| ID | Requirement | Level |
| --- | --- | --- |
| PVM-DE01 | {{ name }} | 1 |
| PVM-DE02 | {{ PVM-DE02}} | 1 |
| PVM-DE03 | {{ PVM-DE03}} | 1 |
| PVM-DE04 | {{ PVM-DE04}} | 2 |
| PVM-DE05 | {{ PVM-DE05}} | 1 |
| PVM-DE06 | {{ PVM-DE06}} | 2 |
| PVM-DE07 | {{ PVM-DE07}} | 1 |
| PVM-DE08 | {{ PVM-DE08}} | 1 |
| PVM-DE09 | {{ PVM-DE09}} | 1 |
| PVM-DE10 | {{ PVM-DE10}} | 2 |
| PVM-DE11 | {{ PVM-DE11}} | 1 |
| PVM-DE12 | {{ PVM-DE12}} | 1 |
| PVM-DE13 | {{ PVM-DE13}} | 2 |
| PVM-DE14 | {{ PVM-DE14}} | 2 |
| PVM-DE15 | {{ PVM-DE15}} | 1 |
| PVM-DE16 | {{ PVM-DE16}} | 1 |
| PVM-DE17 | {{ PVM-DE17}} | 1 |
| PVM-DE18 | {{ PVM-DE18}} | 1 |
| PVM-DE19 | {{ PVM-DE19}} | 1 |
| PVM-DE20 | {{ PVM-DE20}} | 1 |
| PVM-DE21 | {{ PVM-DE21}} | 2 |
| PVM-DE22 | {{ PVM-DE22}} | 1 |
| PVM-DE23 | {{ PVM-DE23}} | 2 |
| PVM-DE24 | {{ PVM-DE24}} | 2 |
| PVM-DE25 | {{ PVM-DE25}} | 1 |
| ID | Requirement | Level |
| PVM-MFT01 | The Employer shall be entitled to conduct an inspection of the manufacturing plants during the manufacture of PV Modules for the Project (Pre-shipment inspection).  This will include access to the flash testing and other quality inspection processes. The Contractor will provide without additional charge, all reasonable facilities and assistance for such inspections. |  |
| PVM-MFT02 | The Contractor agrees that prior to shipping the Modules, the Contractor shall instruct, at the Contractor’s sole cost and expense, TUV SUD, CEA, RINA or any other independent third party agreed to by the Employer and the Contractor (the “Independent Tester”) to conduct pre-shipment tests of the Modules at the manufacturer’s factory or other certified laboratories. The number of Modules to be tested per Container (the “Sample Products”) shall be determined according to ISO 2859-1 sampling procedure applied to every Container of Modules to be delivered by the Contractor under this Contract.  The inspection shall mainly consist of a visual inspection of the Modules, a measurement of their power output (with the following details for each tested module: serial number, module type, package number, Voc, Isc, Pmpp, Vmpp, Impp, FF, test date, record date) and EL test in accordance with IEC testing criteria (the “Testing Criteria”). | 2 |
| PVM-MFT03 | All the Sample Products will be subject to EL Testing. The Independent Tester will evaluate images for cell damage and micro-cracks according to industry accepted standards. The EL images shall be provided by the Manufacturer for all Sample Products under general inspection. | 1 |
| PVM-MFT04 | All the Sample Products will be subject to PID Testing according to IEC 62804. These tests will be carried out by the Independent Tester. | 1 |
| PVM-MFT05 | Supplied modules of PERC or PERT technology shall be subject to LeTID Testing. The test method will be submitted in advance to the Employer for approval. A standardised method, if available, will be preferred. | 1 |
| PVM-MFT06 | If, in the Independent Tester’s opinion, any of the Sample Products fail to meet the Testing Criteria, then the Contractor shall replace the Container containing the failed Sample Products with a substitute Container of new Modules and the testing procedure in the above clauses shall be repeated for the replacement Container. | 2 |
| PVM-MFT07 | The Contractor shall provide the results of each test performed by the Independent Tester to the Employer prior the Modules being shipped. | 1 |
| PVM-MFT08 | The Contractor will supply PV Modules that have been manufactured less than six (6) months before arrival on Site. | 2 |