Ministério das Finanças
e do Fomento Empresarial
Unidade de Gestão
de Projetos Especiais

# UNIDADE DE GESTÃO DE PROJECTOS ESPECIAIS

CABO VERDE TECHNOLOGY PARK – PHASE II

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| **IFB Number:** | 014/CVTP-II/UGPE/2024 |
| **Purchaser:** | Unidade de Gestão de Projectos Especiais (UGPE) \| Ministério das Finanças e do Fomento Empresarial |
| **Project:** | Cabo Verde Technology Park (CVTP) – Phase II |
| **Contract title:** | Photovoltaic Solar Micro Production System for Self-consumption in the Cabo Verde Technology Park (CVTP) – Praia - Phase II |
| **Country:** | Republic of Cabo Verde |
| **Loan No. / Grant No.:** | 2000200005602 |
| **Procurement Method:** | Open Competitive Bidding (International) |
| **OCBI / LCB No:** | GDS4 |

## CLARIFICATION # 1

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| Question | Page | Section | Question | Answer |
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| Q 01 | | | ITB 14.6: At the above-mentioned clause of the Bid Data Sheet, it is stated the following: “option 1: i) Bids are invited for individual item(s): Bidders have the option to bid for one or more items. Bids shall be evaluated, and contract(s) awarded item-wise taking into account discounts offered for combination of items”<br>Considering the importance of the integration and compatibility among the components of under the tender, we would like to kindly ask you if the award shall be on a lot basis rather than item-by-item. | This tender is for a single lot and the contract will be awarded to the bidder offering the lowest evaluated cost to the purchaser for all items combined. (See It 35.2 (a) Amendment no. 01 to Bidding document 014/CVTP-II/UGPE/2024) |
| Q 02 | | | System Design and Layout: Design criteria or constraints? For example, are there limitations on the size, orientation, or placement of the solar panels that might impact system efficiency? | The requirements for the equipment to be supplied, as well as the requirements for its installation, are defined in document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**. |
| Q 03 | | | System Design and Layout: How is the load analysis conducted? Does the document specify the expected load and how the system will meet that load? | The size of the solar PV system was designed to maximize the self-consumption of the Tech-Park infrastructures, taking into account their energy demand. |
| Q 04 | | | Electrical Design: Are the electrical connections and wiring plans detailed? Ensure that the document specifies the type of wiring, conduit, and connections to be used, including grounding and protection against electrical faults. | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, are all the technical specifications of the solar photovoltaic system to be supplied. |
| Q 05 | | | Electrical Design: Is there a detailed single-line diagram? This should show how all components are interconnected, including any grid connection or backup systems. | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, Drawing 05 contains the interconnection details for the solar photovoltaic system to be implemented. |
| Q 06 | | | Structural Considerations: Are there any structural engineering requirements for mounting systems? This includes the type of racking or mounting to be used, especially if the system is roof-mounted. Are the load calculations and wind resistance factors accounted for? | The calculations of the support structures, wind action and anchorages must be carried out by the Contractor, in accordance with the materials proposed, presenting a simulation study of the structural strength, taking into account the weight of the panels, the external factors of the site (local wind load). |
| Q 07 | | | Structural Considerations: How does the document address the impact of weight on existing structures? If the panels are roof-mounted, does the document discuss how the roof will handle the additional load? | The calculations of the support structures, wind action and anchorages must be carried out by the Contractor, in accordance with the materials proposed, presenting a simulation study of the structural strength, taking into account the weight of the panels, the external factors of the site (local wind load). |

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| Q 08 | | | Structural Considerations: What are the anchoring or support requirements? Ensure that the document specifies how the panels will be securely fastened to withstand environmental factors like wind and seismic activity. | The calculations of the support structures, wind action and anchorages must be carried out by the Contractor, in accordance with the materials proposed, presenting a simulation study of the structural strength, taking into account the weight of the panels, the external factors of the site (local wind load). |
| Q 09 | | | Performance and Efficiency: Are there any specific performance guarantees? Does the document specify the expected energy yield, and are there penalties for not meeting these performance metrics? | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements,** no item **12. TECHNICAL SPECIFICATIONS OF THE EQUIPMENT,** the minimum performance guarantees that the equipment must have are defined, otherwise it will not be accepted and/or will have to be replaced in the event of early degradation. |
| Q 10 | | | Performance and Efficiency: How is system efficiency addressed? Are there any design features or technologies mentioned to enhance the efficiency of the system, such as tracking systems or optimized inverter settings? | This project does not foresee the use of any resources or technology to increase the efficiency of the system. |
| Q 11 | | | Safety and Compliance: Is there a section on system protection? This includes lightning protection, surge protection, and the safe shutdown of the system in case of an emergency. | The protective earthing system and equipotential bonding must meet the following requirements:<br>• All masses in the installation that are susceptible to overvoltage must be duly earthed, by means of a conductor of suitable cross-section, with reference to the **IEC 61643-1 and IEC 60364-5-54** standards;<br>• The connection terminals to be used for equipotential bonding must be chemically compatible with the respective earths;<br>• The earth electrodes must be equipped with connection clamps and have a minimum length of 1 meter and a copper coating with a minimum thickness of 250 μm;<br>• A protective earth resistance value of no more than 5 ohms must be guaranteed for the PV solar system;<br>• The earth measurement box must be properly equipped with a removable copper bar connector;<br>• The interconnection conductor between the earth electrode mesh and the earth metering box must be bare copper and of suitable cross-section;<br>• Support structures and porches must be connected to the solar field earth electrode using a conductor of suitable cross-section. |
| Q 12 | | | Integration with Existing Systems: Does the document specify how the photovoltaic system will integrate with existing electrical systems? This includes any requirements for synchronization with the grid, backup generators, or other power sources. | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, Drawing 05 contains the interconnection details for the solar photovoltaic system to be implemented. |

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| Q 13 | | | Integration with Existing Systems: Are there any challenges mentioned regarding the integration? For instance, is there a need for additional infrastructure to support the photovoltaic system, such as transformers or additional switchgear? | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, Drawing 05 contains the interconnection details for the solar photovoltaic system to be implemented. |
| Q 14 | | | Testing and Commissioning: Are the testing and commissioning procedures outlined? Ensure that there are clear guidelines for testing the system after installation, including performance tests and safety checks. | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, the procedures for testing and commissioning the equipment and the system in general are described. |
| Q 15 | | | Testing and Commissioning: What are the criteria for system acceptance? This includes the conditions under which the system will be considered complete and ready for handover. | The work is accepted if all the requirements set out in the document have been met in full. **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1,** for the supply, installation and commissioning of equipment and the system in general. |
| Q 16 | | | Future Expansion or Upgrades: Is there provision for future expansion? If the Tech Park plans to expand the photovoltaic system in the future, does the document mention how the current design will accommodate this? | For this phase of the project, the proposals to be submitted under this call for tenders should not take into account any constraints related to the future expansion of the solar PV system. |
| Q 17 | | | Future Expansion or Upgrades: Are there any upgrade paths discussed? For instance, the possibility of integrating more advanced technology as it becomes available. | For this phase of the project, the proposals to be submitted under this call for tenders should not take into account any constraints related to the future expansion of the solar PV system. |
| Q 18 | | | System monitoring: Is there any existing monitoring system? if there's is already a building management system where the solar system can be integrated. | The solar PV system must have its own monitoring system, meeting the technical specifications set out in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1,** section **Part 2 – Supply Requirements**. |
| Q 19 | | | System monitoring: Is it online monitoring system or local monitoring system? | The solar PV system must have its own monitoring system, meeting the technical specifications set out in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1,** section **Part 2 – Supply Requirements**. |
| Q 20 | | II | ITB Reference – ITB 19.1 bid security please clarify if bid securing declaration shall be expected. Can bid Security issued by Insurance Company. | Please comply with 19.1 ( See Amendment no. 01 to Bidding document 014/CVTP-II/UGPE/2024) |
| Q 21 | | II | ITB 25.1 – Please when will the electronic bid opening procedure be sent or we should sent by the emails provided with password protection. | Please refer ITB 22.1 |
| Q 22 | | II | ITB 14.9 - Kindly clarify Vat exception if it has to be Carbo Verde Technology Park should be consignee of the goods to be benefiting the Vat exception. Or the bidder can easily be exempted the Vat as the Consignee. | The UGPE will send a copy of the declaration of exemption to the winner of the competition, so that when the equipment is cleared through customs they can present it to the customs service. |
| Q 23 | | II | What is the withholding tax percentage eg. Revenue tax and service rendered withholding tax. Ghana withholding tax of goods supply is 3% and service rendered is 5% withholding tax. What of Carbo Verde. | it is up to the competitor to check this information with the responsible services |

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| Q 24 | | | Can you provide detailed schematics or layouts for the system design? | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, Drawing 05 contains the interconnection details for the solar photovoltaic system to be implemented. |
| Q 25 | | | What are the specific electrical and structural requirements for the installation? | The installation specifications can be found in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, in section **Part 2 – Supply Requirements.** |
| Q 26 | | | Are there any performance guarantees or penalties for not meeting energy yield targets? | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements,** no item **12. TECHNICAL SPECIFICATIONS OF THE EQUIPMENT,** the minimum performance guarantees that the equipment must have are defined, otherwise it will not be accepted and/or will have to be replaced in the event of early degradation. |
| Q 27 | | | How will the system integrate with existing electrical infrastructure, and are there any known challenges? | In the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements**, Drawing 05 contains the interconnection details for the solar photovoltaic system to be implemented. |
| Q 28 | | | Is there flexibility in the choice of components, or must specific brands or models be used? | The equipment must meet the technical requirements set out in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1**, **Part 2 – Supply Requirements,** in item **12. TECHNICAL SPECIFICATIONS OF THE EQUIPMENT.** |
| Q 29 | | | How does the system account for potential future expansion or technological upgrades? EV charging station. | For this phase of the project, the proposals to be submitted under this call for tenders should not take into account any constraints related to the future expansion of the solar PV system. |
| Q 30 | | | Any specification of the building management system available? if not, kindly provide us with the specification required. | The solar PV system must have its own monitoring system, meeting the technical specifications set out in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1,** section **Part 2 – Supply Requirements**. |
| Q 31 | | | Key Areas to Review: Lead Times: Are the expected lead times for critical components mentioned? Are they realistic given the project timeline? | Yes |
| Q 32 | | | Key Areas to Review: Inventory Management: Is there a plan for managing and storing components before and during installation? | Yes |
| Q 33 | | | Questions to Ask: What are the expected lead times for critical components, and are these aligned with the project timeline? | Yes |
| Q 34 | | | Questions to Ask: Are there any specific storage requirements for components before installation? | No |
| Q 35 | | | Legal/Key Areas to Review: Compliance with Local Laws: Are there any specific local laws or regulations mentioned that must be complied with, particularly related to environmental impact and safety? | No |
| Q 36 | | | Can you provide detailed information on the warranties and guarantees for all components and workmanship? | all guarantees and certifications must be delivered together with the components and in accordance with the technical specifications for each component described in the technical specifications chapter |

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| Q 37 | | | Who is responsible for obtaining permits and ensuring compliance with local laws and regulations? | It is the responsibility of the winner of the competition to provide any documentation necessary for the delivery of all material. However, the project management team will assist with any issues with national institutions. |
| Q 38 | | | Construction: Key Areas to Review: Construction Schedule: Is there a detailed construction timeline with clear milestones? | If the question refers to the construction of the buildings where the system required in the tender will be installed, it can be considered that the buildings are already built. With regard to the implementation schedule for this project, which is the subject of this tender, the tenderer's technical proposal must include a clear plan for implementing the project. |
| Q 39 | | | Construction: Key Areas to Review: Site Preparation: Are there specific requirements for site preparation before installation begins? | No |
| Q 40 | | | Construction: Key Areas to Review: Safety Protocols: Are there clear safety protocols in place for the construction phase, including PPE requirements, emergency procedures, and site access controls? | No |
| Q 41 | | | Construction: Key Areas to Review: Quality Control: How will quality be ensured during construction? Are there specific inspection points or quality control measures mentioned? | There will be a local supervision team that will technically monitor implementation |
| Q 42 | | | Construction: Key Areas to Review: Construction Risks: Are potential risks (e.g., weather delays, unforeseen site conditions) identified, and are there plans to mitigate these risks? | No |
| Q 43 | | | What are the specific site preparation requirements before installation begins? | No particular requirements, but implementation should be coordinated with the building owner and inspection team |
| Q 44 | | | What safety protocols will be in place during the construction phase, and who is responsible for enforcing them? | The protocols are the same as those normally applied on construction sites and the inspection team, which will include a safety technician, will carry out the inspection. |
| Q 45 | | | How will quality control be managed during construction, and are there specific inspection points we should be aware of? | The quality of the installation is guaranteed on the basis of inspection visits, supervision and testing of the equipment and/or services to be delivered within the scope of this tender and by issuing acceptance reports and opinions. |
| Q 46 | | | Are there any known risks associated with the construction phase, and what plans are in place to address them? | No |
| Q 47 | | | Can we get the Coordinates of the site or drone pictures because the images attached to the bid document are not clear. | See attached documents, Doc 1: Implantação Painel Solar TechPark CV and Layout Sistema FV Techpark CV. |
| Q 48 | | | Does the four buildings have LED lights inside. | Yes |
| Q 49 | | | Does the compound of all the 4 buildings having flood light or street solar lights. | No |
| Q 50 | | | When is the scheduled date for the on-site technical visit? | There's no site visit. |
| Q 51 | | | Will the tender be delivered in person or by email? | Please refer ITB 22.1 |

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| Q 52 | | | Can the tender documents be digitally signed? | UGPE, as a fiduciary agency of the Government of Cape Verde operating under World Bank procedures, currently does not have an automated system for document management, including the ability to accept digital signatures. We request that proposals be submitted through accepted methods, such as physical submission or via email with scanned handwritten signatures. Compliance with these established procedures is essential to ensure transparency and fairness in the procurement process. |
| Q 53 | | | Is the tender opening in person or online? | Please refer ITB 25.1 |
| Q 54 | | | What is the budget allocated for the installation of this plant? | Information not available |
| Q 55 | | | The documents required for personas working with a factory who wishes to participate.<br>An Engagement letter to provide any missed documents. | Please see the specifications required for the technical team, and send the documents proving these specifications |
| Q 56 | | | Unless I missed it, I haven't seen any Preparatory meeting that has already taken place or is scheduled. Is that correct?" | There's no site visit. |
| Q 57 | | | …"clarify a point Eligibility of the Bidder Under the ADB & NTF Financing 2b) of the appendix 2 to general conditions: Eligible Countries (attached to your reference).<br>In section 2. the eligibility of the bidder based on their nationalit" | Please refer the link New procurement framework \| African Development Bank Group (afdb.org) |
| Q 58 | | | Civic center is not identified on drawing 3 and drawing 4. Could you please confirm where is located the Civic center on these drawings? | Civic center is named conference center in the drawing. see attached drawing |
| Q 59 | | | could you precise where is located the Technology Park transformer station (PT) on the drawing 3 and 4? | See attached files "TechParkCV.pdf" or "Technologic Park.kmz" |
| Q 60 | | | Is it possible to get DRAWING n°5, inserted in page 132, in high resolution? It is difficult to read text in the drawing (cables sections, protection ratings, …) | See attached drawing "Layout Sistema FV Techpark CV_v1" |
| Q 61 | | | is it possible to perform a site visit in the coming days? And/or get more details about roofs where PV modules shall be installed? Pictures? Type of roof? flat or tilted? If flat, possibility to anchor with anchor bolt or not? If tilted, type of roof structures? Metal or wood? Details of roof structures / drawings and distance between profiles to anchor the solar structure? From drawing 1 and 2, we could understand that only concrete flat roof must be considered. | It will not be allowed to drill into the slab of the buildings, so precast concrete footings must be provided to support the structure. The panels will be at the height of each building's parapet, which reduces the wind's action on the structure. |

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| Q 62 | | | Can you confirm that the porch will be installed on the roof of the incubation center? Or others? If yes, what is the type of roof and sizes? Is there recommendation to anchor the porch on the roof? Are there any pictures available? | It will not be allowed to drill into the slab of the buildings, so precast concrete footings must be provided to support the structure. The panels will be at the height of each building's parapet, which reduces the wind's action on the structure. |
| Q 63 | | | 60 meters of new trenches and only 1 manhole are required. Can you confirm quantities? It seems underestimated. | see the number of manholes (caixa visitas) in the attached drawing |
| Q 64 | | | Is there any specific requirements for the wind loads and standards to consider for structural calculation notes? | It is the competitor's responsibility to check the history of atmospheric conditions at the location where the equipment will be installed |
| Q 65 | | | Electrical design (preferably the power distribution diagram and switchboard diagrams; | See attached drawing “Layout Sistema FV Techpark CV_v1” |
| Q 66 | | | Roof plan of each building; | See Question Q 71 |
| Q 67 | | | In the single-line diagram entitled ‘Drawing 05’ in the tender documents, could you provide the file in the best possible resolution? (*In the document the information in the diagram is not clearly visible) | See attached drawing “Layout Sistema FV Techpark CV_v1 |
| Q 68 | | | The Bank Guarantee must be sent together with the other tender documents? | Please refer the point 7 for Invitation for bids. |
| Q 69 | | | If you are an international company and do not have a building licence in Cape Verde, but you do have a licence in Portugal, you can take part in the tender? | Yes. the competition is international so contestants don't need to have local licenses |
| Q 70 | | | Is it possible to use Area 2 instead of Area 1 to place photovoltaic modules, since Area 1 has many obstacles   | No. You must use the area indicated in the documents. There aren't many obstacles, some of the white boards on the roof are precisely to facilitate the installation of the panel structure. |

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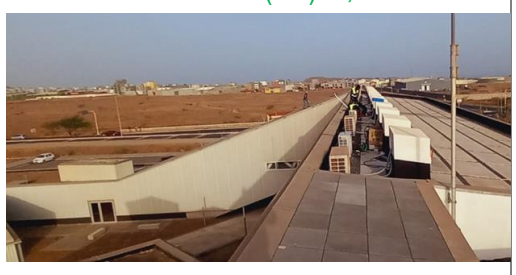
| Q 71 | | | Buildings<br>○ Hight of each building;<br>○ Type of roof - looking at the satellite images of the buildings, there seems to be a concrete flat roof with a water proof screen. Could you please confirm and inform on the rooftop's infrastructure?<br>○ There seems to be a parapet in the buildings roof top. Please confirm. In the affirmative case, kindly inform on the correspondent heights (specs);<br>○ Are there any technical rooms (per building), where the inverters and the electrical switch board can be installed? | • Hight of each building<br>○ BUSINESS CENTER (BC): 11,58 m;<br>○ CIVIC CENTER (CC): 12,27 m;<br>○ INCUBATION CENTER (IC): 17,82 m;<br>○ TRAINING CENTER (TC): 8,88 m.<br>• Type of roof<br>○ The roofs on which the solar panels are located are made of concrete slabs;<br>○ The metal structure footings for the panels must be fixed to the concrete slabs, avoiding puncturing the thermal insulation and the asphalt fabric.<br>• There seems to be a parapet in the buildings roof top (…)<br>o Yes, there are platbands on the roofs of buildings and the solar panels must not exceed their height, i.e. they must be at the same level;<br>Below is the height of the Platibands where the solar panels are located:<br>**BUSINESS CENTER** (BC): 0,40 m<br>  <br>**CIVIC CENTER (CC): 0,25 m;**<br>  <br>  <br>**INCUBATION CENTER** (IC): 1,47 m<br>  <br>**TRAINING CENTER** (TC): 0,27 e 0,62 m (sloping roof). |

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| | | | |  <br>• Are there any technical rooms (per building)<br>YES there are |
| Q 72 | | | Drawings<br>○ The detail of the drawing 05 is not fully visible. Could you provide a clearer and detail version? | See attached drawing “Layout Sistema FV Techpark CV_v1” |
| Q 73 | | | Survey<br>○ In order to ensure a thorough understanding of the project's scope, is it possible to perform a site survey? | No site survey |
| Q 74 | | | While this IFB is labelled as a an “IFB for Goods”, it also mentions “Installation Works”. Could you clarify if this IFB encompasses both goods and installation, or if is restricted to goods only ? | Is supply, installation, testing and commissioning |
| Q 75 | | | Will the selected bidder benefit from a custom tax exemption ? | Please refer ITB 14.9 (a)(iii), (b)(ii) and (c)(v) |
| Q 76 | | | Could you share to us a Word version of the Bidding Document ? This would make the bid preparation process way easier for us. | We are sending the big forms in word format. However, is the published and original version, which is PDF, that prevails. |
| Q 77 | | | First question is the location. Could you please send me the Google Maps point? | See attached drawing “TechParkCV.pdf” and “Technologic Park.kmz” |
| Q 78 | | | The electrical drawing. Is it possible to get it separated? Because it is difficult to see the words written inside | See attached drawing “Layout Sistema FV Techpark CV_v1.pdf” |
| Q 79 | | | For the budget. Do you only need the contract price, or you need unit prices? | both of them |
| Q 80 | | | From drawing 5, we understand that 3 units of AC protection boards are required and 1 unit of PV solar system AC interconnection board. Do you confirm?<br>In the drawing 5, there are 3 AC circuit breakers after the solar inverters at the top of the drawing. It is not clear how they will be integrated. It seems that these 3 solar inverters, at the top of the drawing, will be located in the same technical room that the PV solar system AC interconnection board. If yes, can we install the AC protection after these 3 solar inverters in the PV solar system AC interconnection board? | Yes, three AC switchboards are needed, which will be housed in the technical rooms of the Incubation Center, Training Center and Business Center buildings.<br>The AC switchboard for the interconnection of the solar PV system must be installed in the technical building of the Conference Center.<br>The three inverters at the top of the drawing should be installed in the technical house where the PV solar system's AC interconnection panel will also be installed, and their AC protection devices should be installed in the PV solar system's AC interconnection panel as shown in the drawings. |
| Q 81 | | | Location of the photovoltaic system's interconnection point (this can be done using an image on google maps or the building's floor plan); | See attached drawing “TechParkCV.pdf” and “Technologic Park.kmz” |

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| Q 82 | | | Location of the photovoltaic system's general AC switchboard; | The AC Protection Boards for the solar PV systems for the Incubation Center, Business Center and Training Center buildings will be housed in their respective technical houses.<br>The AC interconnection panel for the solar PV system will be housed in the technical building of the Conference Center and from this panel the cable will run to the injection point in the QGBT, located in the Infrastructure PT. |
| Q 83 | | | Location, calibre of the input/power circuit breaker and diagram of the electrical panel of each block where the photovoltaic system will be installed. If possible, share the power distribution diagram in the plant. | The values stipulated for the gauges of the system's protection devices are all specified in the layout of the solar PV system (**Drawing 05)**, in the document **014-BD_IFB_014-Photovoltaic-system-Tech-Park-1,** on **Part 2 – Supply Requirements**. section **VII – Schedule of Requirements.** |
| Q 84 | | | Electrical design (preferably the power distribution diagram and switchboard diagrams; | See Q83 |
| Q 85 | | | For each building where the photovoltaic system will be installed (Incubation Centre, Conference Centre, Training Centre, Business Centre) we need the following information: inclination of each structure and in the Incubation Centre building the height to be considered for the porch. | The slope and height of the porch and of each structure for installing the PV system must be as specified in the technical descriptions in the document. **014 BD_IFB_014-Photovoltaic-system-Tech-Park-1,** on **Part 2 – Supply Requirements**. section **VII – Schedule of Requirements, ponto 12. Technical Specifications of the Equipment (5- Porch)** |
| Q 86 | | | The location of the electrical panels in each building (Incubation Centre, Conference Centre, Training Centre, Business Centre), the general AC panel for the inverters, the UPAC interconnection panel, the interconnection location and the technical zones for installing the inverters can be seen in the image below:<br>  | See Q.82 |

# UNIDADE DE GESTÃO DE PROJECTOS ESPECIAIS

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| Q 87 | | | . Can you clarify the captions of the two lines shown in the image below?<br>  | The lines in the drawing are different colors because the light blue color refers to a trench to be built for the underground cables. The dark blue color, on the other hand, refers to the existing trenches in the Technology Park.<br>Cable routes - existing trenches (dark blue)<br>Cable routes - trenches to be built (light blue)<br>  |

**UGPE, September 20, 2024**