PlasmaBerry
Harnessing Power of Solar

Operations & Maintenance Scope of Work for Roof Top			Manpower category
Main Activity	**Details of Activities**	**Frequency**	
Module Cleaning	Clean any bird droppings/dark spots on module Clean PV modules with plain water or mild dishwashing detergent.	Fortnightly or as per the site conditions	Cleaning team of 2 members
Monitoring	Daily Operation and Performance	Daily	Supervisor
Documentation	Document all O&M activities in a workbook available to all service personnel	Daily	
Preventive Checks	1. PV module Physical Damage 2. Inspect cabling for sign of cracks, defects, lose connections, overheating, arcing, short or open circuits,and ground faults. 3. Cable tieing up	Monthly	Electrician + Supervisor
Inverter Inspection	1. Check inverter functions on panel 2. Physical cleaning	Monthly	
Preventive Checks	1. Inspect electrical boxes for corrosion or intrusion of water or insects. 2. Box Sealing wherever required 3. Check functioning of switches and breakers. 4. Check Earthing resistance 5. Check Ligthening arrester connections	Bi- Annual	Electrician + Supervisor
Tracker Service	1. Lubricate tracker mounting bearings, gearbox as required.	Bi-annual	
Inverter Inspection	Clean or replace any air filters.	Annual	Supervisor + Electrician + Cleaner
Transformer Inspection	Inspect transformer oil level, temperature gauges, breather, silica gel, meter, connections etc.	Annual	
Tracker Inspection	Inspect gears, gear boxes, bearings as required.	Annual	
Vermin Removal	Remove bird nests or vermin from array and rack area.	Annual	
Management	Manage inventory of spare parts.	As needed	

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