

Loss Prevention Standards – Asset Classes

Ground Mounted PV/Solar Farms - Security Checklist

Version: 1.0

Date: 12th June 2024

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Location	
Date	
Completed by (name and signature)	

	Security Management Checklist	Y/N	Comments
	Security Management Policy: <ul style="list-style-type: none"> Is there a security management policy in place? Is this reviewed at least annually? 		
1.	Security Risk Assessment: <ul style="list-style-type: none"> Has a Security Risk Assessment been completed and/or recently reviewed (including after local or site related security incidents such as theft, fence cutting, gate or lock tampering)? Has a Security Consultant, preferably one registered with the Register of Chartered Security Professionals, and with a speciality in PV/Solar Farms and rural crime been utilised for risk assessment preparation or review? Have all actions identified in the Security Risk Assessment been completed or scheduled for completion? Are local security issues or incidents monitored? 		
2.	Security Guarding: <ul style="list-style-type: none"> Are guarding arrangements in place with an SIA registered security company? Are inspection reports/logs produced? If so, are these reports/logs reviewed for adequacy? Have all issues identified by the security guarding company been suitably actioned? 		
3.	Maintenance: <ul style="list-style-type: none"> Are there recorded maintenance schedules in respect of: <ul style="list-style-type: none"> Fencing. Locks. Detection. 		

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	<ul style="list-style-type: none"> ▪ Forensic Marking. ▪ VSS. 		
4.	<p>Self Inspections:</p> <ul style="list-style-type: none"> • Is a recorded self inspection regime in place? • Are self inspections up to date? • Have any issues identified in the self inspection regime been repaired or repairs instigated? 		
	<p>Emergency Response Plan:</p> <ul style="list-style-type: none"> • Has a recorded Emergency Response Plan been completed and/or recently reviewed? • Have any actions identified in the Emergency Response Plan been completed or scheduled for completion? • Does the Emergency Response Plan have an appropriate response time agreed with the security company? • Is there notification to the appropriate officials and personnel to respond to an incident? • Are staff members prohibited from attending emergency notifications without police or security guard presence? • Are security system providers contracted to attend site and carry out emergency repairs 24/7/365? 		
	<p>Cyber Security:</p> <ul style="list-style-type: none"> • Are appropriate cyber security measures in place? • Are risk assessments in place and regularly reviewed? • Are management policies in place detailing key responsibilities, protocols, and policies? • Are these policies regularly reviewed? 		

Scheduled Site Inspection Checklist		Y/N	Comments
5.	<p>Perimeter Fencing:</p> <ul style="list-style-type: none"> • Is perimeter fencing appropriate for perimeter protection e.g., intruder resisting? • Has a cross section of the perimeter fencing been inspected? • Were any issues such as cutting, or signs of tamper evidenced? • If so, have repairs been instigated? • Are any terraforming or security ditches maintained in good condition? 		

	<ul style="list-style-type: none"> • Is security signage (Forensic marking, security guarding, VSS etc.) displayed at regular points? • Are emergency contact numbers provided? 		
6.	<p>Access Gates:</p> <ul style="list-style-type: none"> • Are all access gates and posts in good working condition? • Are hinges suitably capped or spot welded? • Are CEN Grade 4 or 5 padlocks fitted? • Are good quality chains used? • Are padlocks housed within steel enclosures? • Is security signage (forensic marking, security guarding, VSS etc.) displayed on all access gates? • Are emergency contact numbers provided? • Are security posts installed at least one metre in front of access gates? • If not, are moveable barriers utilised to protect against unauthorised vehicular access? • Is any lift truck equipment for the handling of moveable barriers secured and isolated to prevent unauthorised use? 		
7.	<p>Video Surveillance Systems</p> <ul style="list-style-type: none"> • Is the VSS system and detection in good working order? • Are remote monitoring systems working correctly? • If not, have repairs been instigated? • Are cameras covering all access gates, full perimeter fencing, critical equipment, and buildings? • Are all cameras functioning correctly? • If not, have repairs or replacement been instigated? • Is any perimeter intrusion detection (PID), typically mounted to perimeter fencing, in good working order with no signs of tampering? • If not, have repairs been instigated? • If present, has the audio challenge facility been tested with the Remote Video Response Centre (RVRC)? 		
8.	<p>Physical Security:</p> <ul style="list-style-type: none"> • Are buildings secured with good quality BS3621 compliant locks? • Are windows secured with key operated locks? • If so, have keys been removed from locks? • Are compounds secured with good quality padlocks? 		

9.	<p>General Security:</p> <ul style="list-style-type: none"> • Are any theft attractive spares stored at the site e.g., PV/Solar panels, cabling etc? • If so, has storage been reduced to essential spares only? • Are the remaining theft attractive spares stored in a robust building with appropriate security to door openings (windows not recommended)? • Is diesel for any back up generators reduced to essential supplies and adequately secured. • Are PV/Solar panels secured in place as per the design? • Is there sign of tampering to any panels? • If so, have repairs been instigated? • Is any concrete backfilling showing signs of damage or wear? • If so, have repairs been instigated? 		
10.	<p>Forensic Marking:</p> <ul style="list-style-type: none"> • Is forensic marking signage displayed on all access gates? • Has forensic marking been applied to cabling including buried and string cables, PV/Solar panels, and other valuable equipment onsite? • Where applied in excess of five years, has the marking been renewed/reinstated? 		

10.	<p>Additional comments:</p>
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