

**PERFORMANCE AND MAINTENANCE REPORT
GRID CONNECTED ROOFTOP SOLAR PLANT
(TO BE SUBMITTED QUARTERLY)**

1.

Name of the Promoter	Address of the promoter	Name of the Firm and Address	Type of consumer Domestic/ Commercial/ Industrial/ Others	RTS Plant Capacity

2.

Date of commission	Type of connection (Net/ Gross)	Inverter (Make/ Capacity)	MSPDCL consumer/connection no.

3. Quarterly Maintenance Report for the period of 4 months starting from dated: to dated:

4. Maintenance Check List:

Sl. No.	Particulars	Date	Status	Remark
1.	Checking of Modules for any damage: Panel defects (Yes or No)			
2.	Checking of inter connecting AC and DC cables for any loose connections, short-circuit etc.			
3.	CHECKING OF INVERTER			
	Total energy yield since commissioned, E-Total (kWh)			
	E-total of last maintenance (kWh)			
	Checking of cables (AC/DC) for any loose connection			
	Other internal issues			
4.	CHECKING OF EARTHINGS			
	AC Earthing			
	Corrosion of conductor (Y/N)			
	Loose connection at conductor joints (Y/N)			
	Checking electrode joint (Y/N)			
	Pit Cover (Y/N)			
	DC Earthing			
	Corrosion of conductor (Y/N)			
	Loose connection at conductor joints (Y/N)			
	Checking electrode joint (Y/N)			
	Pit Cover (Y/N)			
	LA earthing			

Insulation of LA conductor (Y/N)			
Corrosion of conductor (Y/N)			
Loose connection at conductor joints (Y/N)			
Checking electrode joint (Y/N)			
Pit Cover (Y/N)			

I, hereby, declare that above physical checks of the RTS plant (from Sl. No. 1 to 4) have been conducted in my presence and the remarks entered at the sideline corresponding to each checking are true to the best of my knowledge.

Name and Signature

Date of maintenance:

Promoter/ Representative (Relationship with the promoter)

5. Any trouble-shootings/defects occurred during the period and rectification details:

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6.

Total energy yield of Inverter since commissioning of the plant (in kWh) :	
Average per day per kW generation of the plant (in kWh) : <i>Calculation of Average per day per kW generation of the plant since inception:</i> $\frac{\text{Total energy yield of Inverter since commissioning of the plant (in kWh)}}{(\text{No. of days in operation} \times \text{kW capacity of plant})}$	
Average per day per kW generation of the plant (in kWh) since last maintenance: <i>Calculation of Average per day per kW generation of the plant since last maintenance:</i> $\frac{\text{Difference in energy yield of Inverter since last maintenance (in kWh)}}{(\text{No. of days in operation since last maintenance} \times \text{kW capacity of plant})}$	

7. Import/Export Reading at the time of maintenance:

Energy Imported from the Grid (kWh)	Energy Exported to the Grid (kWh)

8. Feedback of the promoter/owner:

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9.

Name & Signature of the authorized personnel of the servicing firm:	
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