

Contractor Questions
For
Solicitation No. SCO150-13-R-N016
Mariquita Lodging Building

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: Una vez analizado todos los documentos para el proceso del asunto, solicitamos se incluya experiencia propia, la cual se puede validar con licencias de construcción, certificados del revisor fiscal e interventor, adicionalmente requerimos los archivos en AUTOCAD.

Answer: As specified in the solicitation Sub-Section L.5.2.2 – Part D, The contractor shall provide a list of a minimum of three (3) projects successfully completed on budget within the past four years that are similar in nature, materials, design and extent to the work specified in this solicitation. The projects may be contracts for the U.S. Government or other clients.

If you plan to use sub-contractors, for those who will perform more than 10% of the work for this project, provide the same documentation required by this section that demonstrates their experience relevant to the works planned to be assigned to them under the respective subcontracts.

Clearly demonstrate relevant experience, previously performed or currently being performed, of the type, volume, complexity, and scope of work comparable to the work required by this solicitation.

Question #2: On page 1 Item 3.1.2 of the Breakdown, it reads “Concrete for 40x25 foundation beams”. This differs from Structural Drawing S-1 showing a 25x30 foundation beam. Which dimension is the correct one??

Answer: As stated by the structural designer of the project: “The correct dimension is 25x30 as shown in drawing S-1”

Question #3: In Chapter 11 of the Breakdown sheet, a masonry bench for niche is requested to be measure, calculated and to estimate its cost. However, in the drawings and technical specifications there are not any item which explains where it is located and how to develop it.

Answer: The contractor shall follow section 3.5.3 of the technical specifications and detail T3 on drawing Ad-2

Question #4: On page 14, Item 2.3.1 of the Technical Specs, describes a concrete slab 0.15m thick for the parking lot. This differs with drawing U-3 showing parking lot in asphalt, as well as Item 3.2 on the Additive Alternate No. 2 of the Breakdown: “Asphalt platform. Base thickness=0.09m. Surface thickness=0.08m”. Which one is the correct one?

Answer: The “Asphalt platform. Base thickness=0.09m” is the correct one.

Question #5: There is an existing covered motorcycle parking within the parking lot area. Will the cost of dismantling said structure be part of the proposal?

Answer: The item of the dismantling of this structure is part of the scope of the project.

Question #6: On page 2 Item 5.3 and 5.4 of the Breakdown, it reads “Superboard e=1,5 cm for access eaves”. Which is the difference between those items?

Answer: Item 5.3 of the breakdown chart refers to superboard by square meter (m²) and item 5.4 refers to superboard by linear meter (m).

Question #7: There is no “Two-face drywall linear 12 cm e/12 cm with two coats of paint” on Drawings. Could you specify where this is located?

Answer: On the solicitation documents there is not “Two-face drywall”. This item refers to linear 12 mm drywall installation.

Question #8: On page 4, Item 10.1 of the breakdown, it reads “Simple roof tiles in aluzinc c = 24 Ref 500 c or its like. It includes labor and transportation. Include. Of Hunter Douglas or equivalent. Include Fiber glass wool with paper 3 1/2”, specification differs with architectural drawings that describes “C-26 aluzinc single roof Hunter Douglas or equivalent”. Which is the gauge required?. Ref-500c doesn’t allow fiber glass wool. Do you require simple roofing or including fiber glass wool with paper 3 1/2?

Answer: What is required for the is simple roofing including fiber glass wool with paper 3 1/2-inch, and the gauge shall be C=26.

Question #9: On page 14, Item 2.3.1 of the Technical Specs, the document makes reference to “the soil study attached to this report”. As of this moment there is no soil study available for review. Could this study be provided in order to make a better estimate of the foundation depths and materials quantity?

Answer: This is a construction project only, not design/build. The contractor shall follow the technical specifications and drawings for these matters.

Question #10: On page 55, Item 4.2.1 of the Technical Specs: “Simple roof in Hunter Douglas Aluzic 500C or its equivalent”, it reads “Around the perforation, a SikaBond-520 E type fast-drying mounting adhesive or its equivalent shall be applied to restrict the movement of the anchors with respect to vibration.” Sika bond-520 E is employed to avoid the use of metal fasteners. Could you confirm the use of this adhesive?

Answer: For information only, this adhesive shall be used as recommended by the manufacturer to avoid movement produced by the vibration generated by aircrafts.

Question #11: The volume of backfill (SBG-1 or SBG-2 Granular Subbase) is unknown since the building level 0 is not indicated with respect to current topography. Please clarify what would be the level 0 of the project in order to estimate the volume of fill material as this is an important cost item?

Answer: Level 0 is equal to 469.00 masl as shown in the urban and architectural drawings.

Question #12: RETIE Certification: According to article 44.6.3 of RETIE, electrical installations for military or police lodging, and in general those which demand reserve because of national security issues, RETIE certification requirement is waived (**not required**). Please clarify which is the requirement in this case?

Answer: The Contractor shall not be exempt of the RETIE certification requirements.

Question #13: Administrative procedures before Enertolima: for connection of the electrical system to the local utility network, is it required to do administrative procedure before local utility (Enertolima)? Such as approval of feasibility, medium voltage network designs, delivery documents for job acceptance and connection to the medium voltage network?

Answer: As literally stated by the electrical designer of the project: (In Spanish in order not to change the meaning of his statement)

“La competencia de Enertolima o de cualquier Agente del sistema Interconectado Nacional se termina en el medidor.”

“14.17. -Red local. Es el conjunto de redes o tuberías que conforman el sistema de suministro del servicio público a una comunidad en el cual se derivan las acometidas de los inmuebles.

(...)

14.1.- Acometida. Derivación de la red local del servicio respectivo que llega hasta el registro de corte del inmueble.

(...)

14.16.- Red interna. Es el conjunto de redes, tuberías, accesorios y equipos que integran el sistema de suministro del servicio público al inmueble a partir del medidor.

14.25.- Servicio público domiciliario de energía eléctrica. Es el transporte de energía eléctrica desde las redes regionales de transmisión HASTA el domicilio del usuario final, incluida su conexión y medición. También se aplicará esta Ley a las actividades complementarias de generación, de comercialización, de transformación, interconexión y transmisión.” Ley 142 de 1994

De tal forma que como el trabajo que se está desarrollando se encuentra en la red interna y no se está superando la carga contratada que tienen con Enertolima, por tratarse de unos trabajos en el interior de la Base, después del medidor, no requieren trámite ante Enertolima.

Si como usuarios de Enertolima les solicitan a Enertolima que les certifique la demanda máxima medida y el momento cuando esta se presentó y a su vez conociendo la carga contratada, se podrá conocer el margen de KVA que existe entre estos dos datos. La anterior información no la puede obtener nadie que no se parte del contrato de Servicios Públicos Domiciliarios de Energía Eléctrica.”

Question #14: Pad Mounted Transformer: The pad mounted substation shown on electrical drawings (77-E-5) shall be loop feed or radial feed type?

Answer: As literarily stated by the electrical designer of the project: (In Spanish in order not to change the meaning of his statement)

Es una subestación en derivación, por lo cual se puede identificar la conexión como radial.

Question #15: Automatic transfer: it can be provided the automatic transfer to base with thermomagnetic breakers and motorized modules (it's much more economical than a transfer to base with contactors)?

Answer: This is a construction project only, not design/build. The contractor shall follow the technical specifications and drawings for these matters.

Question #16: DPS: It is not clear how the Transient Voltage Surge Suppressor device (DPS - Dispositivos de Protección contra Sobretensiones) will be installed, inside or outside the Main Distribution Panel Board. Should it carry thermomagnetic protection? What would be its capacity? Please provide more information and/or supply installation details.?

Answer: As literarily stated by the electrical designer of the project: (In Spanish in order not to change the meaning of his statement)

“Tal como está expresado, coincide con la Guía Codensa CTS 524.1 y con la Guía de Enertolima que dejamos incluida en el plano E-5.

Está conectado a 13.2 KV y no lleva ninguna protección termomagnética.”

Question #17: Emergency Gen Set: On chapter 6.1.1. “*Electricity Generation System for Emergency Electrical Plant*” of the technical specs, it is mentioned that a generator rated at Tuluá-Valle’s elevation should be installed and that it should be 225kVA effective. Please clarify because specs and drawings mention a 150kVA generator?

Answer: The sentence in question had a typographical error; it should read “An electricity generator that has an effective capacity of 150KVA/120 KW shall be provided and installed will supply electricity services at level of Mariquita, Tolima.”

Question #18: Lightning Protection System: According to experience, it is advisable to connect all down conductors on the roof of the LPS – Lightning Protection System (SIPRA - Sistema de

protección contra Rayos), because the Air Terminal of the left bottom side of the plan in case of a direct discharge would only have one way to ground (it appears there is no down conductor on this point “see grounding detail”) as recommended by NTC 4552-3?

Answer: The contractor shall carefully review Sub-Section 3.7.15.6 and 3.7.15.7 of the technical specifications and review the electrical drawings. The lighting protection system is actually interconnected and it is installed along the perimeter of the roof cover. There are designed down conductors and through these conductors it will interconnect the grounding system.

Question #19: Grounding: due form in "T" of the grounding system, it is recommended to install a square grounding system perimetral to the building and that attached all LPS down conductors. This would provide three benefits:

- It lowers the resistance value of the grounding, further minimizing the risk of pass and contact voltage.
- It bonding all down conductors and allows more paths to earth of the lightning.
- It eliminates the risk of dangerous tensions for people inside the building, by eliminating the conductor going through the middle of the structure.

According to the grounding system design (which we don't have but is assumed to exist), is it necessary to employ artificial soil of low resistance?

According to the Specs, grounding bus bars (equipotential grounding barrage) shall be installed. Where and how should be installed. Please expand information and provide an assembly detail.

Answer: This is a construction project only, not design/build. The contractor shall follow the technical specifications and drawings for these matters.

As literarily stated by the electrical designer of the project: (In Spanish in order not to change the meaning of his statement)

Tal como está diseñada consideramos que es lo correcto.

Según las cantidades de obra en el ítem de puesta a tierra figura:

Ítem	DESCRIPCIÓN	Unidad	Cantidad	Vr. Unitario	Vr. Parcial
2	PUESTA A TIERRA				
	Dentro del precio de este ítem, se debe incluir la medida de la tierra una vez quede ejecutada y aportar los informes de resistencia a tierra que				

	exija el Operador de Redes.				
	En los precios unitarios se incluirá la incidencia correspondiente a su medición y a los cálculos de la resistencia a tierra que requiera el Operador de Redes en el proceso de aprobación del proyecto, tal como lo estable el Retie.				

No entendemos a que se refiere el comentario sobre los barrajes equipotenciales porque en lo correspondiente a nuestro diseño, no incluíamos barrajes equipotenciales de tierra.

Question #20: Lighting: Please attach technical catalogs of lights chosen on the design, because on drawings, loads chart, and specs it is not clear which is the model, reference, light type and bulb. Please provide technical catalog that serves as a guide to quote all lights. Please provide installation and connection details for each light to be installed.

- Embedded cone lamp, (15cm diameter 2x26W)
- Phillips 110V fluorescent lamp
- 20cm wall mounted tortoise with a protector mesh
- 50W 110V fluorescent tobacco type lamp.

Answer: As literarily stated by the electrical designer of the project: (In Spanish in order not to change the meaning of his statement)

En nuestro diseño está claramente especificado las luminarias:

- - Tensión de operación
- - Tipo de fuente
- - Tipo de potencia
- - Característica principal (tipo de luminaria)

En cualquiera de los casos se da por entendido que deben ser luminarias de muy buena calidad.

Question #21: TV Outlets: There are no technical specs for the television system. Is it required to install coaxial cable? What characteristics should it have? TV antenna and amplifiers shall be provided by contractor? What technical features should these elements have?

Answer: The TV antenna and amplifiers, as well as the coaxial cable are not included in the scope of the project. The offeror shall only include the piping and connection boxes for this item, leaving a pull wire to allow a future cable installation.

Question #22: Fire Detection System: Please broaden information on the wireless fire detection system. Should the system have a control panel and announcing? Please provide technical sheet of the equipment chosen, to be able to get a quote on them?

Answer: As specified in Sub-section 3.7.15.8, there is no need for control panel and announcing.

Question #23: Attachments: On the specs, the document “ESPECIFICACIONES Y CRITERIOS GENERALES DE REDES DE ENERGÍA ELÉCTRICA” is mentioned. Please attach said document?

Answer: This document will be attached to the present amendment.

Question #24: In accordance with subject solicitation we would like to know if is required to process permits to construct the building in Mariquita Base, and if yes, who is responsible to process those?

Answer: This is a construction project only, not design/build. All permits for the construction of the project are responsibility of the Colombian Navy (COLNAV), and for this reason permits are not part of the scope of the contract.

Question #25: To be certain about the best way to be evaluated for the proposal, we want to know if we organize a consortium and / or joint venture, each one of the members must be registered as a contractor at the embassy, or is sufficient that one of them have it in place.

Answer: It is not a requirement that companies register with the Embassy for the purpose of submitting a proposal. However the legal papers of the conformation of the joint venture or the consortium shall be included in the proposal.

Question #26: In the same way, when you apply for getting the the DUNS number, in the portal they report that this number is assigned thirty (30) business days after making the request. This time clearly exceeds the delivery deadline of the proposals.

In this last case, may the proposal be submitted if the registration requirement is still pending?

Answer: That is correct. It is not a requirement to have a DUNS number prior to submitting a proposal.