**Referenced to Water Corporation Standards: DS21, DS22, DS26-02, DS26-13, DS26-16, DS26-28, and DS26-29.**

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| **1. GENERAL DATA** | |
| PROJECT NAME: | PROJECT NO: |
| IDENTIFICATION: |  |

|  |  |
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| **2. TRANSFORMER DATA** | |
| TYPE: OIL FILLED  DRY | |
| SITE REQUIREMENT: INDOOR  OUTDOOR  KIOSK | |
| MOUNTING: GROUND  POLE | |
| MAKE: | SERIAL NO: |
| ENCLOSURE PROTECTION: | COOLING: |
| INSULATION CLASS: | VECTOR GROUP: |
| KVA RATING: | FREQUENCY: |
| PRIMARY VOLTAGE: | PRIMARY CURRENT: |
| SECONDARY VOLTAGE: | SECONDARY CURRENT: |
| TERTIARY VOLTAGE: | TERTIARY CURRENT: |
| MF DWG NO.(S): | WC TRANSFORMER NO.: |

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| **3. INSPECTION** | | **DONE**  **/YES** | **NO** | **N/A** | **COMMENTS/DETAILS** |
| 1 | Record cold winding temperatures – confirm as expected. |  |  |  |  |
| 2 | Confirm winding temperature alarm & trip settings are as per manufacturer and/or drawing requirements. |  |  |  |  |
| 3 | Confirm overpressure alarm & trip settings are as per manufacturer and/or drawing requirements. |  |  |  |  |
| 4 | Confirm required tapping selected or connected. |  |  |  |  |
| 5 | Megger primary–secondary winding. Confirm acceptable. |  |  |  |  |
| 6 | Megger primary–tertiary winding. Confirm acceptable. |  |  |  |  |
| 7 | Megger primary winding-Earth. Confirm acceptable. |  |  |  |  |
| 8 | Megger secondary–tertiary winding. Confirm acceptable. |  |  |  |  |
| 9 | Megger secondary winding-Earth. Confirm acceptable. |  |  |  |  |
| 10 | Megger tertiary winding-Earth. Confirm acceptable. |  |  |  |  |
| 11 | Confirm HV & LV cables pre-commissioned separately. |  |  |  |  |
| 12 | Confirm all covers installed and transformer safe to energise. |  |  |  |  |
| 13 | Energise transformer no-load for 24 hours. |  |  |  |  |
| 14 | Record secondary and tertiary voltages and winding temperatures – confirm as expected. |  |  |  |  |

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| **4. TESTS** | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 Test Equipment | | | | | | | | | | | | | | | | | | | | | | |
| Megger | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer: | | | | | | | | | | Model: | | | | | | | | | | | | |
| Serial No.: | | | | | | | | | | Last Calibration Date: | | | | | | | | | | | | |
| Multimeter | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer: | | | | | | | | | | Model: | | | | | | | | | | | | |
| Serial No.: | | | | | | | | | | Last Calibration Date: | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| 5.2 Insulation Resistance Test | | | | | | | | | | | | | | | | | | | | | | |
| **Circuit Description** | | **P-S (\_\_kV)** | | | **P-T (\_\_kV)** | | | | **P-E (\_\_kV)** | | | | **S-T (\_\_kV)** | | | | **S-E (\_\_kV)** | | | **T-E (\_\_kV)** | | |
| **Resistance (Ω)** | |  | | |  | | | |  | | | |  | | | |  | | |  | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| 5.3 Winding RTD Measurements | | | | | | | | | | | | | | | | | | | | | | |
| **Description** | | | | **Ambient** | | | **Gauge** | | **Ta** | | | **Tb** | | | **Tc** | | **Ta1** | | **Tb1** | | | **Tc1** |
| **Temp (ºC) – Cold** | | | |  | | |  | |  | | |  | | |  | |  | |  | | |  |
| **Temp (ºC) – 24 Hour No Load** | | | |  | | |  | |  | | |  | | |  | |  | |  | | |  |
|  | | | | | | | | | | | | | | | | | | | | | | |
| 5.4 Voltage Measurements | | | | | | | | | | | | | | | | | | | | | | |
| **Description** | **Secondary** | | | | | | | | | | | | | | | **Tertiary (add neutral voltages in remarks if star connected)** | | | | | | |
| **R-W** | | **R-B** | | | **W-B** | | **R-N** | | | **W-N** | | | **B-N** | | **R-W** | | **R-B** | | | **W-B** | |
| **No Load** |  | |  | | |  | |  | | |  | | |  | |  | |  | | |  | |

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| **5. REMARKS / REMEDIAL ACTIONS** |
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| **6. SIGNOFFS** | |  | | |
| NAME (PRINT) | COMPANY / ROLE | | SIGNATURE | DATE |
| NAME (PRINT) | COMPANY / ROLE | | SIGNATURE | DATE |
| NAME (PRINT) | COMPANY / ROLE | | SIGNATURE | DATE |