# Merit Criteria 1 – Returnable Schedule - Access Rights Proponents only

**Guidance for Access Rights Proponents**

* The purpose of this returnable schedule is to capture information that the Network Operator would require from the projects seeking access rights to connect to the South West REZ Access Rights Network as part of Tender Round 5. The required information from the proponents reflects information equivalent to a connection enquiry under the National Electricity Rules (NER).
* Proponents should complete one schedule for each Connection Point in their project.
* For projects proposing to connect to the Buronga Network Element, if your project does not obtain access rights for this network element, do you have an alternative Connection Point? If so please also complete another copy of this schedule for your alternative Connection Point.
* If your project has already received a connection enquiry response from Transgrid, please include the response along with this schedule including all attachments and materials as applicable.
* Proponents should refer to the Tender Guidelines for guidance on how this information will be assessed in the Project Bid Assessment stage.
* Information provided by the Proponent in response to this returnable schedule will be included as part of schedules of the of the Access Project Development Agreement concerning Project Characteristics or Network Infrastructure should the Proponent be awarded Access Rights.
  1. Connection Enquiry Equivalent Information

**Connection Point Name [Insert]**

|  |  |  |  |
| --- | --- | --- | --- |
| Item | | | |
|  | Location | Co-ordinates of Proponent’s Project substation (e.g. 330kV/33kV) connecting to Connection Point | Easting: [Insert] Northing: [Insert]  Latitude: [Insert]  Longitude: [Insert] |
|  | Boundary extent | [Provide a layout of the project boundary extent both as:an attachment in PDF formata .kml, .shp or a .zip folder containing shapefiles] |
|  | Technical Overview | Market facing Primary Technology(Solar/ Wind/ BESS) | [Insert] |
|  |  | [Insert rows for other technologies if applicable] |  |
|  |  | Maximum **installed** capacity (MW) Note: This is applicable for hybrid generators (i.e., combined multiple technologies) where the connection applicant nominates its “max. operational power capacity” lower than its combined “max. (aggregate) installed power capacity” | [Insert] |
|  |  | Maximum Capacity (MWac) at Connection Point (same as Access Rights sought and same as the AEMO registered capacity) | [Insert] |
|  |  | Expected Annual Energy Production (GWh/Yr) | [Insert] |
|  | Timing | Expected date project is proposed to be in service and to be registered in NEM | [Insert] |
|  |  | [Enter additional rows if the project will enter service and be registered in the NEM in stages but at the same Connection Point] |  |
|  | Preliminary System Strength Impact Assessment - Withstand SCR capability assessment (Optional) | Confirm withstand SCR capability Note: a withstand SCR capability of 3 will be assumed for preliminary assessments if the following required items are not provided or documents are not complete:   1. Withstand SCR self-assessment report covering all the Withstand SCR tests specified in AEMO SSIAG 2. Site-specific PSSE Simulation SMIB Model and RUG for demonstration of stability at withstand SCR level 3. Site-specific PSCAD Simulation SMIB Model and RUG for demonstration of stability tests, impulse and voltage step tests and impedance change to SCR tests all done at withstand SCR level.   An SCR of 3 will be assumed for any project that is not ready for SCR capability assessment at the time Transgrid provides the connection enquiry response equivalent information to the tenderer. | [Insert] |
| a | Proposed Original Equipment Manufacturer (OEM) for market facing Primary Technology | Proposed individual unit OEM and model number | [Insert] |
| a | Number of Individual Units (Inverters/ turbines) | [Insert] |
| a | Nameplate rating (MWac) per unit | [Insert] |
| a | Nameplate capacity (MWh) per unit (if item 3 above is BESS) | [Insert] |
| a | Online inverter controller type(e.g. grid following/ grid forming) | [Insert] |
| 9 b | Proposed Original Equipment Manufacturer (OEM) for other Technology (if applicable) | Proposed individual unit OEM and model number | [Insert] |
| 10 b |  | Number of Individual Units (Inverters/ turbines) | [Insert] |
| 11 b |  | Nameplate rating (MWac) per unit | [Insert] |
| 12 b |  | Nameplate capacity (MWh) per unit (if item 3 above is BESS) | [Insert] |
| 13 b |  | Online inverter controller type(e.g. grid following/ grid forming) | [Insert] |
|  | Proposed Original Equipment Manufacturer (OEM) Hybrid/behind the meter BESS (if applicable) | Proposed individual unit OEM and model | [Insert] |
|  | Number of individual units (Inverters) | [Insert] |
|  | Nameplate rating (MWac) per unit | [Insert] |
|  | Nameplate capacity (MWh) per unit | [Insert] |
|  | Online inverter controller type(e.g. grid following/ grid forming) | [Insert] |
|  | Configuration (AC-coupled, DC-coupled) | [Insert] |
|  | Designated Network Asset (DNA) Framework[[1]](#footnote-2) | Length of transmission line required for the proposed connection to Access Rights Network | [Insert] |
|  |  | If the length of transmission line required for connection is less than 30km, does project request to opt into the DNA framework – Yes/NoNote: If “Yes” include details of the assets/connecting infrastructure to be opted in i.e., transmission line(s), underground cable(s), connecting substation, transformer(s)Please submit a Single Line Diagram depicting the above | [Insert] |
|  | Dedicated Connection Asset (DCA) framework[[2]](#footnote-3) | Length of transmission line required for the proposed connection to Access Rights Network | [Insert] |
|  |  | If the length of transmission line required for connection is more than 30km, does project request that the transmission line remain DCA rather than being designated as DNA? | [Insert] |
|  | HV/MV connection infrastructure (e.g. 330kV/33kV, 500kV/MV) | Single Line Diagram and General Arrangement drawings | [Provide single line diagram and general arrangement drawings for the HV/MV reticulation system including HV power transformers and MV switchgear as attachments in PDF format] |
|  | Power Transformer rating (MVA) | [Insert] |
|  | Power Transformer impedance (%) | [Insert] |
|  | MV switchgear details (if known) | [Provide a schedule of OEM, model and quantity] |
|  | HV, MV overhead reticulation (if known, draft is acceptable) | [Provide schedule for HV & MV overhead lines including details of conductor type, pole type and line distance] |
|  | MV underground reticulation (if known, draft is acceptable) | [Provide schedule for MV underground lines including details of Thevenin Equivalent Impedance of cabling, cable manufacturer and line lengths] |
|  | Reactive Plant (if known) | [MVA Capacitive and MVA reactive; Qty/ switchable stages of each] |
|  | General | ABN of proponent | [Insert] |
|  | ACN of proponent | [Insert] |
|  | Address of proponent | [Insert] |

1. If multiple nearby Projects are successful obtaining access rights, the Infrastructure Planner may co-ordinate REZ network infrastructure between the Projects and Access Rights Network. However, please answer as if this does not occur. [↑](#footnote-ref-2)
2. If multiple nearby Projects are successful obtaining access rights, the Infrastructure Planner may co-ordinate REZ network infrastructure between the Projects and Access Rights Network. However, please answer as if this does not occur. [↑](#footnote-ref-3)