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| **Civil - Hardstand Stage 1 (Hardstand and Auxiliary Pads)** |
| **Inspection and Test Plan - ITP** |

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| **SECTION 1 - GENERAL** | | | | | |
| **Client:** | **Asset** | | | **ITP Template No.:** | **Revision:** |
|  |  | | | ZENT-ITP-7022 | 0 |
| **Project Name:** | **Area** | | | **Prepared By:** | **Prepared Date:** |
|  |  | | | Lachlam A. | 21/11/2023 |
| **Project Number:** | **Discipline** | **Component** | **Location** | **Approved By:** | **Approved Date:** |
|  | Civil | ITP - Civil - Hardstand Stage 1 | |  |  |

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| **SECTION 2 - CLOSE OUT SIGNATURE (ZENVIRON ONLY)** | | | |
| **Name:** | **Position:** | **Signature:** | **Data:** |
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| **Comments:** | | | |
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| **SECTION 3 - LEGEND** | |
| **Term** | **Description** |
| **REVIEW** | An Activity which is verified by examination of documentary evidence that inspection/tests have been satisfactorily conducted |
| **WITNESS** | Activity is to be witnessed by Zenviron | Advance notification mandatory | Activity can proceed once the minimum notification period has elapsed |
| **HOLD POINT** | Activity is to be witnessed by Zenviron | Advance notification mandatory | Hold point can only be waivered formally in writing |

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| **SECTION 4 - PRELIMINARY** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 4.1 | Design drawings, project specifications. |  |  | Documents controlled through document  management system. | N/A | WITNESS |  |  |  |  |
| 4.2 | Survey and Setout |  |  | Control point survey by registered surveyor. Visual inspection of control point/s.  Survey equipment spot checked for calibration | N/A | WITNESS |  |  |  |  |
| 4.3 | Orientation and Layout |  |  | Confirm the survey setout aligns with the hardstand typical arrangement proposed for the turbine.  Hardstand Layout for WTG-[ ] is [ ] | N/A | REVIEW |  |  |  |  |

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| **SECTION 5 - MATERIAL APPROVALS** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |

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| 5.1 | Pavement Base Course Material Conformance |  |  | ZX115-REP-0201 Earthworks, Roads and Drainage Specification;   * Particle Size Distribution * CBR * Atterberg Limits * Wet/Dry Strength Variation | NATA Test Reports | REVIEW |  |  |  |  |

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| **SECTION 6 - CONSTRUCTION PROCESS - HARDSTAND AND AUXILARY STRIP SOIL** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 6.1 | Clear and Grub |  |  | Area cleared of all refuse, artificial and deleterious materials.  Consult with landowner prior to removing any fencing or gates  Ensure CHMP & EMP are adhered too | N/A | WITNESS |  |  |  |  |
| 6.2 | Topsoil Stripping |  |  | Strip topsoil to a depth required to remove all topsoil from the footprint area  Ensure the area is self draining Ensure CHMP & EMP are adhered too Stockpiles are suitably managed | N/A | WITNESS |  |  |  |  |
| 6.3 | Temporary ERSED Controls |  |  | Protection measures in line with ZX115-REP- 0201 Earthworks, Roads and Drainage Specification and Typical Drawings  Ensure CHMP & EMP are adhered too | N/A | HOLD POINT |  |  |  |  |

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| **SECTION 7 - CONSTRUCTION PROCESS - HARDSTAND SUBGRADE AND CONDITIONING** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 7.1 | Earthworks Foundation |  |  | Test results obtained from the founding layer compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification  - DCP | DCP Field Results Loctaion plan of soft, wet or unsuitable material including replacement  methodology. | HOLD POINT |  |  |  |  |
| 7.2 | Structural Fill/ Rock Fill Embankment (Where Required) |  |  | Test results and/ or proof roll records obtained for the fill layers compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC | NATA Test Report (Where Required) ZX115-ITR-7108 - Proof  Roll | HOLD POINT |  |  |  |  |
| 7.3 | Rock Subgrade (Where Required) |  |  | Proof roll records obtained Inspection by Geotechnical/ Design Engineer | ZX115-ITR-7108 - Proof  Roll  Loctaion plan of rock sungrade material where pavement thickness has been reduced. | HOLD POINT |  |  |  |  |
| 7.4 | Finished Subgrade |  |  | Test results and proof roll records obtained for the finished layer compliant to ZX115- REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC | NATA Test Report ZX115-ITR-7108 - Proof  Roll | HOLD POINT |  |  |  |  |

**SECTION 8 - CONSTRUCTION PROCESS - HARDSTAND BASE COURSE PLACEMENT**

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| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 8.1 | Base Pavement |  |  | Test results and proof roll records obtained for the finished layer compliant to ZX115- REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC * Plate Load | NATA Test Report Plate Load Test Results ZX115-ITR-7108 - Proof  Roll Inspection | HOLD POINT |  |  |  |  |

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| **SECTION 9 - CONSTRUCTION PROCESS - AUXILARY PADS SUBGRADE AND CONDITIONING** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 9.1 | Earthworks Foundation |  |  | Test results obtained from the founding layer compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification  - DCP | DCP Field Results Loctaion plan of soft, wet or unsuitable material including replacement  methodology | HOLD POINT |  |  |  |  |
| 9.2 | Structural Fill/ Rock Fill Embankment (Where Required) |  |  | Test results and/ or proof roll records obtained for the fill layers compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC | NATA Test Report (Where Required) ZX115-ITR-7108 - Proof  Roll | HOLD POINT |  |  |  |  |
| 9.3 | Rock Subgrade (Where Required) |  |  | Proof roll records obtained Inspection by Geotechnical/ Design Engineer | ZX115-ITR-7108 - Proof  Roll Loctaion plan of rock  sungrade material where pavement thickness has been reduced. | HOLD POINT |  |  |  |  |
| 9.4 | Finished Subgrade |  |  | Test results and proof roll records obtained for the finished layer compliant to ZX115- REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC | NATA Test Report ZX115-ITR-7108 - Proof  Roll | HOLD POINT |  |  |  |  |

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| **SECTION 10 - CONSTRUCTION PROCESS - AUXILARY PADS BASE COURSE PLACEMENT** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 10.1 | Base Pavement |  |  | Test results and proof roll records obtained for the finished layer compliant to ZX115- REP-0201 Earthworks, Roads and Drainage Specification   * Compaction * Density * OMC * Plate Load | NATA Test Report Plate Load Test Results ZX115-ITR-7108 - Proof  Roll | HOLD POINT |  |  |  |  |

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| **SECTION 11 - CONSTRUCTION PROCESS - LONGITUDINAL DRAINAGE** | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION** | **REQUIREMENT/ STANDARD /** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT** | **SUPERVISION** | **RECEIVED AND ANALYSED BY: ZENVIRON** |

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|  |  | **FREQUENCY** | **SPECIFICATION** |  | **(RECORDS/EVIDENCE)** | **TYPE** | **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 11.1 | Excavation |  |  | Levels as required in IFC Model | N/A | WITNESS |  |  |  |  |
| 11.2 | Erosion Controls |  |  | Turn out drains installed as required in IFC Model  Scour protection in line with ZX115-REP- 0201 Earthworks, Roads and Drainage Specification and Typical Drawings | N/A | WITNESS |  |  |  |  |

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| **SECTION 12 - COMPLETION AND HANDOVER** | | | | | | | | | | |
| **ITEM** | **ACTIVITY/ TASK DESCRIPTION** | **INSPECTION FREQUENCY** | **REQUIREMENT/ STANDARD / SPECIFICATION** | **ACCEPTANCE CRITERIA** | **VERIFYING DOCUMENT (RECORDS/EVIDENCE)** | **SUPERVISION TYPE** | **RECEIVED AND ANALYSED BY: ZENVIRON** | | | |
| **NAME** | **SIGNED** | **DATE** | **COMMENTS** |
| 12.1 | Final Trim |  |  | ZX115-REP-0201 Earthworks, Roads and Drainage Specification  ZX115-REP-0206 - Balance of Plant Works Maintenance Manual  Typicals Design Drawings | N/A | WITNESS |  |  |  |  |
| 12.2 | Redline markup of Construction Drawings |  |  | In line with ZX115-REP-0201 Earthworks, Roads and Drainage Specification and BMS- WIN-1024 - Document Red-Line Markup | Redline Markup in Master Drawing Folder | REVIEW |  |  |  |  |
| 12.3 | Generate Punch List |  |  | Generate specific area/scope Punch List and transfer the open items to the Punch List  Master Register | BMS-TMP-0044 Punch  List record | REVIEW |  |  |  |  |