Black Start Competitive Procurement Event

Appendix 2 – Technical Requirements Declaration

Instructions

Please complete the table below to demonstrate the capability of the asset or project.

In the third column, ‘Current Capability’, please delete the instructions within each cell, and state the values at present in the requested format.

In the fourth column, ‘Planned Capability’, please state the values at present in the requested format.

**Example Question and Response**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requirement** | **Minimum** | **Response format** | **Provider Response** | **If requirement is not met, but the provider expects to deliver changes through the tender process in order to meet it, please summarise what will be required here.** |
| Resilience of Supply,  BS Auxiliary Unit(s) | ≥ 72h | State in number of hours | No auxiliary units on site currently | * We would propose as part of our submission to purchase and install auxiliary units * We would/would not require capital to do this * Once installed, the auxiliary units will have resilience for ≥ 72h |

# Provider Declaration of Technical Requirements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Requirement** | **Minimum** | **Response format** | **Provider Response** | **If requirement is not met, but the provider expects to deliver changes through the tender process in order to meet it, please summarise what will be required here:**   * If changes are required/planned, please briefly describe them. * Is capital required? Indicative budget * What is the indicative capability post changes? |
| Time to Connect | ≤ 2h | State in number of hours and minutes. |  |  |
| Service Availability | ≥ 90% | State percentage of expected average availability between 1 April 2022 and 31 March 2027, based on number of settlement periods where the contracted service is delivered. |  |  |
| Voltage Control | Existent | Yes/No |  |  |
| Frequency Control | Existent | Yes/No |  |  |
| Resilience of Supply,  BS Service | ≥ 10h | State in number of hours |  |  |
| Resilience of Supply,  BS Auxiliary Unit(s) | ≥ 72h | State in number of hours |  |  |
| Block Loading Size | ≥ 20MW | State expected largest size of block load |  |  |
| Reactive Capability | ≥ 100MVAr Leading | State capability in MVAr Leading |  |  |
| Sequential Black Starts | ≥ 3 | Yes/No |  |  |
| Short-circuit level (following the start of a system disturbance) | For t ≤ 80ms:  I ≥ [kA]  U ≡ connection voltage [kV] | For t≤80ms, please state value of I, in kA |  |  |
| For t > 80ms:  I ≥ [kA]  U ≡ connection voltage [kV] | For t>80ms, please state value of I, in kA |  |  |
| Inertia Value | ≥ 800 MVA.s | Please state value in MVA.s |  |  |
| All technical requirements listed above can be met at one point of delivery to network. | Yes | Yes/no |  |  |