451, entitled "Contractor Quality Control", shall include "The name, qualifications (in resume format), duties, responsibilities, and authorities of each person assigned a CQC function." For the QC Manager, qualifications must include a certificate demonstrating completion of an approved CQM course.

1.4 SUBMITTALS REQUIREMENTS

Submittals and a Submittal Register are required as specified in Section 01335 of the Basic Contract. See the Technical Specifications for submittal register.

1.5 COST ESTIMATE REQUIREMENTS

The Contractor shall prepare a parametric construction cost estimate for AES data collection purposes. The Contractor shall prepare a thorough, well-supported, estimate reflecting the final design features, construction schedule, conditions, and any construction prioritizing requirements. The cost estimate shall be submitted as part of the 100% design submittal.

2. SUMMARY OF WORK

All Arch-Span type facilities shall be constructed following the standard construction drawings identified in Appendix A. Other facilities shall be constructed in accordance with the drawings provided in Appendix A as applicable. All design and construction shall follow the requirements stated in Section 01015 - Technical Requirements. In case of any discrepancy between Section 01010 and Section 01015, Section 01010 takes precedence. The USACE Contracting Officer's Representative shall be notified immediately of any inconsistencies discovered in this IFB.

All work including data collection, design, construction, equipment purchase, equipment installation, studies, and surveys as described in this Section 01010 of the IFB shall be accomplished by the Contractor unless otherwise stated.

2.1 GENERAL

2.1.1 MOBILIZATION / DEMOBILIZATION

Mobilization and Demobilization shall consist of all labor, equipment, supplies and facilities required to stage all equipment and facilities needed for construction of this project. See Contract Clauses for more information. See Section 1060 for further information concerning the Mobilization Area.

The Contractor shall install temporary access points and roads, temporary parking, construction lay-down areas, and foot paths with compacted base, appropriately graded for drainage, and cover with a well

graded crushed stone aggregate surface capable of withstanding the anticipated construction traffic. At a minimum, the Contractor shall place 50 mm of crushed, well-graded, and compacted aggregate over areas to be used for drainage, pedestrian circulation (not including foot paths), and/or dust control.

Portable latrines: During construction, the Contractor shall furnish and install portable latrine units in locations as required. Portable latrines shall be a mix of western and eastern style units. Mix shall be determined by Contracting Officer. The Contractor shall provide services to remove and dispose of waste water from the portable latrines and lavatories.

Portable lavatories: During construction, the Contractor shall furnish and install handwash units in locations as required. Handwash units shall each include four (4) wash units. Each wash unit shall consist of a basin, foot controlled wash water dispenser, hand soap dispenser, and towel dispenser.

The Contractor shall be responsible to provide services to remove and dispose of waste water from the portable latrines and lavatories.

Mobilization/Demobilization shall have a unit measurement of lump sum under bid item, Mobilization/Demobilization, of the Bid Schedule (Section 00010).

2.1.2 SECURITY

Security is critical to construction in Afghanistan, especially on roads and remote areas away from Coalition Force bases. The Contractor must have an appropriate amount of security/protection to match the threat in the project area and along the supply routes. A detailed security plan in accordance with Section 01040 SECURITY shall be approved by the Government before construction notice to proceed.

The Contractor shall be responsible for physical security of all materials, supplies, and equipment of every description, including property which may be Government-furnished or owned, for all areas occupied jointly by the Contractor and the Government, as well as for all work performed.

Security shall have a unit of measure lump sum under bid items, Security, of the Bid Schedule (Section 00010).

2.1.3 UNEXPLODED ORDINANCE (UXO)/ MINES REMOVAL & CLEARANCE

Contractor is responsible for initial clearance/removal.

The contractor shall search for, identify and clear all mines and unexploded ordnance (UXO) for the locations within the project ROW/limit of work which do not have demining certificates.

The contractor may only provide clearance/removal services via UN Mine Action Center for Afghanistan (UNMACA) accredited entities, and clearance shall be accomplished to the anticipated foundation depth as indicated in the contract. If sub-surface construction activities are to be performed on this site the minimum clearance depth will be one meter. Sub-surface clearance for construction activities in excess of one meter as defined by the contract parameters will also be the responsibility of the contractor. Clearance by definition is an investigation and clearance of all sub-surface metallic anomalies on the site. Clearance/removal may only be undertaken in accordance with International Mine Action Standards (IMAS), Afghanistan Mine Action Standards (AMAS), and applicable U.S. Army Corps of Engineer (USACE) Ordnance & Explosives (OE) safety standards. When mines and/or UXO's are identified, the Contractor shall place them in a location in accordance with IMAS/AMAS/USACE until destruction of the items can take place. Construction work shall not occur inside the safety exclusion zone based on the most probable munitions (MPM) expected on the site. Construction will not commence in any area that has not been cleared to the specified depth.

The contractor will provide a standard UXO/Demining safety work plan to the US Army Corps of Engineers UXO / Demining COR for review prior to commencement of all UXO clearance / demining activities on the project sites. Once the UXO/ Demining clearance has concluded, the contractor shall provide the US Army Corps of Engineers UXO / Demining COR a clearance certificate for review and approval before any construction activities are to commence.

NOTE 1: The USACE does not need written clearance certificate approval from the UNMACA to approve the construction start activities. However, the contractor is responsible for providing a copy of the clearance certificate to the UNMACA for entry into their country wide database. A final signed copy of the UNMACE certificate must then be provided to the USACE UXO/Demining COR.

It is the responsibility of the Contractor to be aware of the risk of encountering UXO/mines and to take all actions necessary to assure a safe work area to perform the requirements of this contract. The Contractor assumes the risk of any and all personal injury, property damage or other liability arising out of or resulting from any Contractor action taken hereunder. The Contractor and its subcontractors may not handle, work with, move, transport, render safe, or disarm any UXO/mine, unless they have appropriate accreditations under the IMAS/AMAS from the UNMACA.

If a UXO/mine is encountered after a UNMACA-approved clearance certificate is provided to the Government, UXO/mine disposal shall be handled in accordance with Section 01015, Technical Requirements.

NOTE 2: Point of Contact for UXO/Demining Safety Work Plan review and approval shall be directed to the US Army Corps of Engineers Demining Safety/COR:

UXO Safety/ Demining COR, USACE

tan.uxo.demining.safety@usace.army.mil, Roshan: 079-403-1452 Comm:540-723-6129

UXO/Mines Removal & Clearance shall have a unit of measure of lump sum and paid for under bid item, UXO/Mines Removal & Clearance, of the Bid Schedule (Section 00010).

3. DESIGN PROGRAM

3.1 SITE SURVEY / EXISTING CONDITIONS MAP

The site survey and existing conditions map shall consist of all labor, equipment and supplies necessary to produce the topographical data in accordance with the requirements specified in Sections 01015 and 01335.

Site Survey and Existing Conditions Map shall have a unit of measure lump sum under bid item, Site Survey/Existing Conditions Map, of the Bid Schedule (Section 00010).

3.2 MASTER PLANNING AND ENGINEERING

The Contractor shall design all other buildings, site improvements, utilities, and facilities that are not included in the Standard Drawings in Appendix A. All drawings shall be submitted in accordance with the requirements specified in Section 01335 and 01780A.

Master Planning and Engineering shall have a unit measure of lump sum under bid item, Master Planning and Engineering, of the Bid Schedule (Section 00010). This shall also include payment for all required items as stated in paragraph 3.2.1, Master Planning, and paragraph 3.2.2, Foundation Engineering.

3.2.1 MASTER PLANNING

The Concept Plan attached in the Appendix is for conceptual purposes only and does not constitute a design. The Contractor shall prepare a site Master Plan based on information contained in this Invitation for Bid (IFB). The Contractor shall submit the site Master Plan for review within 10% design submittal. The Contractor shall participate in a Master Plan design charrette that shall be conducted at the Corps of Engineers Kandahar Area Office at Kandahar Airfield if deemed necessary. If necessary, the Contractor shall modify and implement changes to the Master Plan based on the information gathered during the design charrette process. The final site Master Plan shall be developed by the Contractor and shall include all buildings, facilities and features that must be coordinated with the requirements of this contract.

Current site conditions are only partially indicated in the Concept Plan. The Contractor is responsible to identify all buildings, facilities and site features by construction priority following the Construction Priorities Schedule, Table 7-1.

The Contractor must verify all space requirements and code compliance in accordance with Section 01010 and Section 01015 of this contract. The Master Plan shall be site-specific and it shall include the location of all temporary structures such as the construction office/storage containers and lay-down and construction debris removal areas. The Contractor shall indicate all other site features on the Master Plan regardless of whether they are indicated on the Government supplied Concept Plan or not. The Contractor shall include all information pertinent to this project into the Master Plan to achieve a complete design in accordance with the requirements of this contract.

3.2.2 FOUNDATION ENGINEERING

Foundations, including sub-grade, are based on an assumed soil bearing value for standard building designs. The Contractor shall design and construct foundations for all bid items requiring foundation work based on recommendations from the geotechnical investigation, as described in paragraph 3.3, Geotechnical Investigation.

3.3 GEOTECHNICAL INVESTIGATION

Existing geotechnical information is not available at the project site. Any site-specific geotechnical data required to develop/confirm foundations, fill at elevated slabs, materials, earthwork, roads, and other geotechnical related design and construction activities for this project shall be the Contractor's responsibility.

The geotechnical report shall contain the results of a geotechnical investigation conducted in accordance with the requirements specified in Section 01015. All labor, equipment and supplies necessary to conduct a geotechnical investigation shall be considered a part of the geotechnical report.

The Geotechnical Investigation shall have a unit of measure lump sum and be paid for under bid item, Geotechnical Investigation, of the Bid Schedule (Section 00010).

3.4 AS-BUILT DRAWINGS REQUIREMENTS

The Contractor shall provide the government with complete As-built drawings at the conclusion of the project. As-built drawings shall consist of all labor, equipment, and all supplies needed to produce design records, documents and drawings in accordance with the requirements specified in Section 01335 and 01780A.

The As-built Drawings shall have a unit of measure lump sum under bid item, As-Built drawings, of the Bid Schedule (Section 00010).

4. SITE DEVELOPMENT/IMPROVEMENTS

4.1 DEMOLITION

The Contractor shall remove and dispose of all debris, trash, concrete, unused fences, buildings, existing utilities above or below ground, fuel tanks, HESCO baskets, and foundations. All debris shall be disposed of off the Tarin Kowt base and boundary. The Contractor shall be responsible for locating and paying all fees associated with removal and relocation of all debris off the installation and shall verify the location of debris disposal with the Contracting Officer. Scrap metal and conex on site shall be moved to an area away from the site perimeter as directed by the COR and left for the host government to salvage. Demolished fencing and concertina wire shall be neatly rolled up and used fence posts and outriggers shall be neatly stockpiled for reuse by the host government

All demolition requirements shall be determined by the Contractor and all bidders will be afforded the opportunity to visit the site prior to bid deadline.

The Demolition shall have a unit of measure lump sum under bid item, Demolition, of the Bid Schedule (Section 00010).

4.2 SITE GRADING AND STORMWATER MANAGEMENT (SWM)

The Contractor shall design and construct all site grading and stormwater management features. Site grading and SWM features shall conform to the requirements and references specified herein for development of the facility. The Contractor shall design and submit a Site Grading and SWM Plan showing the location of all required drainage structures.

The Grading and SWM Plan shall indicate the existing and proposed contour lines, the location of drainage structures and the direction of flow. Spot elevations shall be indicated at the beginning and the end of all drainage structures and inflexion points and they shall be spaced every 25 m along the alignment. Proposed contour lines shall meet with existing contour lines on the Grading and Drainage Plan. The Grading and SWM Plan shall be at a scale that all lines and structures can be easily seen and ascertained.

The Contractor shall be aware that the northeast corner and southern limit of work shall require a large amount of excavation to accommodate the footprint of the Garrison and shall bid accordingly. All excavation quantities are to be determined by the Contractor.

Culverts at perimeter wall penetrations shall have personnel access denial system(s).

The walls of all new earthen storm drainage (including canals, trenches, ditches, swales, etc) shall not have a slope greater than 1 Vertical to 3 Horizontal without a stone and mortar finish or concrete lining to prevent erosion.

Native crushed stone 100 mm thick shall be placed around all buildings, from the building wall or building landscaping out 2.0 m and all areas of anticipated foot or vehicle traffic to reduce erosion and to provide dust control.

The Site grading and SWM shall have a unit of measure lump sum under bid item, Site Grading and SWM, of the Bid Schedule (Section 00010).

4.3 WATER SYSTEM

SYSTEM OVERVIEW: The Contractor shall design and construct a potable water system for a population of 4,700 in accordance with the AED Design Requirements, latest version. See Section 01015 for design and construction criteria. Water requirements for fire fighting, irrigation and landscaping shall not be included in design demand calculations.

Water system shall include water well(s), well pump(s), disinfection station(s), well / pump house(s), water tank(s), booster pumps, hydro pneumatic surge tank(s), booster pump building(s) and underground pipe distribution system with service connections to all buildings and features requiring water supply. The Contractor shall install totalizing flow meters between the water well and storage tanks and between the storage tanks and the distribution system.

BACKUP POWER: The Contractor shall design and construct a backup power generator system for the water system booster pump station and well house which is independent of the garrison power plant. The Contractor shall ensure that the backup power generator system will accommodate the facility's power requirements. The backup power generator system shall provide fuel storage for the generator(s) with a capacity of 48 hours of continuous generator run time along with an electrical distribution system to the facility. The backup generator(s), fuel storage, and distribution system shall be furnished by the Contractor. To prevent vandalism and theft, the generator(s) shall be securely protected inside a separate CMU building, with the fuel storage immediately outside the building, and the building and fuel storage shall be surrounded by a fence and single lockable man-gate.

FENCES: Surrounding the water well(s), tank(s), backup generator system and well / booster pump building(s) shall be 3 m high chain link security fences with Y-channel and triple strand concertina wire with one (1) lockable personnel gate for the backup generator building and one (1) lockable double swing

arm gate and one (1) personnel gate for the well and pump house building. The fencing shall be offset 3 m from the exterior walls of the buildings. Construct the fencing and gates per the Fencing Details provided in Appendix A.

WELL: The Contractor shall locate a well site and drill to a minimum of 100 meters and a maximum of 150 meters below ground surface. Water shall be tested and be accepted for World Health Organization quality standards for human consumption.

WELL HOUSE, BOOSTER PUMP BUILDING & STORAGE BUILDING: The Contractor shall design and construct one (1) CMU Well House Building and one (1) CMU Booster Pump Building per the standard drawings in Appendix A and one (1) 35 m² CMU Storage Building per Section 01015, to house the disinfection system and chemical storage. Exterior lights shall be installed, either mounted to the side of the building or on poles. Pole Light detail is included in Appendix A for reference. The Contractor shall refer to the Concept Site Plan for the location of these buildings in relationship to other buildings and facilities on site.

STORAGE TANK(S): Contractor shall design and construct circular steel or circular concrete ground level storage tank(s) (GSTs) located near the water well(s). Ground level water tanks shall be constructed near the water well(s) with a minimum capacity of 3,278,250 liters. Booster pumps with hydro pneumatic tanks shall provide necessary water pressure through the system.

Storage tank(s) and piping shall be constructed and heated to prevent freezing of the tank and pipes entering the tank. A system of heat wrapped tape and exterior tank insulation is not considered a feasible permanent insulation system as it does not conform to life expectancy of twenty (20) years. The storage facility shall be located above drainage areas and locations subject to flooding as approved by the Contracting Officer or his representative. The storage facility shall be located on the higher elevations of the site to promote gravity flow and reduce pumping requirements. Overflow and air vents shall be screened so that birds, insects, rodents and debris cannot enter the reservoir. The Contractor shall provide pipe of adequate strength, durability and be corrosion resistant with no adverse effect on water quality. The exterior surface of the pipe must be corrosion resistant. Exterior area lights shall be installed, either mounted to the side of the building.

DISTRIBUTION: Distribution system shall include all required piping, valves, fittings, and appurtenances required to serve water to all facilities requiring it. Water system must be fully looped.

The Water System shall have a unit of measure lump sum under bid item, Water System, of the Bid Schedule (Section 00010).

4.4 WASTEWATER TREATMENT PLANT, WASTE WATER COLLECTION SYSTEM, AND WASTEWATER TREATMENT PLANT OUTFALL.

The Contractor shall design and construct a sanitary sewer collection system, wastewater treatment plant, and wastewater treatment plant outfall. The sanitary sewer collection system shall consist of gravity sewer pipe and appurtenances such as manholes, cleanouts, building service connections, and lift stations (if necessary).

The gravity sewer collection system shall connect to the wastewater treatment plant to the location shown on the Concept Plan in Appendix A. The Contractor shall provide the sewer connection from the Garrison to the WWTP either by gravity or force main within the ROW as shown in the Sewer Main Concept Plan in Appendix A.

The wastewater treatment plant (WWTP) shall be a partial mix aeration lagoon system that has features including but not limited to a lift/pump station (if necessary), headworks, aeration pond, settling pond, sludge drying lagoons, and chlorine contact tank. Also, support building(s) shall be designed and constructed for a lab/office/storage. The capacity of the wastewater treatment plant shall be 930,000 liters per day. Refer to the Site Concept Plan attached in the Appendix A for the general location of the WWTP. The waste water treatment lagoon system shall be designed and constructed such that the system shall not be flooded by a 25-year storm event and shall include considerations for potential flooding events originating upstream.

The Contractor shall design and construct an approximately 14 m² chemical feed/storage building as part of the waste water treatment plant. The chemical feed/storage building shall contain all hypochlorite system components and space for chemical storage. The chemical feed/storage building shall be adequately ventilated to prevent accumulation of chemical off gases. The Contractor shall provide a hose bib in the building and floor drain. The Contractor shall provide lighting per Section 01015. The proposed construction of the facility shall be concrete structural frame with CMU infill. The exterior finish shall be exterior stucco per Section 01015. Interior Construction: Interior surface of exterior walls will be painted plaster. No painted plywood or other wood panel product shall be used. Metal roofing on overbuilt structure shall be used. The slope of the roof to be a minimum of 2V:10H. The exterior door and frame shall be galvanized with factory applied finish.

The wastewater treatment plant shall be surrounded with a 3 m high chain link security fence with Y-channel and triple strand concertina wire with one (1) lockable personnel gate and two (2) lockable double swing arm gates. The fencing shall be offset a minimum of 8 m from the exterior walls of buildings and other wastewater treatment plant facilities. Construct the fencing and gates per the Fencing Details provided in the Appendix.

Provide five (5) aggregate surfaced vehicle parking spaces. Provide aggregate surfaced driveways and driving lanes as necessary.

Waste Water Collection System: The Contractor shall design and construct a gravity or force main sanitary sewer collection system and shall be sized based on a hydraulic waste load that is equivalent to two times the Average Daily Flow (ADF) and maximum velocity for the particular pipe OR fixture unit flow OR minimum pipe diameter as dictated in Section 01015, whichever is greater.

WWTP Outfall: The Contractor shall design and construct a gravity or force main outfall pipe from the waste water treatment lagoon system to drainage ditch at the location shown on the Concept Plan in the Appendix A. The Contractor shall design the outfall pipe to adequately flow 930,000 liters per day accounting for peak flows. The outfall pipe shall be reinforced concrete pipe and designed for HS-20 loading. As part of this bid item, the Contractor shall be required to extend the existing concrete ditch to the discharge point of the WWTP outfall. The Contractor shall design and construct the extension of the concrete ditch to the same dimensions and thickness as the existing concrete ditch. The slope of the extended concrete ditch shall follow the slope of the existing earthen ditch to the WWTP outfall discharge point.

The WWTP, Waste Water Collection System, and Waste Water Treatment plant outfall shall have a unit of measure lump sum under bid item; WWTP, Waste Water Collection System, and Waste Water Treatment Plant Outfall, of the Bid Schedule (Section 00010).

4.5 POWER GENERATORS

Generation shall be supplied by six (6) individual 1.0 megawatt generators supplied by the Contractor and the Contractor shall be responsible for installation. The 1000kW generator ratings are net capacities after de-rating for fuel type, temperature, and elevation. All other equipment necessary for installation and operation of the generators shall be supplied and constructed by the Contractor. The Contractor shall provided a synchronizer switch, so that when the total power demanded from one generator reaches 90 percent of the generator's maximum, an additional generator shall automatically start and supplement the running generator(s). Generators shall be programmed to run equally. The power plant must be designed and constructed to accommodate two (2) additional generators for future expansion.

Generator Requirements:

1. Generator set must be new.
2. Generator set must comply with EGSA 101P or IEC 60034-22.
3. Generator set must be complete and ready to operate, to include batteries, oil, coolant, and any other item necessary to operate immediately after receiving, with exception to fuel.

4. Generator sets will have a duty rating of "**Prime**" and not "Standby." Commercial manufacturer specification sheets provided must state the "**Prime**" kW rating.
5. Generator sets should be able to run on JP8 fuel oil with no degradation to generator sets over the lifetime vs. other fuel types. If the generators are de-rated due to the use of JP8 fuel oil, then that de-rated kW value should be within the kW size listed in the 01010 Section. Each proposed generator will be evaluated with the manufacturer's recommended degradation scale for optional fuels, if required, as part of the technical evaluation. Contractors should be aware of this and offer only sizes within the kW listed in this 01010 Section with applicable degradation applied as recommended by the manufacturer.
6. Generator set must be factory tested in the enclosure that will be delivered to the site, and the unit must be tested for full prime load capacity using 50 degree Celsius air for cooling and JP8 fuel. Unit shall meet predicted output other than for elevation, if the elevation testing is below 5,000 feet. Testing must be witnessed by a representative of the Government for quality assurance and assurance of proper testing methodology.
7. Generator sets must be **230/400 VAC** and able to operate at **50 Hz**. Generator sets must include a main circuit breaker that provides over-current protection sized appropriately for the rated output of the generator (230/400 Volts, 50 Hz). This main circuit breaker will also serve as the means of disconnect between the load and the generator. Generator sets must arrive configured to 230/400 VAC, three-phase, 50 Hz and the load circuit breaker must be rated accordingly.
8. Generator sets radiator cooling systems must be rated to operate at high altitudes that are common in Afghanistan. Design elevation is 5,000 ft. They must be rated to operate at ambient conditions from (minus) -10 degrees Celsius and up to (plus) 50 degrees Celsius.
9. Generator sets control panels must have automatic shut off for high water temperature, low oil pressure, over speed, and low coolant level. Associated data must be provided in the manufacturer specification data sheets.
10. Generator sets must be in an outdoor enclosure that is capable of new sound attenuation, is fully enclosed, weatherproof, and accessible. The radiator cooling systems ability to operate must be maintained at conditions of up to 50 degrees Celsius. Level of sound attenuation should not exceed an NC level of 60 DB at 60 feet.
11. Generator sets should have a 24VDC engine driven alternator for a battery charger that operates at 230 VAC 50Hz.
12. Generator set should have a block heater that operates at 230 VAC 50 Hz.
13. Generator set should have stack, muffler, and vertical termination. Provide 10 feet of stack material. Stack height shall be field adjustable. Muffler should be mounted vertically, as close to the body of the generator as allowed by the manufacturer.
14. Generator set should have double air filtration for combustion air.
15. Generator set must come with a complete set of manuals to include parts manual and service manual and/or electronic files (CD). Units can be shipped fully assembled in the enclosure; otherwise, provide graphic assembly instructions suitable for installer with low or no English language. The instructions should be specific to the unit and contain a comprehensive parts list.
16. Fuel Tank/Cell: Generator sets must have a double contained day tank/cell as part of the sub-base of the generator skid. The fuel tank/cell should be able to sustain 8 hours at 100% FULL LOAD without the use of an external fuel system. The day tank/ fuel system shall be constructed in a manner that will contain fuel without spillage in the event the day tank fill valve does not close. See attached diagram for alternative construction.
17. Push Package 1 (Routine Maintenance): Provide with each generator the following spare parts. Push Package 1 must be delivered as a group for each generator.

20 each Air Filter Elements
20 each Oil Filter Elements
20 each Fuel Filter Elements

2 each Fan Belts
1 set Radiator Hoses
1 each set Rocker Cover Gaskets
1 each Thermostat Kit
1 set Fuel System Hoses

Push Package 2 (Unscheduled Repair): For each size of unit delivered to a job site, the following parts must be provided. (For instance, if six (6) 1000 kVA units are delivered to a single site and two (2) 500kVA units are delivered to the same site, one package of the parts would be provided for each size.) Additionally, the parts need to be packaged in a separate bundle for each model so it is clear which parts go with which model generator. Each bundle shall include the maintenance and operation manual for the generator model the bundle pertains to.

1 each automatic voltage regulator (AVR) board
1 each 24 VDC battery charging alternator
1 each water pump kit
1 each upper engine gasket (Joint) kit
1 each lower engine gasket (Joint) kit
1 each joint head gasket
1 each starter motor
1 each oil pump
1 each turbocharger

18. Proposals must include shop drawing submittals for the product and will be reviewed prior to order. Shop drawings shall come complete with all dimensional and performance data, including recommended spacing of the installed units for multiple unit installation. Note any deviations from the criteria above as well as from the enclosed specifications so that deviations may be resolved prior to order.
19. Provide Authorized Manufacturer Technical Representative to provide oversight of the installation, start-up, testing, commissioning, and training on delivery site. Representative is also to certify installation and validate warranty.

The Power Generators shall have a unit of measure each under bid item, Power Generators, of the Bid Schedule (Section 00010).

4.6 POWER PLANT, FUEL STORAGE, AND ELECTRICAL DISTRIBUTION SYSTEM

Prime Power Plant: Design and construct one (1) outdoor central power plant for power supply to all facilities requiring power on the garrison. The Contractor shall provide a concrete slab and metal canopy sized to contain the required generators and their associated switchgear, equipment, and all appurtenances necessary to meet all power requirements. All materials, finishes, and equipment shall comply with the requirements of Section 01015.

The power plant must be designed and constructed to accommodate two (2) additional generators for future expansion.

Generator Pads and Fuel Storage: Design and construct a suitable generator pad with secondary containment for the generators. The generator pad shall have vibration isolators and the capability to dampen vibration to the surrounding ground through the use of foam plastic and sand. Install the generators with connections to the fuel supply tank(s), complete transmission/distribution system, transformers, panels, black start generator, and all other required appurtenances for a basic, fully operational system. Switchgear and control panels must be designed to accept the future expansion for two (2) additional generators.

Provide fuel storage for a 30 day supply. Fuel storage shall have secondary containment with a sump and drain with valve(s) for draining rainwater. The fuel storage area must be designed to accommodate

two (2) additional tanks for future expansion at the power generation facility. **Fuel for commissioning and testing shall be provided by the Contractor. Also, the Contractor shall provide fuel tanks that are completely full at the time of turnover to the Government.**

The power plant and fuel storage shall be enclosed within a compound with aggregate surfaced vehicle roadway and maneuver area. The compound shall be surrounded with a 3 m high chain link fence with Y-channel and triple strand concertina wire with two (2) lockable double swing arm vehicle gates and one (1) lockable personnel gate. Construct the fencing and gates per the Fencing Details provided in the Appendix.

Electrical Distribution System: The Contractor shall design and construct an underground electrical distribution system. The new electrical distribution system shall be underground. The electrical distribution system shall provide electricity to all facilities on the garrison including the WWTP. All electrical design and installation shall meet BSI requirements. All wiring shall be run and pulled through conduits. Electrical receptacles shall be provided as indicated. Conductors and circuits shall be sized for the specific design loads. Primary voltage (generator voltage) shall be 15kV, 50Hz. Secondary voltage shall be 220/380V, 50Hz.

The Power Plant, Fuel Storage, and Electrical Distribution System shall have a unit of measure lump sum under bid item, Site Power & Electrical Distribution System, of the Bid Schedule (Section 00010).

4.7 DUCT-BANK INSTALLATION

The Contractor shall design and construct a duct-bank of twelve (12) 101.6mm SCH80 PVC conduits, concrete encased, for future use as indicated on the Concept Plans labeled, "Duct Bank Concept Plan", in the Appendix A.

The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site. All materials, finishes, and equipment shall comply with the requirements of Section 01015.

The Duct-Bank Installation shall have a unit of measure per lump sum under bid item, Duct-Bank Installation, of the Bid Schedule (Section 00010).

4.8 ROAD NETWORK

The Contractor shall design and construct the entire asphalt road network based on the analysis of the Contractor's geotechnical investigation.

The road layout shall provide ease of access to entrance points, buildings, loading ramps and docks, vehicle maintenance facilities, fuel points, trash collection points, convoy assembly area, and etc. Drainage ditches shall be constructed on both sides of the roadways.

All roads shall be 7.3m wide (3.65m per lane) asphalt surface paving, with the exception of the perimeter road. Refer to paragraph 5.2 for the requirements of the perimeter road.

The Contractor shall provide design drawings showing detailed cross sections and road structure to comply with the Technical Requirements, Section 01015.

The Road Network shall have a unit of measure lump sum under bid item, Road Network, of the Bid Schedule (Section 00010).

4.9 PARKING AREAS

Provide aggregate parking to individual facilities based on the concept site plan and on the parking requirements for each facility. The Troop Medical Center is required to have a minimum of 8 parking spaces and shall not inhibit access and egress of emergency vehicles.

Parking adjacent to roadways shall have drainage culverts passing underneath. Parking spaces and geometry shall be shown on the site plan.

The Parking Areas shall have a unit of measure lump sum under bid item, Parking Areas, of the Bid Schedule (Section 00010).

4.10 CONVOY ASSEMBLY AREA

The Contractor shall design and construct one (1) asphalt paved Convoy Assembly Area with dimensions of 100m long x 8m wide, and extending along the main road and in the vicinity of the primary ECP, refer to Concept Plan in Appendix A. The primary ECP shall be constructed by others. The assembly area shall accommodate three (3) parallel sets of vehicles parked in formation ready for exiting the Garrison.

The Convoy Assembly Area shall have a unit of measure lump sum under bid item, Convoy Assembly Area, of the Bid Schedule (Section 00010).

4.11 CONCRETE SIDEWALKS / FIRELANES

The Contractor shall design and construct 1.5 m wide concrete sidewalks. The concrete sidewalks shall be required to connect all buildings, facilities, and features such as offices, classrooms, billeting, etc. Sidewalks shall be appropriately graded for drainage. Sidewalks shall be shown on the Master Site Plan and a detail of the sidewalks shall be provided in the design drawings.

The Contractor shall design and construct fire lanes on a minimum of three (3) sides of all buildings. Fire lanes shall be a minimum of three (3) meters wide and paved with a minimum of 100 mm of aggregate paving. Sidewalks may be used as fire lanes if the sidewalk is a minimum of 3 m wide.

The Concrete Sidewalks/Firelanes shall have a unit of measure lump sum under bid item, Concrete Sidewalks/Firelanes, of the Bid Schedule (Section 00010).

4.12 MOTOR POOL AREAS

Design and construct Motor Pool Areas in coordination with the facilities required in this IFB. There shall be five (5) Motor Pool areas, varying in sizes and number of facilities contained within each area, as indicated in the Concept Plan attached in Appendix A. The size of the motor pools shall be as shown on the Concept Plan provided in Appendix A.

Each Motor Pool Area shall be enclosed by a 3.0 m high chain link fence with Y-channel and triple strand concertina wire and two (2) lockable double swing arm vehicle gates and two (2) lockable personnel gates. The grade shall slope away from the fence for at least 5 meters and shall be kept a minimum of 3.0 m below the top of the fence for a distance of 10 m. The Contractor shall construct the fence and gates per the standard design drawings attached in Appendix A.

All motor pools shall be designed and constructed with 150 mm thick of aggregate surface. Allow adequate vehicle maneuver space to access all parking and facilities.

Exterior pole-mounted lighting along the fence line shall be provided to provide illumination for night-time operations and safe movement of vehicles within the motor pool compound.

The Motor Pool Areas shall have a unit of measure lump sum under bid item, Motor Pool Areas, of the Bid Schedule (Section 00010).

4.13 SITE COMMUNICATION SYSTEM

The Contractor shall design, provide, and install the exterior and interior communications infrastructure. The exterior communications infrastructure shall provide a looped communication system for perimeter security functions. The communications duct bank shall run to all buildings to include guard towers, guard shacks, ECPs, and back to the central Communications Room located in Tactical Operations Building. Note that the primary ECP with guard shack, and guard towers, with the exception of the guard towers in the vicinity of the WWTP, shall be constructed by others and it shall be the Contractors

responsibility to coordinate with the other contractor to complete the communication system. Guard towers located at the WWTP shall have a communication duct bank from the guard tower to the end of the access road at a manhole for tie-in by others.

The interior communications infrastructure shall provide a pathway to all communications outlets and head-end equipment located in the building. Communications head-end equipment, cabling, RJ45 jacks, and faceplates shall be provided by others. The design and construction of the systems shall be in accordance with the references and the requirements contained herein and in Section 01015.

The Site Communication System shall have a unit of measure lump sum under bid item, Site Communication System, of the Bid Schedule (Section 00010). This shall also include payment for all required items as stated in paragraphs, Loudspeaker and Alarm System.

4.13.1 LOUD SPEAKER AND ALARM SYSTEM

The Contractor shall install a Loud Speaker & Alarm System that can alert the entire compound via panic button from any tower or guard post station. The speaker and alarm system shall be exterior grade components to withstand severe weather conditions of cold, heat, rain, sleet, and dust storms and shall be completely understandable during these conditions from any point within the compound. All wires shall be installed in conduits. Note that the primary ECP and guard towers shall be constructed by others and the Contractor shall be responsible for coordinate with the other contractor to complete this work. Guard towers located at the WWTP shall not require a load speaker and alarm system.

4.14 VEHICLE WASH RACK

The Contractor shall design and construct an elevated concrete pad vehicle Wash Racks to accommodate 2 vehicles, as indicated on the Concept Plan. For information only, refer to the Vehicle Wash Racks drawing attached in Appendix A. The Contractor shall refer to Section 01015 for technical requirements.

The Vehicle Wash Racks shall be provided with water service by a pressure pump connected to the nearest water source. Provide broom finish texture concrete pad and elevate with appropriate slope for drainage run-off to a trench drain. Extend drainpipes from trench drain away from the wash stations, with grit chambers, an oil/water separator, and clean outs, and tie into the storm drainage system.

The wash rack area shall be surfaced with 150 mm thick aggregate.

The Vehicle Wash Rack shall have a unit of measure lump sum under bid item, Vehicle Wash Rack, of the Bid Schedule (Section 00010).

4.15 VEHICLE REFUELING POINT

The Contractor shall design and construct a Vehicle Refueling Point, including Dispensers and Dispenser Islands and with a fuel tank capacity as follows: 38,000 liters (10,000 gal) of Diesel and 10,000 liters (2,600 gal) of MOGAS. **The Contractor shall provide a full supply of fuel to the tanks at the time of turnover to the Government.** For reference only, the Contractor shall refer to the Fuel Storage and Vehicle Refueling Point drawings attached in Appendix A and according to requirements of Section 01015.

The Contractor shall provide gravel maneuver areas for the dispensers and area for fuel truck deliveries. The Contractor shall grade and level the parking area to match the adjacent existing with appropriate slope and drainage to tie into the storm drainage system.

The Contractor shall provide a 200 mm diameter by 1,000 mm high concrete-filled steel bollards around the new pumps to prevent damage from vehicles. Around the fuel pumps and dispensers there shall be a concrete hard surface pad. The concrete hard surface pad shall extend for the full length of the dispensing area as shown in the standard drawings. The Contractor is required to provide explosion proof lighting, and fire extinguishers. The Contractor shall provide electrical service to the fuel pumps in accordance with the manufacturer's recommendations and provide area lighting for general illumination of

vehicle fuel dispensing areas. Each refueling point shall have a metal roof canopy per the standard construction drawings attached in the Appendix A.

All new fuel tanks shall be installed above ground to the requirements of Section 01015. The storage tanks shall have adequately protected distribution lines to the vehicle refueling points. The tanks shall be surrounded by concrete T-walls (Alaska barriers) and have a canopy structure to keep precipitation out of the tank pit.

The Vehicle Refueling Point shall include an Operators Building. The contractor shall refer to the paragraph 6.3.3 for the building requirements.

The Vehicle Refueling Point shall have a unit of measure lump sum under bid item, Vehicle Refueling Point, of the Bid Schedule (Section 00010).

4.16 TRASH COLLECTION POINTS

The Contractor shall construct twenty-two (22) Trash Collection Points throughout the Garrison. Place each Trash Collection Point in locations convenient for easy removal. Locate trash points evenly spaced around the property and at each common facilities location. Refer to the drawings titled "Trash Collection Point" in Appendix A for construction requirements for the trash Collection Points.

The Trash Collection Points shall have a unit of measure per each under bid item, Trash Collection Points, of the Bid Schedule (Section 00010).

5. FORCE PROTECTION

The Contractor shall design and construct force protection measures as described below. The designer shall incorporate force protection setbacks for new facilities to maximum extent possible as permitted by size of the site and the requirements of the user.

5.1 PERIMETER FENCE

The Contractor shall construct a chain link fence along the open perimeter of the site. Refer to the Concept Plan for the general location. The Contractor shall follow the standard construction drawings attached in Appendix A.

The height of the chain-link fence shall measure the standard of 3.0 m with 305mm steel concertina wire coils and double swing arm gates. Refer to the Concept Plan in the Appendix for locations of the double swing arm gates.

The Perimeter Fence shall have a unit of measure lump sum under bid item, Perimeter Fence, of the Bid Schedule (Section 00010).

5.2 PERIMETER ROAD

A 6 meter wide 200mm thick gravel perimeter road shall be designed and constructed with a 3 meter stand off from the perimeter fence and at the locations shown at the WWTP, refer to the Concept Plan in the Appendix for the location.

The Perimeter Road shall be Construction Priority 1 as described in paragraph 1.8.

The Perimeter Road shall have a unit of measure lump sum under bid item, Perimeter Road, of the Bid Schedule (Section 00010).

5.3 SECONDARY ENTRY CONTROL POINT (ECP)

The Contractor shall construct one (1) secondary ECP that shall include an asphalt paved entrance, manually operated sliding steel gate, guard Shack, vehicle drop arm barriers, and passive anti-vehicle barriers as shown in Appendix A. For technical requirements see section 01015,

For pedestrian gates use hinged, steel swing arm gates. A locking mechanism shall be provided that holds the gates together when in the closed position as well as a drop bolt that engages a steel sleeve embedded in the pavement.

The Secondary ECP shall have a unit of measure per each under bid item, Secondary Entry Control Point, of the Bid Schedule (Section 00010). This shall also include payment for all required items as stated in paragraph, Guard Shack.

5.3.1 GUARD SHACK

The Contractor shall construct a one (1) Guard Shack that shall be associated with the Secondary Entry Control Point.

Areas in the immediate outside vicinity of guard shack shall be lighted and provided with an all-weather, non-slip surface and shall be graded to sufficiently drain away from building and pedestrian areas. 2-way communications with all Guard Towers and Main ECP shall be provided. Category 5e dual RJ-45 outlets for voice and data and duplex receptacles shall be provided.

For other details follow the standard construction drawings in the Appendix A, and Section 01015.

5.4 PERSONNEL BUNKERS

The Contractor shall construct one hundred (100) Personnel Bunkers. The contractor shall verify all standards for size and quantities and place bunkers for optimal locations on the site plan in relationship to personnel requirements. The Contractor shall follow standard construction drawings attached in the Appendix A.

The personnel Bunkers shall have a unit of measure per each under bid item, Personnel Bunkers, of the Bid Schedule (Section 00010).

5.5 PERIMETER WALL

The Contractor shall construct the perimeter wall at the WWTP in accordance to Section 1015. Refer to the Concept Plan for the general location. The Contractor shall follow the standard construction drawings attached in Appendix A.

The height of the walls shall measure the standard of 3.0 m from the inside and outside grades to the top of the concrete wall cap. At the connection between new and existing wall, the Contractor shall match the height of the existing wall. The wall shall be topped with Y shaped outriggers and single-coil concertina style razor wire. The ground grade shall slope away from the wall for at least 5.0 m and shall be kept a minimum of 3.0 m below the top of wall for a minimum distance of 10 m.

The wall shall be designed to keep all pedestrian and truck traffic outside the compound from having a visual line of site into the compound.

The Perimeter Wall shall have a unit of measure lump sum under bid item, Perimeter Wall, of the Bid Schedule (Section 00010).

5.6 GUARD TOWERS

The Contractor shall design and construct two (2) Guard Towers at the WWTP, reference the Concept Site Plan in Appendix A for the Guard Tower locations.

The standard building design, Guard Tower, drawings which are provided in Appendix A, shall be used for the design of the Guard Towers. The Guard Tower Standard Building Design drawings shall be modified to include windows with sliding open/close capability. Also, glazing for the windows shall be 8 mm thick laminated glass (with RPG film). Windows shall not be screened.

Each Guard Tower must have a manually operated 360-degree omni-directional searchlight. The Guard Towers shall be located such that the outside of the perimeter wall/fence can be observed from two sides

of the Guard Tower windows. The design shall provide for illumination of the exterior of the compound by positioning lights to provide overlapping coverage and to avoid illuminating guard positions. White lights shall not be used inside the Guard Towers. Red, blue, or black lenses shall be included for all interior guard tower lighting. The area in the immediate exterior vicinity of the Guard Towers shall be provided with an all weather non-slip surface and shall be graded to sufficiently drain away from the structure.

For full details, follow the standard construction drawings attached in Appendix A and Section 01015, Technical Specifications.

The Guard Towers shall have a unit of measure each under bid item, Guard Towers, of the Bid Schedule (Section 00010).

6. FACILITIES

6.1 GENERAL REQUIREMENTS FOR FACILITIES

All requirements set forth in the Scope of Work (01010), but not included in the Technical Requirements (01015), shall be considered as set forth in both and vice versa.

In general, this project consists of designing and constructing facilities as shown or described in:

- a) this Section,
- b) the Concept Site Plan attached in Appendix A,
- c) Arch-Span type building floor plan designs attached in Appendix A,
- d) Standard Building Designs attached in Appendix A,

All standard construction amenities such as underground utilities, site grading, plumbing, heating, electrical, etc. shall be implied as a design and construction requirement.

All construction of the Standard Building designs identified in Appendix A of this IFB shall be done in strict accordance with the plans and specification furnished, with no changes made to any feature of work shown in these design drawings and specifications, unless otherwise specified.

The Contractor shall match existing on-site architectural materials and colors. All construction shall be done in the same style and paint schemes as existing buildings, respective of sustainable construction and design except as indicated. Construction shall provide for institutional (detention) grade vandal-resistant fixtures and valves in showers, toilets, and lavatories. All toilets shall be eastern style and shall face north or south.

The Contractor shall provide, at all exterior doors at all buildings, concrete stoops with walk-off grates having removable galvanized steel grates and dirt wells. The Contractor shall provide boot scrapers for boot cleaning.

Barracks shall be spaced as far apart from each other as possible given the final site design configuration, as to minimize sound propagation and to increase privacy.

All Arch-Span type materials and equipment shall be standard product of a manufacturer regularly engaged in the manufacture of the product and shall duplicate items that have been in satisfactory use for at least 2 years prior to bid opening. Arch-Span materials shall be Contractor furnished.

All other design work not specifically identified in this IFB shall be the responsibility of the Contractor and it shall be submitted for review in accordance with Section 01335 of this IFB.

6.1.1 LIFE SAFETY

A fire sprinkler system is not required. The Contractor shall equip buildings with wall-mounted 6 kg fire extinguishers with A-B-C rating, at a 1:100 SM density (minimum). Exit signs shall be placed above doors opening to the exterior and labeled in English, Dari, and Pashto. The Contractor shall install hardwired smoke detectors to provide local alarm only. For other requirements, refer to Section 01015.

6.1.2 LIGHTING

Exterior lighting shall be high intensity discharge luminaries on 10 meter high minimum spun aluminum or galvanized steel poles, where stated as required in Section 01010.

6.1.3 HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

The Contractor shall construct all HVAC per the standard drawings in Appendix A, unless otherwise noted. For all buildings to be designed by the Contractor, environmental control of the facilities shall be achieved by natural ventilation, mechanical ventilation, and heating. Cooling shall be provided in only specified rooms of specified buildings. For inside design conditions and air cooling and heating requirements for various spaces, see Section 01015.

6.2 ARCH-SPAN TYPE CONSTRUCTION

6.2.1 STEEL - 300M X 600MM X 1MM

The Contractor shall provide the steel required for the Arch-Span Facilities. The Government estimate for 300M x 600MM x 1MM is 534 rolls.

The Contractor shall not include the cost of the steel in the bid items for each Arch-Span facility but shall include the cost under this bid item.

Steel – 300M x 600MM x 1MM shall have a unit of measure per each under item, Steel – 300M x 600MM x 1MM, of the Bid Schedule (Section 00010).

6.2.1.1 STEEL QUANTITY CONFIRMATION

The Contractor is responsible for confirming the estimate of 534 rolls of 300M x 600MM x 1MM steel required for the project and provide justification for the amount of steel used. Any steel rolls (or the cost of the steel rolls) not used, or steel rolls the contractor cannot provide justification for being used, shall become the property of the Government.

6.2.2 STEEL - 180M X 900 MM X 1.5MM

The Contractor shall provide the steel required for the Arch-Span Facilities. The Government estimate for 300M x 900MM x 1.5MM is 278 rolls.

The Contractor shall not include the cost of the steel in the bid items for each Arch-Span facility but shall include the cost under this bid item.

Steel – 300M x 900MM x 1.5MM shall have a unit of measure per each under item, Steel – 300M x 900MM x 1.5MM, of the Bid Schedule (Section 00010).

6.2.2.1 STEEL QUANTITY CONFIRMATION

The Contractor is responsible for confirming the estimate of 278 rolls of 300M x 900MM x 1.5MM steel required for the project and provide justification for the amount of steel used. Any steel rolls (or the cost of the steel rolls) not used, or steel rolls the contractor cannot provide justification for being used, shall become the property of the Government.

6.2.3 NCO BARRACKS

The NCO Barracks shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “NCO Barracks – Large”.

There shall be a total of four (4) NCO Barracks buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The NCO Barracks shall have a unit of measure per each under item, NCO Barracks, of the Bid Schedule (Section 00010).

6.2.4 ENLISTED BARRACKS

The Enlisted Barracks building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Enlisted Barracks”.

There shall be a total of nine (9) Enlisted Barracks buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Enlisted Barracks shall have a unit of measure per each under bid item, Enlisted Barracks, of the Bid Schedule (Section 00010).

6.2.5 COMBINATION NCO/ENLISTED BARRACKS

The Combination NCO/Enlisted Barracks building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Combo NCO/Enlisted Barracks”.

There shall be a total of four (4) Combination NCO / Enlisted Barracks buildings. The Contractor shall refer to the concept Site Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Combination NCO/Enlisted Barracks shall have a unit of measure per each under bid item, Combo NCO/Enlisted Barracks, of the Bid Schedule (Section 00010).

6.2.6 LARGE LATRINE/LAUNDRY BUILDING

The large Latrine/Laundry Building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Latrine - Large”.

There shall be a total of two (2) Large Latrine/Laundry Buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

All toilets shall be Eastern Style and shall face North–South. Laundry sinks shall be hand-wash type with hose-bibb type faucets. The Contractor shall either rotate the building or change the design to comply with the North-South toilet requirement.

The Contractor shall provide three (3) 5.0 m long Clothesline units at each large Latrine/Laundry Building, following the standard construction drawings attached in the Appendix A.

The Large Latrine/Laundry shall have a unit of measure per each under bid item, Large Latrine/Laundry Building, of the Bid Schedule (Section 00010).

6.2.7 TACTICAL OPERATIONS CENTER (TOC)

The TOC shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Tactical Operations Center”.

There shall be one (1) Tactical Operations Center. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The contractor shall design a backup power generator system that is independent of the garrison power plant for the TOC in emergencies. The contractor shall ensure that the power generator system will accommodate the power needs. The backup power generator system shall provide fuel storage for the generators with a capacity of 48 hours of continuous generator runtime along with an electrical distribution system to the facility. The backup generators, fuel storage, and distribution system shall be furnished by the Contractor.

The TOC shall have a unit of measure lump sum under bid item, Tactical Operations Center, of the Bid Schedule (Section 00010).

6.2.8 OFFICERS BARRACKS - LARGE

The Officers Barracks - Large shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Officers Barracks - Large”.

There shall be a total of five (5) Officers Barracks – Large buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Officers Barracks - Large shall have a unit of measure per each under bid item, Officers Barracks – Large, of the Bid Schedule (Section 00010).

6.2.9 BATTALION STORAGE BUILDING

The Battalion Storage Building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Storage Building”.

There shall be a total of seven (7) Battalion Storage buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Battalion Storage Building shall have a unit of measure per each under bid items 0005AG of the Bid Schedule (Section 00010).

6.2.10 SMALL LATRINE BUILDING

The Small Latrine Building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A- titled “Latrine-Small”.

There shall be a total of ten (10) Small Latrine buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

All toilets shall be Eastern Style and shall face North–South. The Contractor shall either rotate the building or change the design to comply with the North-South toilet requirement.

The Contractor shall provide two (2) 5.0 m long Clothesline units at each large Small Latrine Building, following the standard construction drawings attached in the Appendix A.

The Small Latrine Buildings shall have a unit of measure per each under bid item, Small Latrine, of the Bid Schedule (Section 00010).

6.2.11 VIP BARRACKS

The VIP Barracks shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “VIP Barracks”.

There shall be a total of one (1) VIP buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The VIP Building shall have a unit of measure lump sum under bid item, VIP Barracks, of the Bid Schedule (00010).

6.2.12 BATTALION HEADQUARTERS BUILDING

The Battalion Headquarter Building shall Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Headquarters Building”.

There shall be a total of five (5) Battalion Headquarters buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The contractor shall design and construct a backup power generator system that is independent of the garrison power plant for the battalion headquarters in emergencies. The contractor shall ensure that the power generator system will accommodate the battalion Headquarters power needs. The backup power generator system shall provide fuel storage for the generators with a capacity of 48 hours of continuous generator runtime along with an electrical distribution system to the facility. The generators, fuel storage, and distribution system shall be furnished by the Contractor.

The contractor shall provide three (3) flagpole structures for each Battalion Headquarters Building, a total of 15, per the standard construction drawings attached in the Appendix A. The flagpoles shall be approximately 9 meters high, aluminum tubes with external halyard and light beacon.

The Battalion Headquarter Buildings shall have a unit of measure per each under bid item, Battalion Headquarter Building, of the Bid Schedule (Section 00010).

6.2.13 ADMINISTRATION BUILDING

The Administration Building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A –titled “Admin Building”.

There shall be a total of one (1) Administration buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Administration Building shall have a unit of measure per each under bid items, Administration Building, of the Bid Schedule (Section 00010).

6.2.14 OFFICERS BARRACKS - SMALL

The Officers Barracks building shall Arch-Span type construction following the standard construction drawings attached in the Appendix A-titled “Officers Barracks - Small”.

There shall be a total of one (1) Officers Barracks – Small buildings. The Contractor shall refer to the concept Site Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Officers Barracks - Small shall have a unit of measure per each under bid item, Officers Barracks, of the Bid Schedule (Section 00010).

6.2.15 DINING FACILITY - DFAC

The Contractor shall construct a Dining Facility building of Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “DFAC- Large”.

There shall be one (1) Dining Facility building. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

All quantities of stoves, wood stoves, sinks, and other equipment are as illustrated in the standard construction drawings.

The DFAC shall include, as a minimum, the following:

- a. A service area in support of the DFAC building. The service area shall be surrounded with a 3 m high chain link fence with Y-channel and triple strand concertina wire and one (1) lockable double swing arm vehicle gate and two (2) lockable personnel gates. Construct the fence and gates per the standard design drawings in Appendix A. The service area shall be able to accommodate propane storage, wood stoves, wood storage area, and storage areas, area for the future location of trailers, and maneuver area. The service areas shall be aggregate surfaced with a minimum of 200mm thickness.
- b. Grease separator shall be a hydro-mechanical model as defined in Standard PDI G101, revised 2007. Grease separator shall be provided outside and exterior to the building.
- c. A covered wood storage area shall be constructed in close proximity to the wood stoves and be fenced.
- d. For a 30-day supply of fuel, provide four (4) bottles per cook stove. **The Contractor shall provide a full supply of fuel to the tanks at the time of turnover to the Government.**

- e. The contractor shall design and construct a backup power generator system that is independent of the garrison power plant for the DFAC in emergencies. The contractor shall ensure that the power generator system will accommodate the facilities power needs. The backup power generator system shall provide fuel storage for the generators with a capacity of 48 hours of continuous generator runtime along with an electrical distribution system to the facility. The generators, fuel storage, and distribution system shall be furnished by the Contractor.

The Dining Facility shall have a unit of measure per lump sum under item, DFAC, of the Bid Schedule (Section 00010).

6.2.16 VEHICLE MAINTENANCE FACILITY

The Contractor shall construct a Vehicle Maintenance building and shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Vehicle Maintenance Building”.

There shall be a total of eight (8) Vehicle Maintenance buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site. Additionally the design shall comply with the requirements of Section 01015 and follow the following programming standards:

- a. There shall be a concrete hardstand apron outside all garage doors at a minimum 10 m width. Concrete hardstand apron shall support a minimum loading of a 3-axle, 30,000 kg vehicle without failing.
- b. Emergency eye-wash stations shall be provided for each building or for every two (2) maintenance bays, as applicable.
- c. Battery rooms shall have emergency eyewash stations and one (1) acid resistant sink.
- d. An air compressor shall be located outside and to the rear of the building under a canopy and enclosed in a security with gate.

The Vehicle Maintenance Facility shall have a unit of measure per each under bid item, Vehicle Maintenance Facility, of the Bid Schedule (Section 00010).

6.2.17 TROOP MEDICAL CENTER

The Troop Medical Center building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Medical Clinic - Large”.

The Troop Medical Center is a large full service combination ambulatory/non-ambulatory facility with emergency care and ambulance access as well as walk-in patient care.

There shall be one (1) Troop Medical Center building. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The contractor shall design and construct a backup power generator system that is independent of the garrison power plant for the Troop Medical Center in emergencies. The contractor shall ensure that the power generator system will accommodate the facilities power needs. The backup power generator system shall provide fuel storage for the generators with a capacity of 48 hours of continuous generator runtime along with an electrical distribution system to the facility. The generators, fuel storage, and distribution system shall be furnished by the Contractor. **The Contractor shall provide a full supply of fuel to the tanks at the time of turnover to the Government.**

The Troop Medical Center shall have a unit of measure lump sum under bid item, Troop Medical Center, of the Bid Schedule (Section 00010).

6.2.18 TRAINING CLASSROOM BUILDING

The Training Classroom Building shall be Arch-Span type construction following the standard construction drawings attached in the Appendix A – titled “Training Building”.

There shall be a total of five (5) Training Classroom buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Training Classroom Building shall have a unit of measure per each under bid item, Training Classroom Building, of the Bid Schedule (Section 00010).

6.3 CMU TYPE CONSTRUCTION

6.3.1 SMALL ARMS STORAGE BUILDING

The Small Arms Storage building shall be of a CMU type construction following the standard construction drawings attached in the Appendix A.

There shall be a total of five (5) Small Arms Storage buildings. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

Each Small Arms Storage building shall include the following:

- a. Provide wooden racks for storing long-arm weapons vertically. Racks shall not be furnished with locking bars.
- b. The Contractor shall provide power outlets in walls no more than 4.0 m apart.
- c. The facility will be enclosed with a 3.0 m high fence and a secure entranceway.
- d. The area within the fence enclosure shall be surfaced with aggregate that is 150 mm thick.

Small Arms Storage Buildings shall have a unit of measure per each under bid item, Small Arms Storage bldg., of the Bid Schedule (Section 00010).

6.3.2 POL STORAGE BUILDING

The POL Storage Building shall be of a CMU type construction following the standard construction drawings attached in the Appendix A.

There shall be one (1) POL Storage Building at each Vehicle Maintenance Building, a total of eight (8). The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The POL Storage Building shall have a unit of measure per each under bid items, POL Storage Building, of the Bid Schedule (Section 00010).

6.3.3 FUEL OPERATORS BUILDING

The Fuel Operators Building shall be of a CMU type construction following the standard construction drawings attached in the Appendix A.

There shall be one (1) Fuel Operators Building. The Contractor shall refer to the Concept Plan for the location of this facility type in relationship to other buildings and facilities on site.

The Fuel Operators Building shall have and unit measure of lump sum under bid items, Fuel Operators Building, of the Bid Schedule (Section 00010).

7. COMPLETION OF WORK

The order of construction for all buildings and facilities shall be prioritized. The contractor shall construct in accordance with the Construction Priority Schedule and the requirements specified in Section 00150.

All work required under this contract shall be completed within 550 calendar days including Government review time from Notice-to-Proceed (NTP) for site work.

All work under this contract shall be completed and buildings ready for beneficial occupancy in accordance with the Construction Priority Schedule. The Required Period of Performance is stated in Days following the NTP/Award Date, as described in the Table 10-1 below:

Table 7-1 Construction Priorities Schedule

PRIORITY 1: 225 Days Completion from NTP		
SUMMARY	SITE WORK AND FACILITIES	UNITS
Infrastructure & Utilities	Demolition	n/a
	Unexploded Ordinance/Mine Removal and Clearance	n/a
	Site Grading and Storm Water Management	n/a
	Road Network	n/a
	Water System	n/a
	Waste Water Treatment Plant, Waste Water Collection, and WWTP Outfall	n/a
	Site Power and Electrical Distribution System	n/a
	D-FAC	1
	Perimeter Fence	n/a
	Perimeter Road	n/a
	Secondary ECP	1
	Guard Towers	2
	Perimeter Wall	n/a
	Duct-Bank Installation	n/a
PRIORITY 2: 348 Days Completion from NTP		
SUMMARY	FACILITIES TO BE CONSTRUCTED	UNITS
HQ – Brigade Headquarters	Battalion HQ Building	1
	Officers Barracks - Large	1
	VIP Barracks	1

	Combo NCO/Enlisted Barracks	1
	Enlisted Barracks	1
	Small Latrine Bldg.	1
	Battalion Storage Bldg.	1
	HQ Motor Pool	1
	Small Arms Storage	1
	Training Classroom Bldg.	1
	Tactical Operation Center	1
GSU – Garrison Support Unit	Battalion HQ Building	1
	Officers Barracks - Large	1
	Officers Barracks - Small	1
	Enlisted Barracks	1
	Large Latrine/Laundry Bldg.	1
	Battalion Storage	1
	Vehicle Maintenance Bldg.	1
	GSU Motor Pool	1
	Small Arms Storage	1
	Training Facility Bldg	1
	POL Storage Bldg.	1
CSS – Combat Service Support	Battalion HQ Building	1
	Officers Barracks - Large	1
	NCO Barracks	1
	Enlisted Barracks	1
	Combo NCO/Enlisted Barracks	1
	Small Latrine	3
	Battalion Storage Bldg.	2
	Vehicle Maintenance Bldg.	3
	CSS Motor Pool	1
	Small Arms Storage Bldg.	1

	Training Facility Bldg	1
	POL Storage Bldg.	3
CS – Combat Support	Battalion HQ Building	1
	Admin Bldg.	1
	Officers Barracks	1
	NCO Barracks	1
	Combo NCO/Enlisted Barracks	2
	Enlisted Barracks	2
	Latrine Small	4
	Battalion Storage Bldg.	2
	Vehicle Maintenance Bldg.	3
	CS/RCC Motor Pool	1
	Small Arms Storage	1
	Training Facility Bldg	1
	POL Storage Bldg.	3

PRIORITY 3: 439 Days Completion from NTP

SUMMARY	FACILITIES TO BE CONSTRUCTED	UNITS
Infantry	Battalion HQ Building	1
	Officers Barracks - Large	1
	NCO Barracks	2
	Enlisted Barracks	4
	Large Latrine/Laundry Bldg.	1
	Small Latrine Bldg.	2
	Battalion Storage	1
	Vehicle Maintenance Bldg.	1
	Motor Pool	1
	Small Arms Storage	1
	Training Facility Bldg	1
	POL Storage Bldg.	1

PRIORITY 4: 550 Days Completion from NTP

SUMMARY	FACILITIES TO BE CONSTRUCTED	UNITS
	All remaining work	n/a

END OF SECTION