

KIRIBATI OUTER ISLANDS RESILIENCE AND ADAPTATION PROJECT ANTICIPATED ENVIRONMENTAL AND SOCIAL RISK AND RESPONSE PATROLING AND MONITORING CHECKLIST

Table 1 below is list of potential environmental and social risks (E&S and O&M management) response checklist that the Islands have made inputs into for the infiltration gallery (well) solar pump systems checklists, during their on-Island trainings (2025). The Islands will utilise the checklists during and after the infiltration gallery (well) solar pump system installations. The checklists will have to be incorporated into their annual workplan to implement the ESCOPs on the Islands.

Table 1 Environmental and social risk management checklist for KOIRAP Kiribati Islands infiltration gallery (well) solar pump system installations.

PART 1 ENVIRONMENTAL AND SOCIAL RISK MANAGEMENT SCHEDULE

Date	Environmental risk (25%)	Environmental and social code of practice	Lead responsibility	Comments	Completed (tick box ✓)
	<i>Note</i>	<i>Refer to Attachment 1</i>	<i>(Patrolling will be incorporated into annual workplan and carried out during working hours without adversely impacting work schedule)?</i>		
	Solid waste pollution	No burning of waste Dig pit per designated community site, put solid waste into the pit throughout construction work and bury waste on completion of construction	IDO and community		

		work Dispose of safe solid waste in landfill			
	Noise pollution	Workers work time from 0600hrs or 0900hrs to 1715hrs only Workers find space appropriate farther from public to do noisy work Police patrol and ensure work timetable is followed applying minimal noise as possible	IDO, allocated Police personnel per community during construction work		
	Air pollution (dust)	Community per site waters ground with water if possible? Otherwise, Workers wear correct dust safe PPE (Hard hat, safety glasses, masks, closed shoes, appropriate clothing, work vests) Ensure public is far from	IDO, Police, Community people		

		worksite			
	Water pollution (contamination)	Workers conserve water by reducing freshwater usage for work during constructions and avoid means of freshwater lens, well contamination	IDO, Police, ST and community Workers		
	Vegetation/Biodiversity loss.	Any plants cut down for construction work and installation of systems as required for hygiene and optimum equipment function Community program in place for replanting coconut tree, food, medicine and other plant elsewhere on Islands to reduce loss of biodiversity per sub project activity	IDO and community		
	Public health and safety.	Ensure on site OHS, health, hygiene and safety as applicable via police and nurse patrol?	IDO, village: Police and Nurse		

	SOCIAL RISK				
	Worker health and safety	Ensure worker health and safety during construction per site via patrol and management	IDO, village: Police and Nurse		
	Public health and safety (including pedestrian safety)	Ensure public and pedestrian health and safety during construction per site via patrol and management	IDO, Police and Nurse		
	Traffic and access disruption	Ensure no dangerous traffic during construction per site via patrol and management	IDO, Police		
	Increase in Gender based violence and discrimination.	Ensure public and workers safety during construction per site via patrol and management	IDO, Police		
	Physical, verbal or mental assault/harassment.	Ensure public and workers safety during construction per site via patrol and management	IDO, Police		
	Sexual assault/Sexual exploitation and abuse.	Ensure public and workers safety during construction per site via patrol and	IDO, Police		

		management			
	Child labor.	Ensure no child labour is used and that workers are 18 years of age and above Ensure child safety during construction per site via patrol and management	IDO, Police		
	Community grievances and social disharmony.	Ensure that the public access the GRM during construction per site via patrol and management	IDO, Police		
	All applicable environment and social safety via discretion	Ensure	IDO, Police, nurse and community		

Table 2 below is list of the infiltration gallery (well) solar pump system risks (O&M) response checklist that the Islands have also made inputs into which can be incorporated into their annual workplan to implement the ESCOPs on the Islands.

Table 2 Operational and maintenance checklist for the Islands infiltration gallery (well) solar pump systems

PART 2 OPERATIONAL AND MAINTENANCE SCHEDULE

Date	Environmental and social code of practice work	Schedule	Duty	Comments	Completed (tick box ✓)
Note	Refer to Attachment 2				
	Annual water quality testing of well and capacity	X2	Nonouti and Nikunau: IDO,		

	building of testing to Islands Council Officers and community		Water Technician		
	Annual check and cleaning of system	X4	IDO, Water Technician (has equipment knows how to use the solar pump to dewater the well (kaika te mwanibwa) in order to clean out or refresh the well water), Community		
	Annual check and repair of system parts as required and capacity building to relevant community personnels Upgrade lid of well, bleach clean well using the Ministry of Environment and MHMS measurements? Make manual on how to use pump to dewater well for community people to use?	X2	IDO, Community, Nurse, MHMS		

	Weekly check and cleaning up of area and system equipment surfaces	X1	IDO, Water Technician, plumber community youth group?		
	Council opens a bank account of its own?	X1	Islands Council Officers (relevant)		
	<p>IMPORTANT</p> <p>Weekly somebody checks that:</p> <p>Pumping and drawing of water from infiltration gallery is timed and managed to control overdraw of freshwater which can seriously affect the salinity of freshwater around the site or on the Islands</p> <p>Water distribution to community households is rationed</p>	X3	IDO, relevant community personnels, police service, assigned village wardens on patrol		
	<p>Monthly somebody check and in charge of finance strategy for SPS</p> <p>Selling of water to community users?</p>	X1	IDO, relevant community personnels		

	Monthly somebody in charge of community paying fee for using water to Council?	X1	IDO, community personnel		
	Monthly somebody in charge of collecting water usage fees from community	X1	IDO, community personnel		
	Monthly somebody in charge of banking and saving money from selling water?	X1	IDO and relevant Islands Council finance personnel		
	Annually somebody in charge of funds for system water selling to fund O&M	X1	IDO and relevant Islands Council finance personnel		
	Council saves funds from system water selling for O&M work in bank account and uses it as required		Islands Council Officers (relevant)		
	Annual auditing of funds	X1	Islands Council Officer (relevant), MCIA?		
	Produce media on hygiene operation and maintenance for Nonouti and Nikunau public to view and learn from over time maybe they can apply it	X1	Islands Council Officers and KOIRAP (relevant)		

	Media could include capacity building on system O&M Financial strategy				
	Annual capacity building workshops on system O&M	X1	IDO, MCIA, KOIRAP and community?		