



ELECTROPORCELAINS DIVISION
BENGALURU – 560012, INDIA

PS 901 09 0003

Rev No : 00

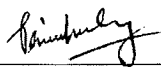
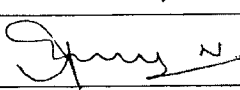
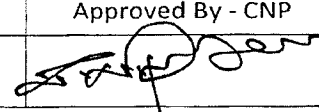
Purchase Specification
Group : Photovoltaic Module

Page 1 of 1

Passive UHF RFID Tags for PV Modules

1. ITEM: Passive UHF RFID Tags for PV Modules with White Polyester Label.
2. PURPOSE: For storing PV Module data in it & fixing it on to the PV module as per MNRE guidelines for traceability. The module Sl. No., Power output shall be printed on the Polyester label by BHEL and storing of module data into RFID tag shall be carried out by BHEL. The RFID tag, label and adhesive shall be suitable for sustaining outdoor environment.
3. SCOPE OF SUPPLY: Supply of blank RFID tags with polyester white label for writing the required PV module data into each tag as per JNNSM and printing the Module Sl. No. and Power output on the white polyester label.
4. RFID TAG TECHNOLOGY: Alien Technology ALN-9640 Squiggle
Passive UHF - EPC Gen 2 compliant
ISO/IEC 18000-6C compliant
Operating Frequency 840–960 MHz
Copper/Aluminum antennas (with PET laminate)
5. FORM FACTOR: Wet Inlay
6. RFID TAG DIE-CUT SIZE: (95 – 100) mm x (25 – 30) mm
7. RFID TAG USER MEMORY SIZE: 512 bits
8. The RFID tag shall be compatible for writing data as per JNNSM guidelines with fixed RFID printer-cum-writer station using the software interfaced with the PV Module tester. The written tag shall also be read by a portable RFID reader at the site.
9. RFID tags to be supplied with white polyester label with acrylic adhesion along with peel off paper **in roll form** for affixing the tag on the PV Module back sheet.

Note: Any deviation from the above spec. shall be clearly brought out by the supplier in their offer.

Prepared By - PK	Reviewed By - NAR	Approved By - CNP	Date of Issue
			12.08.2016