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*Typical Self-declaration for Solar PV Applications*

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*I, ..... (company name), hereby, declare that all submissions are fully aligned with EWA's approved design procedure, being titled as "Grid Connected Distributed Solar PV Systems V-1", without any violations, and also completely harmonized with all EWA-network's attributes, such as -but not limited to- system's electrical details, interface protection boundaries, and the environmental conditions, all being as per the pertinent official documentation, with the mutual full understanding that EWA should not, by any kind, make a technical review on the submittals. As the project's contractor, we do also declare the following:*

- 1 The quality and accreditation of all conduits, trunking, and trays with their spacing factor not exceeding 40% of the availability.*
- 2 The mounting of both inverters and JB's is as per manufacturer's recommendations, and proper shading is provided in case of outdoor installation.*
- 3 The panel's cable-termination will be as manufacturer's recommendations, and also that such panels can handle the load of the presumed solar PV system.*
- 4 Total-Harmonic-Distortion (THD) of the system shall not affect the existing electrical network by any kind because of solar PV installation.*
- 5 Proper Power-Quality tests shall be made directly after the presumed commissioning of the system to check against fundamental PQ parameters, with either termination or rectification for the system to be applied in case of any violation, with the results to be shared with EWA.*
- 6 Roof or wall-openings (if any) shall be as per the standards with proper sealing.*
- 7 Proper inverters' shading is provided in case of outdoor installation.*
- 8 Separation of both AC and DC within the same tray, conduit or trunking is assured.*
- 9 Lightning Protection System (LPS) -if any- is with reference to BS-EN-62305 with its four parts, and that all earthing points are bonded.*

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- 10** *The absence of any backup generator, or else interlock connection through the IP unit shall be assured. In case an ATR exists, its EDD approval is to be assured.*
- 11** *None of any excavation work -if any- will affect any of the existing service (BATELCO, sewerage) within the premises' land, with confirming that all excavations will be inside the owner's property.*
- 12** *All trenches -if any- are as per MTC requirements of EDD, and that none of any excavation work will affect any of EDD's existing HV cables within the premises' land.*
- 13** *Bonding between both AC and DC earthing is assured.*
- 14** *All items not being under EDD approval's scope are as per international standards, with being of an assured quality.*
- 15** *All solar PV items are within EWA's approved list of "Equipment Meeting Eligibility Requirements for EWA DRRG Program".*
- 16** *All Items requiring EDD approval has their effective EDD approval certificates.*
- 17** *The presumed electrical installations will not supersede, by any kind, EDD regulations for electrical installation.*
- 18** *Enough proper walkways between the solar PV modules for latter maintenance purposes are assured.*
- 19** *Proper labelling for both AC and DC sections of the system will be provided and ensured at site.*
- 20** *All mounted equipment are within hand-reach.*
- 21** *The chose ready-made racking system, if any, can handle both weight and wind load to a maximum speed of 35-m/s with all shared calculations being as per relevant IEC/BS.*
- 22** *For the shared civil structure certificate, such certificate shall ensure the same along the whole lifetime of the PV system.*

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