

Contractor Questions
For
Solicitation No. SCO150-13-R-N014
Construction of Radar Towers

Following is a list of the questions that were submitted by prospective offerors for the above solicitation. Each question is followed by the Government's response.

Question #1: In accordance with some of previous questions we would like to request two additional weeks to submit the proposal, if this is possible.

Answer: The due date for delivery of proposals has been revised to Wednesday, August 7, 2013. See Solicitation Amendment A005 (issued July 16, 2013) for updated instructions on submitting proposals.

Question #2: Shall the offerors provide Letters of credit or insurance Bonds, or Letters of credit and insurance Bonds?

Answer: As per Solicitation Sub-Section H.1, one Irrevocable Letter of Credit (ILOC) is to be provided as a Performance Surety, and a second ILOC is to be provided as a Payment Surety. The amount of the Performance ILOC is to be 20% of the contract price, and the amount of the Payment ILOC is to be 10% of the contract price.

Samples of Performance and Payment ILOC sureties acceptable to the Government were provided as Solicitation Attachments 4a and 4b.

Insurance requirements are specified in Solicitation Sub-Section H.2.

Question #3: In order to structure our proposal, please let us know the contract payment schedule.

Answer: Payments will be made on a monthly basis. As specified in Solicitation Sub-Section G.3.2, each request for payment, which shall be made no more frequently than monthly, unless otherwise provided herein, shall cover the value of labor and materials completed and in place, including a pro-rated portion of overhead and profit.

There will be no advance payments under the contract.

Question #4: Considering Chocó weather conditions, can all work days affected by weather be requested as additional days to the duration of the contract?

Answer: As specified in Solicitation Sub-Section F.12.1, for each rain day on which the Contractor is unable to perform work, one additional calendar day may be added to the contract period of performance. The additional time added to the schedule is considered to be full compensation to the Contractor for any work time lost as the result of rain delays. The

Contractor will not receive additional monetary compensation as the result of rain delays. The Contractor is required to mitigate the impact of rain delays by performing any other activities that can be performed during periods of rain.

A “rain day” is defined as a day on which it is apparent that the rain is of such a magnitude or duration that it would be unlikely that the Contractor would be able to complete sufficient work to justify requiring the Contractor and his labor force to remain on site during that day.

Each rain day will be decided on a case-by-case basis, and must be approved as a rain day by the COR. Any disputes shall be resolved by the Contracting Officer.

Question #5: In accordance with Attachment 2, Bidding Chart, the Breakdown of Price by Divisions of Specifications (first page of Attachment 2) does not correspond with the chapters in the Official Breakdown Chart. Can we adjust the Breakdown of Price by Divisions of Specifications to match the Official Breakdown Chart?

Answer: For this procurement, you are not required to complete the Breakdown of Price by Divisions of Specifications (first page of Attachment 2). However, you must complete the entire Official Breakdown Chart that begins on the second page of Attachment #2.

Question #6: In accordance with ASTM A123, the galvanizing bath shall contain not less than an average value of 98% zinc by weight and the galvanizer may choose to add trace amounts of certain elements (for example, aluminum, nickel, and tin) to the zinc bath. Why is the requirement with 95% galvanized and 5% aluminum?

Answer: An amendment shall be issued in order to reflect that according to the ASTM B6 that states that the quality of the zinc used to galvanize shall be 99.99 % of zinc (High special grade). The rest of the reference elements like aluminum, nickel and tin shall only be included in minimum proportions as impurities.

Question #7: The method for the grounding is using capacitive grounding. Why is it not resistive grounding?

Answer: An amendment shall be issued in order to clarify the grounding system.

Question #8: If the Tower is not fabricated in Bogotá, what would be the procedure for the INL inspection before transport to Buenaventura?

Answer: During the project execution it shall be coordinated with the contractor the location where the inspection shall take place.

Question #9: Why is the helicopter harness (item 1.07.02) included in the base bid, if bid option 1 includes the helicopter transport? Not all related activities for helicopter transport should be included in the bid option 1?

Answer: Item 1.07.02 regarding helicopter harness shall be bid separately from the scope of Bid Option #1.

Question #10: Why is the helicopter harness for Pizarro (item 2.07.03) included, if a helicopter is not applicable for Pizarro?

Answer: Item 2.07.03 regarding helicopter harness in the Pizarro chapter shall not be quoted since no helicopter shall be used in the logistical planning for this site.

Question #11: If possible, please send the coordinates of the two sites where the projects will be constructed and the coordinates of the Bahia Solano Port.

Answer:

Bahía Solano (Cerro Mutis): Latitude: 06°12'41"N Longitude: 77°25'20"W

Pizarro: Latitude: 04°57'49.6"N Longitude: 77°21'39.6"W

Question #12: Please clarify the procedure to disposal of materials that have been excavated but are not used in the project.

Answer: As specified in Attachment #1 in section "Particular Work Conditions", Sub-Section "Cleaning and debris removal", the contractor shall take these materials to an authorized dump, where the interests of the base, third parties and the environment shall not be affected (the contractor shall follow the parameters established in Resolution 541/94 and the subsequent that modify it). Material from excavations shall be deposited in such a way as to avoid blocking the entrance to the site at all times or occupying public roads while the material is being loaded into trucks for removal.

Question #13: Items 1.07.03 and 2.07.04 are transport from Bogota to Buenaventura. If the contractor transports the materials from another city could we change the description of the item in accordance with the corresponding city used?

Answer: The contractor shall quote these transportations using the same line items in the bidding chart, but shall clarify the logistical aspects in Volume 2: Technical Proposal, logistical plan.

Question #14: In considering project security and the safety plan, is it possible to take into account COLNAV support?

Answer: COLNAV may be able to help to the extent possible in the coordination for the security and safety plan; however the contractor must take into account that the COLNAV or the US Government shall not be responsible for the payment of the security or safety services nor for the elements left at the construction site.

Question #15: What is the availability to use existing facilities in Cerro Mutis as temporary facilities during the project?

Answer: The Contractor shall follow sub-section “Temporary facilities” of the technical specification. It is the responsibility of the contractor to construct their own temporary facilities for the project.

Question #16: On top of Cerro Mutis a guyed tower is on site where radar tower will be constructed. What is the distance required to avoid interferences between structures?

Answer: The exact location of the tower shall be formalized by the end user once the contract is awarded.

Question #17: Can you provide a layout drawing where the existing structures and proposed structure are located?

Answer: Refer to the answer to Question #16.

Question #18: In drawing 17/17 where top view of "SECCION PEDESTAL" is shown, $\phi 16$ VAR. 7/8" are required, but it doesn't appear on the BOM, Position number 3 is shown in the drawing as VAR. $\phi 3/4 \times 3300$ ", please clarify.

Answer: Once the structural designer reviewed his calculations, he confirmed that 16 VAR. 7/8" is the reinforcement for the pedestal on drawing 17/17.

Question #19: In drawing 14/17 appears position number 363H, where should it be assembled? Does it correspond with the drawing?

Answer: As stated by the structural designer of the project: “Position 363H is assembled in the joint between each tract of the tower. In the referred drawing it was not indicated but should be installed.”

Question #20: Please observe that in drawing 12/17 position number 359CH is repeated, should it receive a different identification number?

Answer: As stated by the structural designer of the project: “Position 359CH is not repeated. There are four elements identified with that position in the drawing and in the chart which are included the same way.”

Question #21: Please observe that in drawing 11/17, position number 300H shall correspond with the new Id number to be assigned on previous No 6be 350H.

Answer: As stated by the structural designer of the project: “This is not accurate. As you can see in the drawings there is part of the inferior track showed and some positions are indicated. With a detailed review, the references showed in both, drawing and chart are correct.”

Question #22: Please observe that in drawing 6/17, 157H mark belongs to two different members. In "CORTE I - I" shall be marked as 158H.

Answer: As stated by the structural designer of the project: “Element marked 157 in “CORTE I- I” is correct. Members shown as 157H in the layout view are wrong; those shall be 158H.”

Question #23: In drawing 5/17, 107H mark belongs to two (2) different members. In "CORTE G - G".

Answer: As stated by the structural designer of the project: “Element marked 107H in “CORTE G-G” is wrong, it shall be 108H. Members shown as 107H in layout view are correct”

Question #24: In drawing 4/17, weight per meter for member 51H shall be modified to 12.2kg/m.

Answer: As stated by the structural designer of the project: “That is correct, the weight shall be changed.”

Question #25: In drawing 3/17, SP1H mark belongs to two different members. In "TRAMO 11".

Answer: As stated by the structural designer of the project: “The Drawing indicates in a correct manner member SPH1 and others.”

Question #26: The diameter of the hanger ABH in drawing 3/17 has not been specified. Please provide complete information of this element.

Answer: As stated by the structural designer of the project: “In the drawing that element indicates the specific reference for the pipe diameter. This is enough in order to identify and to include that piece”

Question #27: In the designs, no specific design for rain water and storm water is shown. Shall the contractor design this system? Is there any comment or specific recommendation from the designers or COLNAV on this issue?

Answer: No storm drainage system is included in the scope of the project.

Question #28: About the security study done for COLNAV, during the pre-proposal conference held on June 21st it was stated that regarding this cost, an estimate value was to be given since this study is to be performed by specific professionals. Please comment on this specific item.

Answer: COLNAV has not yet confirmed the exact cost of the security study, but the approximate cost will vary between COP \$60,000 – COP\$100,000 for each person. However this study shall be done to only the key personnel on the project site that will be engaged during the complete project life cycle (Field superintendent, Project director, Foreman, warehouse chief, etc.), not to personnel that will be at the project in small periods of time.

Question #29: Within the electrical scope, we see that two (2) generators are to be installed for providing power to the towers. Are these items to be supplied by the Contractor or will they be

supplied by INL/COLNAV or an external contractor? If so, where are these items located and where will they be delivered in order to calculate a cost estimate?

Answer: The contractor is not responsible for providing the Generators however all infrastructure, concrete base, anchors, wiring, conduit, fuel piping etc. are to be provided by the contractor.

Question #30: What is the height difference between the point where the Bahia Solano Tower will be installed (top of Cerro Mutis) and the Municipality of Bahia Solano?

Answer: It is the offeror responsibility to collect this type of information that they find relevant to them during the site visit performed on June 28, 2013. However the approximate height difference between Cerro Mutis and Bahia Solano is about 1950 feet.

Question #31: During the Site Visit, we could not verify the existence of a transformer to feed the towers neither in Pizarro nor in Bahia Solano. The electrical scope of work mentions furnish and install power supply for the low voltage equipment only. It also mentions the installation (USG to supply) of two generators. We assume that there is a transformer already existent in both locations which are available to supply the power needed for the radar towers. Therefore, Power supply for the towers is not part of the project scope of work. Please confirm.

Answer: There are no transformers available at the sites; the power for the project shall be supplied by Generators which are not part of the scope of this project.

Question #32: Please confirm the excavation depth for the foundation of the towers in both Pizarro and Bahia Solano.

Answer: The depth of the excavation for the footing system is 2.50 m, measured from the existing ground level.

Question #33: Fuel supply tank for the electric plants is not contained on the solicitation. Please provide design or specifications to build it.

Answer: An amendment is being issued reflecting this information.

Question #34: Thickness of slab foundation is specified on 0.1m in drawings and 0.2m in bidding chart. Please clarify.

Answer: The thickness of the sub-floor concrete slab is 0.20 m.

Question #35: Bidding chart numbering doesn't match with items numbering in technical specifications. Please clarify.

Answer: The numbering of the bidding chart is not required to match with the ones in the technical specification. The contractor shall review the complete scope of the project to make sure he includes all items required since this will be a fix-firm contract.

Question #36: Faraday's cage shall be installed all over the shelter?

Answer: An amendment is being issued reflecting this information.

Question #37: Specifications of the thunderbolts counter are required.

Answer: An amendment is being issued reflecting this information.

Question #38: Please clarify union metal plates and brackets are specified as ASTM A-572 in drawings, but ASTM A-36 in technical specifications, which prevails?

Answer: The applicable specification for the metallic components of the tower is:

- ASTM A-36 jointing metal plates and supports.
- ASTM A-572 Metallic angles (frames).

Question #39: Consider a new due date because answer to questions are pending and new requirements included in Amendment 5, that requires time and reviews to quote those new activities in accordance with drawings and specifications will be published.

Answer: Solicitation Amendment A005 extended the due date for proposals to Wednesday, August 7, 2013. The revised due date took into consideration the time it will take to respond to the questions and to provide the revised drawings and amendments.

Question #40: We would like to know technical reason to install air conditioning and air extractors in the RBS Shelter, if possible.

Answer: This is a construction project only, not design/build. The contractor shall follow subsection 2.01.06 and 2.01.05.03 of the technical specifications.

Question #41: Please clarify in what item we have to include the cost of the concrete slab and concrete walls for fuel containment, where the fuel tank is planned to be installed.

Answer: This shall be included as part of item 1.03.04 and 2.03.04.

Question #42: In accordance with previous questions, please clarify, if COLNAV cannot provide support if there is an emergency in the project (especially safety), do we need to include additional potential time for the helicopter. This is applicable especially for the Cerro Mutis site.

Answer: The contractor shall follow the technical specifications and solicitation documents of the project to confirm what is stated inside the scope of the project.