|  |
| --- |
| Question 1. Please provide the technical specifications of the existing solar plant (capacity, Solar panel type Wp & Make, inverter Capacity Make & Model, etc.) |
| Answer: The system feeds into a system controlled by the landlord. We do not have this information. The ITT provision is independent of the existing system |
| Question 2. What is the current configuration of the existing solar system (number of panels, inverter model, battery storage, etc.)? |
| Answer: See Answer to Question 1 but the array is 10 across 4 down from what we can determine |
| Question 3. Are you planning to integrate the new solar array with the existing system? If so, should the two systems work together or operate independently? |
| Answer: No |
| Question 4. Is there a monitoring system in place for tracking the performance of the existing solar system? |
| Answer: See answer 1 |
| Question 5. How do you envision the power distribution between the existing solar system, the new solar array, and the battery storage to support the two 22kW EV chargers? |
| Answer: We have no direct access to the power generated by the existing solar supply. The design of how the EV charges is undertaken should form part of your design submission. |
| Question 6. What is the current battery storage capacity (if any) available with the existing system? |
| Answer: See answer to question 1 and 6 |
| Question 7. Should the new battery storage be integrated with the existing storage to create a combined energy reserve, or should it be managed separately? |
| Answer: No |
| Question 8. What is the expected daily or weekly energy consumption of the EV chargers, and how should this be factored into the battery storage sizing? |
| Answer: We believe the requirement for the EV chargers will be for one small van and 1-2 staff vehicles. |
| Question 9. Can you confirm the current capacity of the existing electrical supply and whether it will be sufficient for integration with the new solar system and batteries? |
| Answer: See previous clarification |
| Question 10. Are there any special conditions or requirements for integrating the new solar system with your existing electrical infrastructure? |
| Answer: None |
| Question 11. Please provide electricity bills for better understanding. |
| Answer: As CSG has just taken occupancy we do not have any of these |
| Question 12. What is your typical daily electricity consumption (in kWh), Please provide the load profile. |
| Answer: This is unknow yet but is being discussed with the electrical supplier undertaking the rewiring of the facility |
| Question 13. How do you expect the solar array and batteries to meet your peak and off-peak energy demands? |
| Answer: Energy from the array and batteries will be exhausted before switching to the mains supply. |
| Question 14. Can you provide specifications for the existing electrical board that will need to be replaced? |
| Answer: See the previous clarification |
| Question 15. As the installation will involve the replacement of the existing electrical board, should the new panel support the integration of the solar system, battery storage, and the two 22kW EV chargers? |
| Answer: See the previous clarification |
| Question 16. Will the new electrical board need to accommodate any future expansions or additional electrical equipment? |
| Answer: See the previous clarification |
| Question 17. Do you have any preferences for a specific monitoring system to track PV generation levels? |
| Answer: No |
| Question 18. Do you require a central monitoring system that tracks both the solar energy production and the EV charging energy consumption in real time? |
| Answer: This has not been specified in the ITT. The supplier should determine and outline any potential benefit of this against the cost of providing it depending on the design submitted |
| Question 19. Should the monitoring system provide insights into individual charger performance and energy consumption? |
| Answer: This has not been specified in the ITT. The supplier should determine and outline any potential benefit of this against the cost of providing it depending on the design submitted |
| Question 20. Are there any specifications or standards that the bi-directional meter should meet? |
| Answer: No |
| Question 21. Do you require the bi-directional meter to integrate with the existing metering infrastructure? |
| Answer: No |
| Question 22. As the solar array will not feed electricity back to the grid, a bi-directional meter is required. Should this bi-directional meter be capable of monitoring both solar energy generation and the energy consumed by the EV chargers? |
| Answer: This has not been specified in the ITT. The supplier should determine and outline any potential benefit of this against the cost of providing it depending on the design submitted |
| Question 23. What are the typical operational hours of your plant & battery charger (e.g., daily, seasonal)? |
| Answer: 0800-1800 Typical 5 days a week |
| Question 24. Are there specific times during the day when higher electricity consumption is expected, such as during business operations or equipment usage? |
| Answer: No |
| Question 25. How often do you expect to use the EV chargers (daily, weekly, etc.)? |
| Answer: Daily |
| Question 26. Will the battery storage be required to support critical loads during power outages? |
| Answer: No |
| Question 27. Are there any particular loads that need priority backup power? |
| Answer: No |
| Question 28. What types of electric vehicles (EVs) will be primarily charged (e.g., cars, vans, trucks)? |
| Answer: Small van and family sized cars |
| Question 29. Are there any specific EV models that will be frequently charged? |
| Answer: No |
| Type of charger required (DC or AC), please specify. |
| Answer: DC is preferred. However, this forms part of the supplier’s design response to the ITT |
| Question 30. Will the EV chargers primarily draw power from the new solar array, or do you want them to charge from battery storage or grid? |
| Answer: Preference is for the solar |
| Question 31. Are there any requirements for prioritizing solar energy for charging, with grid electricity used as a secondary source only? |
| Answer: No requirement but the system should be designed to minimize our grid requirement |
| Question 32. Should the battery storage system be sized to accommodate EV charging as well? If so, what is the expected energy consumption of the EV chargers on a daily or weekly basis? |
| Answer: his has not been specified in the ITT. The supplier should determine and outline any potential benefit of this against the cost of providing it depending on the design submitted |