

QUESTIONS & ANSWERS (Q&A)  
W917PM-08-R-0092

**ANP, National Training Center, Maydan Wardak Province, AF  
(Questions & Answers provided for informational purposes only)**

If any Government responses indicate a change to the technical proposal, it is not official until  
and amendment is issued)

19 October 2008

Q = Question

A = Answer

**Q.** Section 00555, page 1 of 2, is missing from the basic RFP. Please provide this page.

**A.** See Amendment No. 0004

**Q.** Table of Contents, page TC-2, lists Appendix B8-B11, Power Plant. These are not on the website. Please provide these appendices on the website.

**A.** See Amendment No. 0004

**Q.** Section 1010, page 14 of 38, states "provide generators based on the N + 2 concept." Section 1015, Page 57 of 66, states that "the generator power system ...shall be configured as an (N + 1) system". Please clarify.

**A.** Generators should be based on the N+2 concept per section 01010, paragraph 4.8.3. Edit section 01015, paragraph 9.4.1 to read N+2.

**Q.** Bid form 00010, Page 4 of 4, Paragraph 7, states "Completion of Phase I by 30 December 2009 and Completion of Phase II by 31 March 2011." General Conditions - Page 17 of 24, Art 52.211-12 states that "... Phase II is to be completed by 31 December 2010." Amendment 3 states that "...Phase I must be completed by 30 April 2010." Please clarify the Phase I and Phase II completion dates.

**A.** Phase I required completion date is 30 April 2010. Phase II required completion date is 31 March 2011. See Amendment No. 0004

**Q.** Can the USACE supply us with the Master Plan overlaid with contour lines for this site?

**A.** USACE does not have the Master Plan overlaid with contour lines. Contour lines are the responsibility of the successful offerer as indicated in section 01010, paragraph 4.2.

**Q.** Sect 1010, Page 3 of 38, calls for "Bunkers for 2000 students and 500 support staff. Sect 1010, Page 18 of 38, Paragraph 4.9.9 calls for concrete bunkers with "seating for 3,000 persons." The Proposal Schedule 00010, page 1 of 4, Bid Item 3AC calls for "Concrete Bunkers for 1,250 people." The Proposal Schedule 00010, page 3 of 4, Bid Item

7AN, calls for "Bunkers for 2,500 persons." Please clarify the number and capacity of the bunkers.

**A.** Section 00010 and section 01010, paragraph 1.0, correctly indicate bunker seating for 1,250 in Phase I and 2,500 people in Phase II. See Amendment No. 0004.

**Q.** Section 1010, Page 34 of 38, states that "A set budget amount of \$110,000 has been established for spare parts". There are two (2) bid items - 005AU and 007AQ - for Spare Parts. Please clarify distribution of the spare parts budget between those bid items.

**A.** It is the contractor's responsibility to determine spare parts budget distribution between the two bid schedule line items 005AU and 007AQ, based on the facilities to be constructed in each phase.

**Q.** In the Scope of Work (SOW), Section 01010, Part 4.4, Water System, what is meant or intended by the inclusion of water purification in the first sentence? There is no mention of treatment of any kind anywhere else in the scope, only disinfection. I would hope that the groundwater will be drinkable without purification, but it is likely to have very high hardness so softening might be considered.

**A.** See Amendment No. 0004

**Q.** In Scope of Work (SOW), Section 01010, Part 4.4, Water System, why are well pumps required to deliver a minimum of 50-60 psi? Is this really required, as it corresponds to pumping into a 140 foot tall storage tank.

**A.** Provide 50-60 psi water pressure as indicated in section 01010, para. 4.4.

**Q.** Section 01015, Technical requirements, Part 2.4.2.8 requires disinfection using Sodium Hypochlorite. Has any consideration been given to disinfection alternatives such as Calcium Hypochlorite? The delivery system requirements for each are similar, but Calcium Hypochlorite (solid 'HTH') is generally easier to store and retains its potency longer than Sodium Hypochlorite.

**A.** Provide sodium hypochlorite as indicated in RFP section 01015, para. 2.4.2.8. Calcium hypochlorite system may be proposed as a construction substitution after award.

**Q.** In Section 01015, Part 2.4.2.6, the booster pump station is referred to as a 'direct pressure' system. Does a hydro-pneumatic system with a pressure tank on the pump discharge to maintain pressure and limit pump cycling meet this requirement? A direct pressure system implies pressure is provided only by pumping with no tanks at all, which would not be recommended.

**A.** Provide hydro-pneumatic tanks as indicated in RFP section 01010, paragraph 4.4.

**Q.** What peak daily and hourly water demands are anticipated? Peaks may impact the sizing of booster pumps as the criteria in the SOW (2 x ADD) may not be adequate for large peaks such as often occur at morning and

early evening. Peaks also impact the sizing of equalization storage required in the wastewater treatment system.

**A.** The contractor is responsible for calculating the peak supply demand as part of the design analysis and requirements indicated in RFP section 01010, para. 4.4

**Q.** Is there a preference regarding sludge drying and disposal methods?

**A.** There is no preference for sludge drying and disposal.

**Q.** Assuming drying beds are required, can they be located outside the perimeter since they will take up valuable space and produce odors?

**A.** Drying beds if required may be located outside the perimeter wall.

**Q.** What is the prevailing wind direction at the site? (Is it west to east?)

**A.** Prevailing wind direction at site information is unavailable at this time. Contractor shall make that determination after contract award.

**Q.** We have noted that the site is very constrained with respect to layout of the facilities required. As Designer of Record, do we have general discretion to pursue the space planning criteria provided in the RFP by use of alternative site layouts, building dimensions, and structural system selections?

**A.** Site layout, in general, should be followed with minimal deviations. Building sketches provided are schematic in nature, illustrating functional adjacencies. Contractor shall be required to design buildings to codes and criteria indicated in sections 01010 and 01015. Structural systems indicated in section 01010 should be followed.

**Q.** Section 01010, Scope of Work, Part 1.0, Phase 1 facilities list notes 3 ECP's with one guard shack at road but Drawing A-3 shows 5 ECP's and one Guard Shack at the main road. This would require 6 Guard Shacks. Which is correct?

**A.** Provide 3 ECPs and 4 Guard Shacks as indicated in section 01010. Primary ECP should be approximately centered on the North Wall. Secondary ECPs should be on the Southwest corner of the wall and approximately centered on the South wall. One guard shack should be provided at each ECP and One at the South road access per section 01010, para. 4.9.6.

**Q.** Section 01010, Scope of Work, Part 1.0, Drawing A-4 shows Building 234 Medical Facility yet it is not in the Phase 2 Facility List. Is it required or can it be deleted from the Site plan?

**A.** Medical Facility 234 is a future building for master planning purposes, but is not required in this solicitation.

**Q.** Section 01010, Scope of Work, Part 1.0, Phase 1 and Phase 2 facilities include Concrete Bunkers for 1,250 + 2,500 students and

staff. Drawing C-8 has standard design for Personnel Bunker with each capable of holding 10 people. This would mean we need to provide 375 bunkers near the barracks and classroom areas. Can these bunkers be longer and possibly two or more side by side to reduce footprint? Also, in Section 01010 Scope of Work, Part 4.9.9 it lists only 3,000 seats required. Please clarify.

**A.** Bunkers may be larger than the schematic plan and may be constructed side by side. EDIR section 0101, para. 4.9.9. to reflect correct 3,750 bunker seating requirement.

**Q.** Section 01010, Scope of Work, Part 1.0, Phase 1 facilities include Concrete Bunkers for 1,250 students and staff that are housed in the complex. Additionally Phase 1 included barracks for 500 recruits. Are concrete bunkers required for the recruits?

**A.** Provide bunker seating for 1,250 persons in Phase I per section 01010.

**Q.** Section 01010, Scope of Work, Part 1.0, Phase 1 facilities list the number of persons in the recruit barracks at 500. Yet, Phase 1 Barracks shown in 4.0 Table only have the size as 1,650 SM. Should these two barracks be two storey Open Barracks like B-32 in Phase 2?

**A.** Provide two, one-story, Phase I recruit barracks, 1650sm in size, per table in section 01010, para. 4.0.

**Q.** Section 01010, Scope of Work, Part 1.0, this section refers to UFC 4-010-01, DoD Minimum Anti-Terrorism Standards for Buildings. Section 4.9 refers to Joint Security Directorate Antiterrorism/Force Protection Guide, March 2002 which is the same UFC. These requirements with setbacks and windows will be difficult to meet within the site limits and the ATRFP window requirements are more than typically provided for ANP. Will this UFC requirement be waived?

**A.** Requirements of UFC 4-010-01 shall be enforced in this project. Setbacks must be met and laminated glazing is required for all exterior window and door glazing.

**Q.** Section 01010, Scope of Work, Part 1.0, Drawings A-3 and A-4 note Future Barracks 108, 113, 223, 224, and 225. This could add 500 or more people to the site. If so, should the utilities be sized for more than 4,000? Also, should room be provided for future bunkers?

**A.** Design site utilities for 4,000 as indicated in section 01010, paras. 4.4 and 4.5. Bunkers shall provide seating for 3,750 as indicated in section 01010, para. 1.0.

**Q.** Section 01010, Scope of Work, Part 1.0, Phase 2 Facility list requires 3 toilet facilities for classroom. In Phase 1 the only toilets are associated with the Barracks. Since the Phase 2 Barracks have toilets, are the additional toilets needed with the Phase 2 Classroom? Eliminating these would reduce costs.

**A.** Provide all toilet facilities as required by section 01010.

**Q.** Section 01010, Scope of Work, Part 4.10.5, Calls for 8 - 3,330 SM facilities, yet B-32 and all the Phase 2 barracks are shown as 1,750 Sm per floor. The 1,650 SM works for the Phase 1 barracks at 129 in each of the 7 barracks. That same number in two floors would provide for over 2,000. Should we use 3,330 SM facilities?

**A.** Area requirements for all buildings should be as indicated in section 01010.

**Q.** Section 01010, Scope of Work, Part 4.7.2 and 4.8.4, can fuel tanks with integral secondary containment be used in lieu of concrete containment slabs if deemed cost-effective. Previous projects preferred this approach.

**A.** Provide concrete secondary containment as indicated in section 01010, paras. 4.7.2 and 4.8.4.

**Q.** Section 01010, Scope of Work, Part 4.20, should Medical Facilities have air conditioning?

**A.** Per section 01010, para. 4.20, last sentence: "...;both facilities shall have split-pack air conditioning."

**Q.** Section 01010, Scope of Work, Part 4.14, Communications closets will only have AC in buildings with whole building AC. Split systems will not be provided. Please confirm this is correct.

**A.** See Amendment No. 0004

**Q.** Section 01015, Technical Requirements, Part 1.8, List of Codes included numerous UFC's. The UFC's are generally more onerous than the IBC code requirements and require more stringent systems than what is typically required for ANP projects. For many projects using MilCon Transformation in the USA, UFC's are not used except for Mass Notification, ATFP, and Fire Protection and those should not apply here. Can all UFC's be waived. Please confirm.

**A.** All code and criteria requirements indicated in section 01015, para. 1.8 are applicable in this project.

**Q.** Section 01015, Technical Requirements, Part 9.4.1, since utility power does not exist to feed this site, can the ATS be eliminated and contractor only provide conduit and provisions for future ATS capability?

**A.** Provide ATS as indicated in section 01015, para. 9.4.1.

**Q.** Section 01015, Technical Requirements, Part 9.4.2.3, to reduce cost, can aluminum conductors be used for the power distribution from the generators to the buildings and the solicitation only require copper for site lighting and building distribution?

**A.** Provide copper conductors as indicated in section 01015, para. 9.4.2.3.

**Q.** Section 01015, Technical Requirements, Part 7.3.5, Hot Water is called to be supplied with natural gas or propane, but natural gas is

not available and propoane is limited for cooking only. Elsewhere the RFP called for electric water heaters, which is what we intend to provide unless informed this is not acceptable. Sizing the hot water heaters according to the UFC standard is not appropriate for the ANP projects. On previous ANP projects, we sized the water heaters for the barracks based on the population showering every other day, allowing for 1.8 gallons per minute for 5 minutes per shower, and shower usage to be split to one morning and one evening 1 hour period. Laundry and laboratories would not be include at the same time as the showers. Is this approach acceptable?

For the IN and ITT barrack, sizing would be based on all occupants showering every day during a 2 hour time period. Laundry would not be include at the same time as the showers. Automatic clothes washers are included in these buildings.

**A.** Section 01015, para. 7.3.5 requires electric hot water heaters except where gas hot water heaters shall be provided to satisfy large hot water requirements when economically justifiable and practical. Size per the UFC for the entire project.

**Q.** Section 01015, Technical Requirements, Part 7.3.4, are there automatic clothes washers in the Medical Building Laundry? For the laundry areas with automatic clothes washers, per the UFC 3 420 Plumbing Systems, Commercial washers need 180 deg F water and if provided with booster heaters, then 140 deg F water can be provided. This RFP only requires 120 Deg F hot water. Is this adequate. Also, if boosters are required, please provide electrrial data.

**A.** No commercial washers are required in this project. Water at 120 deg F is acceptable per section 01015, para. 7.3.4.