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## 1. INFORMATION ON SOLAR PHOTOVOLTAIC SYSTEM AND COMPONENTS DESIGNATION

1.1 To ensure that local production and content is discharged on manufacturing activities, the following components which have been designated must be included in bid invitations:

Solar PV Components	Minimum Local Content Threshold	Conditionality
Laminated PV Modules	15%	The local process will include tabbing & stringing of cells, encapsulating and lamination, final assembly and testing in compliance with IEC standards.
Module frame	65%	Aluminium components: All aluminium PV Module frames, PV mounting structures/racks, clamps, brackets, foundation, components and fasteners are to be manufactured from locally produced extruded, rolled, cast or forged products
DC Combiner Boxes	65%	DC Combiner boxes: Enclosures must be made from SMC and moulded in South Africa
Mounting Structure	90%	All aluminium PV Module frames, PV mounting structures/racks, clamps, brackets, foundation, components and fasteners are to be manufactured from locally produced extruded, rolled, cast or forged products
Inverter	40%	Must be assembled locally

### 1.2 MOUNTING STRUCTURE:

A solar mounting structure is a system used to mount modules that have been assembled in to an array, which may be classified as ground mount, roof mount or pole mount. For solar parks a large rack is mounted on the ground, and the modules mounted on the rack. For buildings, many different racks have been devised for pitched roofs. For flat roofs, racks, bins and building integrated solutions are also used.



the dtic

Department:  
Trade, Industry and Competition  
REPUBLIC OF SOUTH AFRICA

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### 1.3 INVERTER:

An inverter is an electronic device or circuitry that changes direct current (DC) in to alternating current (AC). The input voltage, output voltage, frequency, as well as the overall power handling depends on the design of the specific device.

- 1.4 For further information, bidders and procuring state organs may contact Green Industry Sector Desk within **the dtic** at telephone 012 394 5318/1792 or email [localcontent@thedtic.gov.za](mailto:localcontent@thedtic.gov.za)