|  |  |  |  |
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| **SECTION 1 –GENERAL** | | | |
| Project: | Supernode BESS Stage 1 | | |
| Client: | NuEnergy Infrastructure | | |
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|
| ITR  Description: | 10-CFA01 Metering Panel Installation ITR | | |
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|
| Project No.: | 102524 | Work Pack No.: |  |
|
| ITR No.: | PFI-ITR-0105- | Discipline: | Electrical |
|
| Revision: | Rev A | Install Contractor: | PFi |
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| Standards: | AS/NZS 3000:2018 Electrical Installations  AS NZS 3008.1.1-2017 Electrical installations  Qld Electrical Safety Act 2002 & Regulation 2013  Safety of Machinery Australian Standard 4024.1 | | |
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| Drawings: |  | | | | | |
| Prepared by: |  | | | | Date: |  |
| **SECTION 2 – SIGNATURES –APPROVAL** | | | | | | |
| PFI Approval | Name: |  | Signature: |  | Date: |  |

|  |  |  |  |  |  |  |
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| **No.** | **Items to be Checked** | | | **Results** | | **Remarks** |
| **1** | Inspect for mechanical damage from freight and handling | | |  | |  |
| **2** | Check mounting arrangement is adequate. | | |  | |  |
| **3** | Check tag number is in accordance with Electrical Equipment List, Document No. and nameplate details correct. | | |  | |  |
| **4** | Check item is suitably rated for area (E.g. IP rating, Ex rating) | | |  | |  |
| **5** | Ensure there is no visible damage to the equipment and all meters, LED indicators, switches and fittings are in good order. | | |  | |  |
| **6** | Confirm main isolator operates with associated switches and auxiliaries | | |  | |  |
| **7** | Confirm main isolator operates all active conductors | | |  | |  |
| **8** | Confirm main isolator and sub-circuit MCB’s can be padlocked open if req’d. | | |  | |  |
| **9** | Check number and rating of sub-circuits as per design and specifications. | | |  | |  |
| **10** | Ensure different Voltage segregation is correct. | | |  | |  |
| **11** | Heaters installed and functioning. Record IR of heater circuit. | | | MΩ | |  |
| **12** | Check equipment panel external and internal earthing connections are securely fitted and properly terminated on the cabinet protective earth bar. | | |  | |  |
| **13** | Check internal cables properly terminated and labelled | | |  | |  |
| **14** | DB properly labelled, sub circuit MCB correct rating and application | | |  | |  |
| **15** | Check cable penetration is correct. (E.g. sealed correctly, correct size/type of glands) | | |  | |  |
| **16** | Active, Neutral and Earth bar properly identified and labeled | | |  | |  |
| **17** | DB legend card correct and updated, As built | | |  | |  |
| **18** | Confirm panel is readily accessible for inspection and maintenance. | | |  | |  |
| **19** | Confirm panel is clean and tidy | | |  | |  |
| **20** | As-Built drawings completed | | |  | |  |
| **Test Equipment** | | | | | | |
| Make | | Model | Serial No | | Calibration Expiry | |
|  | |  |  | |  | |
|  | |  |  | |  | |
| **Remarks:** | | | | | | |

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| --- | --- |
|  | TEST/ INSPECTION CARRIED OUT BY |
| **Signature** |  |
| **Print Name** |  |
| **Date** |  |