Joint Inspection Report

1.	**Details of the Beneficiary**	**:**	
	Proposal Id For example -1-CP0001-3-118-004431	**:**	
	DISCOM Consumer No.	**:**	
2.	**Name of the Channel Partners / Channel Partners (New Entrepreneurs) / Project Developers**	**:**	
3.	**MEDA Sanction No. & Date**	:	
4.	**Stipulated Time limit for Commissioning (In Days)**	**:**	
5.	**Commissioning Date**	**:**	
6.	**Category of Systems (Residential/Institutional/Social Sector)**	**:**	
7.	**Capacity (in KW)**	**:**	
8.	**Capacity Sanction by MEDA**	**:**	
9.	**Total Sanction load (in KW)**	**:**	
10.	**MNRE SPIN Portal PCR Customer No.**	**:**	

S.N.	Components	Std. Specification as per W.O.	Observation/ Remarks
1.	Solar PV modules	The Modules shall contain (Solar PV) Crystalline Silicon Solar Cell Modules and they must be IEC 61215 / IS 14286 standard.	
		No. of Module (in Nos.) SPV Module Capacity (in Wp) Project Capacity (in KW)	
		RFID Tag	
		Purchase Order of SPV modules (checking indigenous SPV mod ules)	
2.	Module Mounting	Hot dip galvanized MS mounting	
	structure	structures may be used for mounting the modules / panels / arrays. Minimum thickness of galvanization should be at least 120 microns.	

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		It shall withstand the wind speed of respective wind zone (wind speed of 150 kM/ hour). Mounting structure steel shall be as per latest IS 2062: 1992 and galvanization of the mounting structure shall be in compliance of latest IS 4759. (as per EoI specifications)	
3.	Junction Boxes	□ The junction boxes shall be made of GRP / FRP / Powder Coated Aluminum /cast aluminum alloy with full dust, water and vermin proof.	
		□ The JBs shall be such that input & output termination can be made through suitable cable glands. All wires / cables must be terminated through cable lugs.	
		□ Copper bus bars / terminal blocks housed in the junction box with suitable termination threads Conforming to IP65 standard and IEC 62208 Hinged door with EPDM rubber gasket to prevent water entry. Provision of earthings. □ Each Junction Box shall have High quality Suitable capacity Metal Oxide Varistors (MOVs) / SPDs, suitable Reverse Blocking Diodes.	
		□ Make of JB:	
4.	DC DISTRIBUTION BOARD	□ It shall have sheet from enclosure of dust & vermin proof conform to IP 65 protection	
5.	Battery Bank (If Any).	□ The cells must be as per IEC Standard & MNRE approved. □ Make:	Capacity: Voltage-.....V Amp-.....Ah No. of Batteries:
6.	MNRE approved Charge Controller	□ Capacity: Voltage-.....V	

S.N.	Components	Std. Specification as per W.O.	Observation/ Remarks
	unit (If Any)	Amp -.....Ah	
7.	MNRE approved Grid Tie Inverter Make: _____ _____	• **Nominal Capacity:** ..... • **Input Voltage-** .....V DC Nominal, The voltage variation shall be as per change in array output, • **Output Voltage** -..... V, 50 Hz, 1φ, **Regulation:** From minimum to maximum voltage 1%, **Output Frequency:** 50 Hz, + 0.5 Hz, 200% for 30 Second, **Efficiency**: 80% at 50% of load and More than 90% at full load 0.8 PF. • Protection against Islanding of grid as per IEEE 1547/UL 1741/ IEC 62116 or equivalent BIS standard.	Capacity-
8.	AC Distribution Panel Board	• All switches and the circuit breakers, connectors should conform to IEC 60947, part I, II and III/ IS 60947 part I, II and III. • AC Distribution Panel Board should have necessary surge arrestors.	
		• Cables must properly align and insulated.	
9.	Danger Notice Plates for system having capacity 10KW or above.	• Danger boards should be provided as and where necessary as per IE Act. /IE rules as amended up to date. • The inscriptions shall be in local language, Hindi and English.	
10.	Earthing Systems.	• The Earthing system for array and distribution system & SPV Power Plant • Each array structure of the PV yard should be grounded/ earthed properly as per	

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		IS:3043-1987	
11.	Tools kit (for system having capacity 10KW or above)	Necessary tools kit is to be provided along with the each Power Plant for any routine maintenance or immediate repair	
12.	Training, Operation Manual & Display Board	Training to the user for operation and maintenance of the system.	
		Supply of manual for Operation and Maintenance in two languages i.e. in English and in Marathi to Beneficiary.	
		Display Board of size 3 ft x 3 ft which gives detailed circuit diagram of the system with its description.	
13.	Net Meter	Details of net meter and Date of commissioning. (Get the details of release order from utility with details of meter.)	
14.	Lightening arrester	Lightning protection should be provided as per IEC 62305 standards.	
15.	Comprehensive Maintenance Contract (CMC)	Yes / No	
16.	Exact Geographic coordinates of the site.	Longitude: Latitude:	

The above system is installed, commissioned and found working satisfactory during the inspection and it is handed over to the beneficiary/user agency.

Sign of Beneficiary	**Sign of Manufacturer**	**Sign of MEDA Official**
Name:	Name:	Name:
Date:	Date:	Date: