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NAVAL FACILITIES ENGINEERING COMMAND, PACIFIC
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Notice No. 10
27 July 2016

PRE-PROPOSAL QUESTIONS & ANSWERS

SOLICITATION N62742-16-R-1309
FY16 MCAF PROJECT P-3028/AJJY133028 LOW OBSERVABLE/CORROSION CONTROL/COMPOSITEREPAIR SHOP, JOINT REGION MARIANAS-ANDERSEN AIR FORCE BASE, GUAM

NOTE: The following questions and answers are provided for INFORMATION ONLY. The solicitation remains unchanged unless it is amended in writing on a Standard Form 30.

76. REF Spec Section 01 57 19.00 20 PARA 1.4 – Can the government, as the permit holder, provide more specific information on whether or not air permit modification application will need to be made? Will work be able to commence without the application in place?

ANSWER: No Andersen AFB air permit modification is required. The contractor is responsible for any construction air emission-related permits (i.e., concrete batch plant, generators, etc.) prior to construction.

149. Specification Section 26 23 00 – Switchboards: Par. 2.2.2.1 Enclosure; Par. 2.2.2.2 Bus Bars:

Design requires indoor switchboard panel, and however the spec calls for exterior type. 2.2.2.2.1 Enclosure calls for NEMA 4X and 2.2.2.2 Bus Bars calls for epoxy coating finish. Unable to find suppliers/manufacturers who can comply with these requirements.

ANSWER: Revise Specification 26 23 00, Paragraph 2.2.2.1 to read as follows:

"The Switchboard enclosures shall be a NEMA ICS 6 Type NEMA 1. Enclosure shall be bolted together with removable bolt-on side and rear covers. Bases, frames and channels of enclosures shall be corrosion resistant and shall be fabricated of ASTM A167 type 304 or 304l stainless steel or galvanized steel. Base shall include any part of the enclosure that is within 75 mm (3 inches) of concrete pad. Paint enclosure, including bases, ASTM D1535 light gray No. 61 or No. 49. Paint coating system shall comply with IEEE C57.12.29 for stainless steel or IEEE C57.12.28 for galvanized steel.

Revise the last sentence of Specification 26 23 00, Paragraph 2.2.2.2 to read as follows:

"Phase bus bars shall be uninsulated for indoor application."

See upcoming Amendment 0004.

150. Reference storm drain line SD-04 on sheet C-120 and storm drain profile detail 3/C-701. Clarify material for 24" pipe, sheet C-120 calls out for RCP and sheet C-701 call out for PVC.

ANSWER: The 24" pipe should be RCP. Sheet C-701 will be revised to identify the storm drain pipe as RCP.

151. Reference storm drain line SD-04 on sheet C-120 and storm drain profile detail 3/C-701. Clarify quantity of SDMH required. Sheet C-120 show 2 and sheet C-701 show only 1. Also provide detail for storm drain Man hole.

ANSWER: Storm Drain line SD-04 has two storm manholes at Station 0+11.94 and Station 0+61.78. Sheet C-701 will be clarified in forthcoming amendment. Sanitary sewer manhole Detail 2 / C-506 can be used for storm drain manholes.

152. Details 3&4/A-314 shows keynote 501 (25mm (1") prefinished corrugated metal panel as the finish on the exterior soffit between column lines A&B / 3&4. Please provide a specification for the metal panels.

ANSWER: Amendment forthcoming.

153. Partition type drawings A-601 and A-602 refer to batt insulation for thermal and acoustical. Please provide a specification for batt insulation.

ANSWER: Amendment forthcoming.

154. Detail 1/A-601 requires "compressible insulation" at the top of gyp board walls. Please provide a specification for the compressible insulation.

ANSWER: Amendment forthcoming.

155. Window types W-4 and W-5 call for "hurricane rated glass block". There is no specification for glass block. Please provide specifications.

ANSWER: The glass block is included in the blast resistant window/panels specification section (08.56.53).

156. Specification 31 21 13, part 3.4.2.2, states to provide a long term test of the radon system 8 to 12 months after final acceptance. Part 1.12, states that 10 percent of the contract price will be withheld until such test has been completed and radon readings are below a minimum level. Please clarify if 10 percent of the contract value will be retained, or if only 10 percent of the radon system value is to be retained.

ANSWER: 10% of radon system contract value will be retained.

157. Specification 31 21 13, page 27, contains a pricing schedule for the radon system, inclusive of payment and performance bonds. It also states to submit with our bid a Northern Division Form NSF/Form BG-HR. Please clarify if this these pricing line items and forms are required with the proposal submission.

ANSWER: Response deferred.

158. Sheet E-601 indicates Main 3000A 480Y/277V Switchboard. Each feeder circuit break after switchboard is separated by a dotted line. Specification 26 23 00, section 2.2.2, lists the requirements of compartmentalized switchboards. Please clarify if the dotted lines between feeder circuit breakers after the main switchboard are an indication of compartmentalized.

ANSWER: The Dotted lines between feeder circuit breaker "ARE NOT" indications of compartmentalized. Amendment forthcoming.

159. Sheet E-102, room 132, indicates the location of the MDB. The size of the MDB scales to 90"w x 36"d. The specified switchboard would be 162"w x 48"d. Additionally, if compartmentalization of the feeder circuit breakers is required, the depth would be 54". Please confirm the specified switchboard is to be provided, and at this time, contractor is not required to modify the switchboard location due to space constraints.

ANSWER: See responses to Question #124 and Question #133 for modification of switchboard specification requirement. Amendment forthcoming.

160. Section 11 50 13 – Component Paint Spray Booth:

Reference to Specification Section 11 50 13 "Component Paint Booth" and Specification Revisions on Amendment 0003, below are some questions and clarification from Component Paint Booth manufacturer/supplier as follows;

- Par. 1.2 References: Should "UFC 3-410-04n Design: Industrial Ventilation" reference be added Reference list?
- Par. 1.4.4.d Structural Performance Requirements: Please confirm if a safety ladder to the top of the booth and handrails around the top of the booth are required?
- Par. 1.7 Coordination: Should a remote explosion proof strobe and audible alarm be located in the Paint Spray Booth to indicate CO & Fire Alarms?
- Par. 1.8 Warranty: Does this include all parts and service – to include normal wear items, like – paint filters, lights, fan belts?
- Par. 2.1.1 Spray Booth Construction: a. Should walls be covered with a peelable paint to protect the smoothness of the booth and minimize paint build up on the walls and ceiling? b. Should the floor be covered with a fire retardant paper and double taped to minimize the paint build up on the floors?
- Par. 2.2 Emergency Shut-Down: a. Booth is to be provided with 2 man doors with viewing windows and two work doors. One limit switch for work door and 1 limit switch per man door? b. Each man door to be provided with an emergency exit light with Battery back Up?
- Par. 2.3 Lighting: 100 foot candles to be measured 3 ft off the floor?
- Par. 2.4.5 Testing Specifications: a. Transmitters to be located down stream of each differential pressure drop and displayed on the main control panel touch screen? b. High set point / statics shall alarm @ the Touch Screen?

- Par. 2.5.1.a Control Panel: Supply AMU to have VFD to assist in maintain the required Booth negative static pressure and 100 fpm air flow. Both the AMU and Exhaust VFDs will ramp up or down to maintain both of these parameters?
- Par. 2.5.1.f Control Panel: a. High set points for Temperature and Humidity shall alarm @ the Main Control Panel? b. Please confirm that E stop (mushroom type) and manual light switch are to be located inside the booth – making each of them Explosion Proof fixtures and wiring?
- Par. 2.5.1.h Control Panel: Should control panel have filtered – removable exhaust fans in the panel to keep the control panel cool?
- Par. 2.6.1 Housing: Permatector is a Trademark of Greenheck's Powder Coat system, request a coating of equal protection be allowed?
- Par. 2.6.4 Exhaust Fan Motors: Motor to be equipped with an hour meter to assist in scheduled Maintenance of the motor and other equipment?
- Par. 2.7.1 Heating, Ventilation & Air-conditioning: a. Smoke detectors are to be terminated where and provide an alarm to where? b. Fire Suppression (ABC Type) to be installed in each exhaust duct? c. All motors to have separate disconnects with lock out/tag out?
- Par. 3.1b Installation: Should manual include 1 year recommended spare parts listing / priced?
- Par. 3.1d Installation: Does this include all parts and service – to include normal wear items, like – paint filters, lights?
- What are the performance and acceptance criteria for the Paint Spray Booth?
- What are the TAB requirements for the Paint Spray Booth?

ANSWER: Response deferred.

161. Section 11 50 19 – Sand & Dust Booths:

Reference to Specification Section 11 50 16 "Sand & Dust Booths" and Specification Revisions on Amendment 0003, below are some questions and clarification from Sand & Dust Booths manufacturer/supplier as follows;

- Par. 1.4.1.1 Sanding & Dust Booths: Booth system shall be a recirculated air system. Is there a Sound Attenuation requirement for this application? Recirculating approx. 17, 000 cfm back into the same room will generate a high dBA reading – will a silencer between the recirculating blower and the HEPA filter be required?
- Par. 1.4.2 Sanding & Dust Booth Filtration Systems:
  a. Will the HEPA filter enclosure, approx. 6' wide x 6' tall, require a diffuser upstream of the HEPA filter as well as a Pre-filter to process 17,150 cfm?
  b. Fans should be selected based on min. 140 cfm cross draft air flow @ full static for the Cartridge filters and HEPA filters – making the initial clean filter cfm much higher?
- Par. 1.4.3 Supervisory Control System:
  a. Booth operations shall cease (air supply to sanders / vacuum operations / blow off air) upon failure of the recirculating fans?
  b. Recirculating fans will immediately shut down in the event of a fire alarm?

- Par. 1.7 Coordination:
  a. Should a remote explosion proof strobe and audible alarm be located in the Sanding and Dust Booth to indicate CO and Fire Alarms?
  b. How many utility air drops, breathing air drop and vacuum ports will be required for the sanding and dust booth?
- Par. 1.8 Warranty: Does this include all parts and service – to include normal wear items, like – cartridge filters, HEPA filters, lights?
- Par. 2.2.1 Booth Construction**:**
  a. What color should the booth exterior and interior be painted?
  b. Is the booth required to comply with the Section 09.96.00 High Performance Coatings – 2 coats epoxy primer and 1 top coat polyurethane?
- Par. 2.3.3 Wiring: Power for the lights are usually located in the main control panel for the equipment. Are we NOT to pull power from our control panel and run power from the electrical equipment room for the lights?
- Par. 2.3.4 Sanding & Dust Collection Modules:
  a. Sanding can generate static electricity – how did you want us to address the arrestor or suppression of statics?
  b. Is any fire suppression in the return vent piping / HEPA filter required?
- Par. 2.3.4.1 Sanding & Dust Booth Control: Should starters for Recirculating fans, pulse board for solenoids/ diaphragms and E stop on front of Panel be added?
- Par. 2.4 Recirculation Fans: Permatector is a Trademark of Greenheck's Powder Coat system, request a coating of equal protection be allowed?
- Par. 2.4.3 Recirculation Fan Motors: Motor to be equipped with an hour meter to assist in scheduled Maintenance of the motor and other equipment?
- Par. 2.6.1 Housing: Permatector is a Trademark of Greenheck's Powder Coat system, request a coating of equal protection be allowed?
- Par. 2.6.4 Exhaust Fan Motors: Motor to be equipped with an hour meter to assist in scheduled Maintenance of the motor and other equipment?
- Par. 3.1 Installation: Should manual include 1 year recommended spare parts listing / priced?
- What are the performance and acceptance criteria for the Sanding and Dust Booth?
- What are the TAB requirements for the Sanding and Dust Booth?

ANSWER: Response deferred.

162 Section 13 21 15 – Decontamination Air Showers:

Reference to Specification Section 13 21 15 "Decontamination Air Showers", below are some questions and clarification from the manufacturer/supplier as follows;

- Par. 1.3.1 Air Shower:
  a. Are these the overall dimensions including control / filters / blower – 7'10" tall x 4'-7" wide x 4'-7" deep.? Many other units are made in even Feet dimensions – and are much either taller or wider to mount the items previously mentioned.
  b. There is only ONE unit required for location 123 – air shower, although 111 PPE / 117 Comp Decon and 122 Decon indicate some type of clean or air shower?
  c. Is there an approved list of suppliers or a standard "air shower" being requested?

ANSWER: Response deferred.

163. Section 11 50 10 – Paint Spray Booths

Reference to Specification Section 11 50 10 "Paint Spray Booths" and Specification Revisions on Amendment 0003, below are some questions and clarification from Paint Booths manufacturer/supplier as follows;

- Par. 1.10.3 Maintenance Access items: Contractor to provide (2) safety access ladders to the top of the booth with handrails around the perimeter of the booth?
- Par. 2.2.1 Construction:
  a. Should walls be covered with a peelable paint to protect the smoothness of the booth and minimize paint build up on the walls and ceiling?
  b. Should the floor be covered with a fire retardant paper and double taped to minimize the paint build up on the floors?
- Par. 2.3.2 Air Flow System:
  a. Confirming that total CFM @ 75 fpm is 131,175 cfm vs valves indicated on drawing M-607?
  b. What is the minimum and maximum negative pressure expected during operations?
  c. Is booth to shut-down if negative pressure parameters are not maintained?
- Par. 2.3.3 Heating, Ventilating & Air Conditioning: Has ERV technology been considered and would it be a viable option?
- Par. 2.4.21 Protective Coatings: Is the booth required to comply with the Section 09.96.00 High Performance Coatings – 2 coats epoxy primer and 1 top coat polyurethane?
- Par. 2.5 Paint Booth Electrical Equipment & Systems:
  a. Should read as "Interlock paint spray nozzles with both ventilation system and light fixture lenses and door limit switches."
  b. Should E Stops be explosion proof?
  c. Should explosion – proof CO strobes be included inside the paint booth?
  d. Provide Emergency Exit lights over each man door – with battery backups?
- Par. 3.3 Testing: Is equipment to be NRTL tested and certified?

- Par. 3.3.1 Performance Testing:
  a. What are the specific performance and acceptance criteria for the spray booth?
  b. What are the TAB requirements for the spray booth?

ANSWER: Response deferred.