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| **SECTION 1 –GENERAL** | | | | | | | |
| Project: | Supernode Project - BESS - Stage 1 | | | **Inspection Key** | **Responsibilities** | | |
| Client: | Nu Energy Industries (NEI) | | | **A** Action | **Key/ Role** | **Name** | **Signature/ Initial** |
| **B** Report by Breach |
| **NEI-PM** NEI Project Engineer |  |  |
| **C** Check |
| ITP  Description: | 33kV Control Room - Fabrication of Structure and Assembly of Steel Work | | |
| **CR1** Client Representative |  |  |
| **D** Dimension Inspection |
| **IP** Inspection Personnel |  |  |
| Project No.: | J102007 | Work Pack No.: |  | **E** Examine |
| **H** Hold Point | **PM** Project Manager |  |  |
| ITP No.: | SNPBE1-00-QCL-ITP-3151 | Discipline: |  | **I** Inspection | **ES** Electrical Supervisor |  |  |
| **M** Monitor on Random Basis | **FS** Fabrication Supervisor |  |  |
| Revision: | Rev A | Install Contractor: |  |
| **O** Operation | **PE** Project Engineer |  |  |
| **R** Review Point |
| **QM** QA Manager |  |  |
| **S** Subcontractor |
| **SP1** Sub Contractor Supervisor |  |  |
| ITP Summary  Description: | An ITP will be generated for each work lot and allocated with a NEI document number. Each workout will be split into multiple sections for Inspection Point and Quality control Activity Checklist in ITP.  An ITR will be generated for each relevant section to record any test activities undertaken. Each ITR generated will reference the specific ITP/work lot and be attached to the ITP as an attachment. All relevant test certificates and photo’s will be attached to individual ITP and ITR. | | | **V** Visual Verification |
| **W** Witness Point | **SP2** Sub Contractor Supervisor |  |  |
|  |
| **WS** Workshop Supervisor |  |  |
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| Specifications: |  | | | | | |
| Drawings: | SNPBE1-04-STR-DWG-1680 Rev 3 | | | | | |
| Standards | AS/NZS 1163-350, AS/NZS 3678-250, AS/NZS 3679.1-300, AS/NZS 1111, AS/NZS 1112  AS/NZS 5131, AS/NZS 1554 | | | | | |
| Prepared by: | **Bevan Healy** | | | | Date: |  |
| **SECTION 2 – SIGNATURES –APPROVAL** | | | | | | |
| PFI Approval | Name: |  | Signature: |  | Date: |  |
| Client Approval | Name: |  | Signature: |  | Date: |  |

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| **SECTION 3 – PRE-INSPECTION** | | | | | | | | | |
| **ITEM NO.** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION POINT:**  **QUALITY CONTROL ACTIVITY** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT** | **INSPECTION/ TEST** | | **INSPECTION POINT/ SIGNATURE & DATE** | | |
| **KEY** | **BY** | **PFI**  **SIGNATURE** | **DATE** | **CLIENT SIGNATURE** |
| 3.1 | **Pre-Fabrication -** Document Review | Review of Manufacturing Drawings | All drawings are of the latest Revision | Drawing Revision as per Live PDR (Procore) | H  H | NEI-PM  PM |  |  |  |
| 3.2 | **Pre-Fabrication –** Pre-Qualifications | Development of Welding Prerequisites | As Per Quality Control – MW Welding & NDT | PQR’s, WPS, Welding Book | H  H | NEI-PM  PM |  |  |  |
| 3.3 | **Material Inspection –** Materials Receival | Inspection of Incoming Materials | Complies to Manufacturing Standards;  • AS/NZS 1163-350  • AS/NZS 3678-250  • AS/NZS 3679.1-300  • AS/NZS 1111  • AS/NZS 1112 | Materials Receiving and Inspection Details logged in ERP | V  C  W | PM  PE  NEI-PM |  |  |  |
| 3.4 | **Materials Inspection –** Materials Records | Records of Received Materials | Complies to Manufacturing Standards;  • AS/NZS 1163-350  • AS/NZS 3678-250  • AS/NZS 3679.1-300  • AS/NZS 1111  • AS/NZS 1112 | Materials Receiving and Inspection Details logged in ERP | V  C  W | PM  PE  NEI-PM |  |  |  |

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| **SECTION 3 – PRE-INSPECTION** | | | | | | | | | |
| **ITEM NO.** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION POINT:**  **QUALITY CONTROL ACTIVITY** | **ACCEPTANCE**  **CRITERIA** | **VERIFYING DOCUMENT** | **INSPECTION/**  **TEST** | | **INSPECTION POINT/ SIGNATURE & DATE** | | |
| **KEY** | **BY** | **PFI SIGNATURE** | **DATE** | **CLIENT SIGNATURE** |
| 3.5 | **Materials Inspection –** Materials Storage | Allocated Area for Incoming Materials | Labelling & Documentation | Materials Receiving and Inspection Details logged in ERP | V  C  W | PM  WS  NEI-PM |  |  |  |

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| **SECTION 4 – IN PROCESS INSPECTIONS** | | | | | | | | | | |
| **ITEM NO.** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION POINT:**  **QUALITY CONTROL ACTIVITY** | **ACCEPTANCE**  **CRITERIA** | **VERIFYING DOCUMENT** | **INSPECTION/**  **TEST** | | **INSPECTION POINT/ SIGNATURE & DATE** | | |
| **KEY** | **BY** | **PFI SIGNATURE** | **DATE** | **CLIENT SIGNATURE** |
| 4.1 | **Fabrication –** Fit Up Inspection | Dimensional Checks of Initial Fabricated Components | As per Dimensional Requirements Listed on Relevant Drawings | Visual Inspection & Dimensional Reporting | D  C  W  W | FS  WS  NEI-PM  PM |  |  |  |
| 4.2 | **Fabrication –** Welding Fit Up Inspection | Welding Fitment | • As per WPS & within compliance to Fabrication & Welding Codes –  • AS/NZS 5131  • AS/NZS 1554 | Visual Inspection & Dimensional Reporting | C  V  W  W | FS  WS  NEI-PM  PM |  |  |  |
| 4.3 | **Fabrication –** Welding | Welding Inspection Process | • Specifications in line with As per WPS –  O PFI-F-18-04  O PFI-B-24-28  As per Fabrication Code  • AS/NZS 5131  • AS/NZS 1554 | Weld Traceability Register | V  C  W  W | FS  WS  NEI-PM  PM |  |  |  |
| 4.4 | **Fabrication –** Inspection | Compliance Inspection Process | • 3rd Party Satisfactory NDT Report  • Specifications in line with As per WPS –  O PFI-F-18-04  O PFI-B-24-28  • As per Fabrication Code  • AS/NZS 5131  • AS/NZS 1554 | Weld Traceability Register | V  C  W  W | FS  WS  NEI-PM  PM |  |  |  |
| 4.5 | **Fabrication –** NDT/NDE | Post Welding Inspection Process | • 3rd Party Satisfactory NDT Report  • Specifications in line with As per WPS –  O PFI-F-18-04  O PFI-B-24-28  • As per Fabrication Code  • AS/NZS 5131  • AS/NZS 1554 | Weld Traceability Register | V  C  I  W  W | FS  WS  SP1  NEI-PM  PM |  |  |  |
| 4.6 | **Fabrication –** Final Dimensional Inspection | Dimensional Checks of Completed Fabricated Components | • As per Dimensional Requirements Listed on Relevant Drawings  Tolerances as per Fabrication Code –  • AS/NZS 5131  • AS/NZS 1554 | Visual Inspection & Dimensional Reporting | V  C  W  W | FS  WS  NEI-PM  PM |  |  |  |

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| **SECTION 5 – IN PROCESS INSPECTIONS** | | | | | | | | | |
| **ITEM NO.** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION POINT:**  **QUALITY CONTROL ACTIVITY** | **ACCEPTANCE**  **CRITERIA** | **VERIFYING DOCUMENT** | **INSPECTION/ TEST** | | **INSPECTION POINT/ SIGNATURE & DATE** | | |
| **KEY** | **BY** | **PFI SIGNATURE** | **DATE** | **CLIENT SIGNATURE** |
| 5.1 | **Assembly –** Pre-surface Finish – Fit Up Inspection | Assembly of Main Structural Components | As per Fabrication Code –  • AS/NZS 5131 | Client Sign Off | V  C  H  H | FS  WS  NEI-PM  PM |  |  |  |
| 5.2 | **Packing & Packaging –** Parts Despatch | Inspection of Outgoing Parts | • Free from Any Visible Defects  • Items Clearly Labelled or Stamped  • Packed in Correct Bundles | ETO – Records Listed for Re-receival | C  C  W  W | WS  PE  NEI-PM  PM |  |  |  |
| 5.3 | **Packing & Packaging –** Parts Receival | Inspection of Incoming Parts | • Free from Any Visible Defects  • Packed in Correct Bundles | ETO – Records Listed for Re-receival | C  C  W  W | WS  PE  NEI-PM  PM |  |  |  |
| 5.4 | **Assembly –** Structural Steelwork Assembly | Assembly of All Structural Components | As per Fabrication Code –  • AS/NZS 5131 | Client Sign Off | V  C  W  W | FS  WS  NEI-PM  PM |  |  |  |

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| **SECTION 6 – FINAL INSPECTION AND HANDOVER** | | | | | | | | | |
| **ITEM NO.** | **ACTIVITY/ TASK DESCRIPTION:** | **INSPECTION POINT: QUALITY CONTROL ACTIVITY** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT** | **Inspection/ Test** | | **INSPECTION POINT/ SIGNATURE & DATE** | | |
| **Key** | **By** | **PFI SIGNATURE** | **DATE** | **CLIENT SIGNATURE** |
| 5.1 | **Completion** | MDR Completion and Submission. | Client Sign off. | Completed MDR | E  E | NEI-PM  PM |  |  |  |

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| **SECTION 6 – COMMENTS** | | | | | |
|  | Client Release Granted: ***Yes/ No.*** | |  | Date: |  |
| Certificate No: |  | | | |