Infinity Renewables Group Ltd
The Pinnacle, Station Way,
Crawley, West Sussex,
RH10 1JH

Task Description	Installation and Handling of a PV solar system
Location	12 Craddocks Avenue, Ashtead, Surrey, KT211PB

Assessors Name	Assessors Signature	Persons Affected By This Risk Assessment
Mitchell Pannel	Mitchell Pannel	Installer, Sub-Contractor, Members of the Public, and Client

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Injury to staff, other contractors, and visitors during works.	It is vitally important that potentially hazardous areas are signposted, barricaded and, where appropriate, covered to avoid possible injury to workers and members of the public. Anyone who may be affected by the works to be informed of site work, especially tenants and other contractors. Site to be secured to prevent un authorised access. Foreman is to ensure no one access site without permit, or permission Staff will cordon off work area and ensure tenants do not enter area of danger Staff to wear appropriate PPE at all times e.g. high visibility vests and hard hat / helmet when at height. Hand tools and power tools will not be left unattended The site will be made safe at the end of each shift Staff will follow the method statement devised for this task	2	3	6

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Injury from slips trips and falls.	All staff will keep the working area tidy and remove trip hazards as and when they occur. All staff will wear suitable footwear at all times	1	3	3

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Injury from incorrect manual handling	Staff trained in correct lifting methods Staff to be aware of safe working loads Lifting equipment provided where loads are heavy including sack / wheel barrows or chain hoists or rope hoists where appropriate. Dual lifting to be used on awkward lifts If employees are unhappy with any task then they should contact the site manager to discuss a safe method of performing the task.	1	3	3

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Injury from power tool hazards and machine hazards	Hand tools and power tools will not be left unattended. The site will be made safe at the end of each shift. Staff will follow the method statement devised for this task. All power tools and machinery must comply with Provision and Use of Work Equipment Regulations 1998. All employees and contractors must have received instruction in the safe use and operation of the equipment they are proposing to use. Eye protection must be worn at all times when there is a risk of flying parts, dust or fragments. All power tools and machinery must be regularly inspected and maintained in good condition. Any faulty equipment should be removed from use labelled as faulty. And the site manager informed to arrange its replacement.	1	4	4

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Injury to staff other contractors and visitors during handling glass solar panels	Appropriate gloves and suitable eye protection must be worn when handling the glass solar panels. Only Competent persons should carry out the work.	1	5	5

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Working at rooftop height	Safe access and egress to the roof must be ensured, no one shall work within 2 metres of an unprotected edge unless wearing suitably secured fall restraint equipment Appropriate inspection certificate attached to scaffolding from erector. Scaffolding to be inspected daily for vandalism and environmental damage prior to commencement of work each day. To ensure fit for purpose. Lanyards and safety harnesses to be inspected prior to use and removed from use if fault found. Labelled as faulty and the site manager informed to arrange its replacement. All employees to have a current working at heights training. Signage to be plainly seen by members of the public explaining potential falling objects and men working above. Where practicable prevent unauthorised access to the area. Staff should assess the local weather conditions before moving to height, and ensure that it is safe to do so.	1	5	5

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Inclement Weather	All staff have been informed of the greater risk of injury when working in inclement weather, all frost and snow will be cleared from access equipment and roofs if work in these conditions can not be avoided The site foreman is responsible for suspending work if weather conditions make the task unsafe Ensure safety of electrical equipment in wet weather as unsuitable equipment can easily become live and make its surroundings live. Take account of weather conditions, wear appropriate clothing and take warm drinks in cold weather. Cover up or apply sun block to prevent sunburn during hot weather.	1	3	3

Hazard / Consequences	Control Procedures	Likelihood (a)	Severity (b)	Risk Ranking (= a x b)
Danger of Electric Shock	All electrical work to be performed by trained personnel. Safe isolation of A/C Circuits Safe isolation of D/C Circuits Insulation resistance testing of PV array Staff will follow the method statement for this task	1	5	5

	Likelihood		Severity		Priority
1	Highly Unlikely	1	Trivial	1	Urgent action – (Risk no 15 – 25)
2	Unlikely	2	Minor Injury	2	High Priority – (Risk no 10 – 12)
3	Possible	3	Over 3 day Injury	3	Medium Priority – (Risk no 5 – 9)
4	Probable	4	Major Injury	4	Low Priority – Risk no (2 – 4)
5	Certain	5	Incapacity or Death	5	Very Low Priority– No Action required (Risk no 1)