| 1 | Solar Modules | Frequency | Visits per Year | % To be reported against per visit. |
|---|---|---|---|---|
| a | Review of signs of Browning or Yellowing on Surface of Modules. | Monthly | 12 | 5% |
| b | Review of any Damage to the Modules. | Monthly | 12 | 5% |
| c | Review of any Shadowing on the Modules. | Monthly | 12 | 5% |
| d | Visual Inspection of the DC Junction Boxes on the Modules. | Quarterly | 4 | 25% |
| e | Visual Inspection of the MC4 Connections from the Modules. | Monthly | 12 | 5% |
| f | Cleaning of the Modules. | Bi Annual | 2 | 100% |
| g | Visual Inspection of the Mechanical Fastening of the Modules to the Structure. | Monthly | 12 | 5% |
| h | Thermographic Inspection of the Modules | Monthly | 12 | 5% |
| i | Open Circuit Voltage Measurement (Voc). | Quarterly | 2 | 10% |
| j | Short Circuit Current Measurement (Isc). | Bi Annual | 2 | 10% |
| k | Check Back of Panels for any Signs of Damage. | Monthly | 12 | 5% |
| 2 | String Wiring | Frequency | Visits per Year | % To be reported against per visit. |
| a | Visual Inspection of Containment, Ductwork and Fastenings of String Cabling. | Monthly | 12 | 5% |
| b | Mechanically check the Tightness of the String Terminations at the Array Monitors. | Monthly | 12 | 5% |
| c | Visually Inspect the MC4 Terminations of the String Circuits. | Monthly | 12 | 5% |
| d | Visual Inspection of Array Monitors Internally. | Annual | 1 | 100% |
| e | Integrity Test of Cat5 Communications from Array Monitors. | Monthly | 12 | 5% |
| f | Earth Electrode Test at Array Monitors. | Monthly | 12 | 5% |
| g | Visual Inspection for Fire Proof Sealing of Ducting to Array Monitors | Monthly | 12 | 5% |
| h | Inspection of State of Galvonisation on Containment and Fixings to Array Monitor. | Monthly | 12 | 5% |
| i | Verification and Comparison of String Outputs to ensure expected results. | Quarterly | 4 | 5% |
| j | String Performance Tests | Annual | 1 | 5% |

| 3 | AC Distribution Installation | Frequency | Visits per Year | % To be reported against per visit. |
|---|---|---|---|---|
| a | Mechically inspection of Tightness of ALL AC Circuit Cabling and Sub-Main Cicruits. | Bi Annual | 2 | 100% |
| b | Clearing of Debris, Rubbish or Waste from Inside Distribution Boards. | Bi Annual | 2 | 100% |
| c | Visual Checking of Weather Proofing of Distribution Boards. | Bi Annual | 2 | 100% |
| d | Visual Inspection of Distribution Boards. | Bi Annual | 2 | 100% |
| e | Visual Inspection of Fuses within the Distribution Boards. | Bi Annual | 2 | 100% |
| f | Earth Electrode Test at the Distribution Boards. | Bi Annual | 2 | 100% |
| g | Visually Inspect Check condition of MCB's, RCD's, Surge Arrestors and Isolators. | Bi Annual | 2 | 100% |

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| ***h*** | Test Insulation Resistance of Busbars within Distribution Boards. | Bi Annual | 2 | 100% |
| ***i*** | Thermographic Inspection of Distribution Boards. | Bi Annual | 2 | 100% |
| ***j*** | Check Distribution Board Enclosure for Defects. | Bi Annual | 2 | 100% |
| ***k*** | Check Circuit Labelling, Identification and Distribution Board Labelling. | Bi Annual | 2 | 100% |
| ***l*** | Mechanical Inspect Tightness of Sub Mains Connections with Distribution Boards. | Bi Annual | 2 | 100% |
| ***m*** | Mechanical Operation of all Switches and Circuit Breakers. | Bi Annual | 2 | 50% |
| ***4*** | **Control and Monitoring Equipment** | **Frequency** | **Visits per Year** | **% To be reported against per visit.** |
| ***a*** | Mechanically inspect Terminations within Control and Monitoring Equipment | Bi Annual | 2 | 50% |
| ***b*** | Check Control and Monitoring Equipments enclosures for Defects. | Bi Annual | 2 | 50% |
| ***c*** | Check Control and Monitoring Equipment Labelling, Identification and Enclosure Labelling. | Bi Annual | 2 | 50% |
| ***d*** | Visually inspect the Control and Monitoring Equipments Fuses and Pilot Signals. | Bi Annual | 2 | 50% |
| ***e*** | Thermographic Inspection of Control and Monitoring Equipment. | Bi Annual | 2 | 50% |
| ***f*** | Functional Test of Circuit Breakers, Fuses, Contacts and Pilot Signalling. | Bi Annual | 2 | 50% |
| ***g*** | Test Continuity of Control and Monitoring Equipment Circuits. | Bi Annual | 2 | 50% |
| ***h*** | Test Control and Monitoring Voltages to ensure that they are within Acceptable Operational Range. | Bi Annual | 2 | 50% |
| ***i*** | Thermographic Inspection of Control and Monitoring Equipment Chambers. | Bi Annual | 2 | 50% |
| ***j*** | Check Caliberation of Meteo Stations, Pyranometers and temperature Sensors. | Bi Annual | 2 | 100% |
| ***5*** | **Mounting Structure** | **Frequency** | **Visits per Year** | **% To be reported against per visit.** |
| ***a*** | Inspection of Piles to ensure that they are secure within there foundation and that there has been no signs of movement or damage. | Monthly | 12 | 5% |
| ***b*** | Mechanically Verify Tightness of Fixings on the Structure | Monthly | 12 | 5% |
| ***c*** | Visually inspect for any signs of Corrosion on the Structure. | Monthly | 12 | 5% |
| ***d*** | Check Frame Allignment and Levelling across a Row. | Monthly | 12 | 5% |
| ***e*** | Visually and Mechanically Check that Piles are connected to Grounding Cable and Earth Rods. | Monthly | 12 | 5% |
| ***6*** | **Inverter** | **Frequency** | **Visits per Year** | **% To be reported against per visit.** |
| ***a*** | Visual Inspection of equipment within Inverter Compartments. | Monthly | 12 | 100% |
| ***b*** | Mechanically Check Cable Connections and Tightness of Cables within the Inverter. | Annual | 1 | 100% |
| ***c*** | Check Lightings and Small Power Circuits within the Inverter. | Monthly | 12 | 50% |
| ***d*** | Visually Inspect for signs of Moisture within the Inverter Compartments. | Monthly | 12 | 50% |
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| ***e*** | Visually Inspect footings of inverter for signs of movement. | Monthly | 12 | 50% |
| ***f*** | Visually Inspect Grilles, Fans and Filters of inverters for Blockages. | Monthly | 12 | 50% |
| ***g*** | Check Inverter Compartments for signs of standing water. | Monthly | 12 | 50% |

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| ***h*** | Verify Absence of Rodents or Wildlife within the Inverter Compartments. | Monthly | 12 | 50% |
| ***i*** | Verify Inverter is not in alarm on its Main Display. | Monthly | 12 | 50% |
| ***j*** | Test Battery Output of Batteries on the Inverter. | Bi Annual | 2 | 100% |
| ***k*** | Visually Inspect Grounding of the Inverter. | Bi Annual | 2 | 50% |
| ***l*** | Undertake Earth Electrode Test at the Inverter. | Annual | 1 | 100% |
| ***m*** | Thermographic Inspection of Inverter Compartments. | Bi Annual | 2 | 50% |
| ***7*** | **Medium Voltage Switchgear** | **Frequency** | **Visits per Year** | **% To be reported against per visit.** |
| ***a*** | Visual Inspection of Switchboard enclusure and Switchboard. | Monthly | 12 | 100% |
| ***b*** | Ensure Swichboard Enclosure and Switchboard are clear of any Rubbish of Debris. | Monthly | 12 | 100% |
| ***c*** | Visual Inspection of Seals, Gaskets, Glands and Vents within the Switchboard Enclosure. | Monthly | 12 | 100% |
| ***d*** | Visual Inspection of Terminations. | Annual | 1 | 100% |
| ***e*** | Visual Inspection of Voltage Indicators. | Monthly | 12 | 100% |
| ***f*** | Visual Inspection of Earthing Connection. | Monthly | 12 | 100% |
| ***g*** | Thermographic Inspection of Switchboard. | Annual | 1 | 100% |
| ***h*** | Inspection of Oil Levels within Transformers. | Monthly | 12 | 100% |
| ***i*** | Mechanical Operation of All Switches | Bi Annual | 2 | 50% |
| ***j*** | Discharge Test of Battery Chargers for Breaker and G59 Operation. | Bi Annual | 2 | 100% |
| ***k*** | Battery Condition Inspection | Monthly | 12 | 100% |
| ***8*** | **Structural Inspections, Plant Growth and Pest Control.** | **Frequency** | **Reports Per Year** | **% To be reported against per visit.** |
| ***a*** | Structural Inspection of Any installed Beams or Fastenings on Containers. | Monthly | 12 | 100% |
| ***b*** | Inspection of Bases to Containers. | Monthly | 12 | 100% |
| ***c*** | Check Ventilation Equipment and Air flow within Containers are working as designed. | Monthly | 12 | 100% |
| ***d*** | Inspect and Repair any damage to perimeter fencing. | Quarterly | 4 | 100% |
| ***e*** | Road Inspection | Annual | 1 | 100% |
| ***f*** | Inspection and Repair of Any locks, Hinges or Doors. | Quarterly | 4 | 100% |
| ***g*** | Cutting of Grass to 100mm Level from Ground. | Quarterly | 4 | 100% |
| ***h*** | Hedge Inspection, Re-posting, replacement of damaged. | Quarterly | 4 | 100% |
| ***i*** | Inspection of Manholes and Cleaning if required. | Annual | 1 | 100% |
| ***9*** | **Monitoring and Reporting** | **Frequency** | **Reports Per Year** | **% To be reported against each time.** |
| ***a*** | Provide Detailed Report including maintenance activities, Incidents, Photos, Actions and Comments. | Monthly | 12 | 100% |
| ***b*** | Performance and Fault Monitoring of the installation. | Annual | 1 | 100% |

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| ***c*** | Fault Reporting. | On Occurence | x | 100% |
| ***d*** | Installation Log detailing any changes of equipment, circuits and Performance Criteria. | Bi Annual | 2 | 100% |
| ***e*** | Performance Monitoring. | Daily | 365 | 100% |
| ***f*** | Security Alarms and Registers. | Monthly | 1 | 100% |
| ***g*** | Planned Maintenance Programme | Yearly | 1 | 100% |