Ref.	Phase	Commitment	Topics	Responsibility	Source Document	Management Plan Reference	Project Worksite
0	1	2	3	4	5	6	8
1	Construction	 Maintain a Project mandatory 250m buffer zone between temporary construction compounds (laydown, waste, parking area, stockpiles) and the L-S Protected Area Construct new road sections following site clearance and stockpile management requirements, including ensuring any stockpiles are covered to minimise dust events. Excavation, handling and transport of erodible materials shall be avoided under high wind conditions where practicable. Des water (from a sustainable source) or other control measures such as chemical bonding agents or aggregate to control dust. Demarcate delivery roads and access tracks at site and ensure all workers stick to demarcated areas. No plant or equipment to be stored less than 250m from the L-S Protected Area No onsite cement batching - use existing concrete batching plants in the local area for cement production or use pre-cast concrete blocks 	Air emissions Construction dust	EPC contractor	ESIA 2024	Pollution Prevention & Control Plan	Site Construction Laydown Area Temporary Access Roads
-	Construction	Mitigation of impacts in relation to generation of dust and vehicle / machinery emissions will be managed through the development of the CESMP and CTMP for the construction phase which will specify appropriate measures for the management of dust and fugitive emissions: Omstruction Trafic Management Plan (CTMP) to incorporate all relevant mitigation measures for vehicle movement nearby and within the project areas Winimise stockpiling of soil and earthem material through coordination of earthworks and excavation activities (excavation, grading, compacting, etc.); The activities of loading/unloading means of transport, which generate dust in periods of strong wind, will be avoided. They activities of loading/unloading means of transport, which generate dust in periods of strong wind, will be avoided. They activities of loading/unloading means of transport, which generate dust in periods of strong wind, will be avoided. They activities of loading/unloading means of transport, which generate dust in periods of strong wind, will be avoided. They material anywhere on construction sites is bannet; They material anywhere on construction sites is bannet; They material anywhere on construction sites is bannet; They activities greated and workings will be sheeted at all times; They activities greate and erain and workings will be sheeted at all time; They activities appeared and workings will be sheeted at all time; They activitie and they are and quipment to be maintained in good working order and not left running when not in use; They and equipment to the maintained in good working order and not left running when not in use; The activities presend and quipment to be maintained in good working order and not left running when not in use; They activitie and they are equipment to be maintained in good working order and not left running when not in use; The activities and the duration of the wanking any defects. They active the size and the duration of	Air emissions Construction dust	EPC contractor	ESIA 2024	Pollution Prevention & Control Plan	All Project Worksites
2	Operation and maintenance	 To reduce the impact on the air environment factor, the following general measures will be taken, considering that the operational project does not pose any risks associated with emissions to air: Periodic checks will be carried out on machinery and road/site vehicles so that they are in good technical condition and do not emit exhause gases beyond the permitted limits Waste will be stored in specially arranged places for the shortest period of time Exploitation roads will be maintained Maximum travel speeds of vehicles used in maintenance will be imposed Planning and complying with the maintenance and operation plans of the PV plant, carrying them out in a safe manner. 	Air emssions	Projecy owner/ O&M contractor	ESIA 2024	OESMP	Project site
4	Design/Contract/ Construction	• All equipment to have a noise level of less than 85dB(A) at 1m from the equipment. • Beduce project traffic routing through community areas wherever possible (consider exclusion of Access option 3) • Baseline noise assessment and access point at representative receptors in Polkovnik Lambrinovo and along R218	Noise	Project owner	ESIA 2024	Pollution Prevention & Control Plan	All Project Worksites

Construction	• No noisy or high-noise activities are to be undertaken outside regular working hours (7 am to 6 pm) without prior approval of the Project Company.	Noise	EPC contractor	ESI
	•Eocate all equipment and laydown area at least 250 m from any sensitive receptors (specifically).			
	•All observations and non-conformances will be managed through a corrective action tracker and reviewed weekly. and L-S Protected Area.			
	•No blasting without prior approval of the Project Company.			
	• Equipment maintenance, and noise/vibration emissions and monitoring during construction will be managed through the development of a robust Construction Environmental			
	Management Plan (CEMP). The mitigation measures for noise impacts will include, as a minimum, the following:			
	•Adhering to a speed limit of 15-20km/h for trucks on the construction site			
	•Development of the CIMP (see mitigation measures propose for traffic management);			
	• Taking advantage of the natural topography as a noise buffer during facility design			
	• Itemporary acoustic screening it required; installing acoustic enclosures for equipment casing radiating noise			
	• Select equipment with lower sound power levels			
	• Install suitable mutters on engine exhausts and compressor components			
	• Install vibration isolation for mechanical equipment			
	• avoid simulateous work aduvides that generate high levels of noise/ voluation emissions,			
	-enormoundation on local residents in case on important work advises intra generate hoise and/or vibrations,			
	 Emitting the house of operation for specific precision equipment of operations, especially modifies ources operating through community areas Revenue to report and respond to complaints 			
	 Developing a mechanism to record and response to compliance Monthly noise measurements of the noise level at the nearest sensitive receivers will asist in demonstrating compliance of construction activities with required noise levels. The noise level 			
	will be measurements of the house or other consisting erectors in polycomic lambrane or onstruction address that requires the house or other consisting compared to the reserved will be measuremented by a set of the PV plant from road 118 during the			
	with be measured real the near the set most of the sensitive receptor in rokovink tanton novo (minimum of 2 points) and at the access road of the ro plant non-road 210 during the material transmost activities and compared to the admissible limits			
	Monitor the grievance log for noise-related complaints			
	 Conduct noise monitoring in case of a noise complaint or evidence of exceedance of community noise guidelines values. 			
			500 1 1	501
Construction	Mitigations to address soil compaction and erosion:	Geology and soil	EPC contractor	ESI
	• Mites/vegetation clearance, sites preparation, excavations, and improvement of existing roads and construction of additional access roads should not be carried out during periods of			
	torrential rain or storms and neavy wind, to minimize compaction and erosion;			
	 Grade temporary access roads so their slope is not too large to avoid the build-up or last-running run-on water during extreme precipitation events. Rehabilitation is transmission and explanation from surface superior is a lower than a second during extreme precipitation events. 			
	 Behabilitation interventions in the priority areas (i.e. areas where there is a low interimous of hatural revegetation of where areas are prone to compaction and erosion norm surface function should be prioritised; 			
	should be prioritized,			
	• The top set of refue solit studie be removed (where possible) during construction works and stored. Topson stripping is datainy done by removing the upper layer of the solit up to 2m.			
	• Who update the solution and erosion events be identified annonnitie remedial actions including restoration of the compaction and erosion events be identified annonnitie remedial actions including restoration of the compactation of the compaction and erosion events be identified annonnities remedial actions including restoration of the compactation of the compact			
	note compaction and for ension should be undertaken			
	 Pland (vegetation clearance should only be undertaken immediately prior to construction activities taken place there 			
	•Onnecessary land/veretation clearance should be avoided			
	Minimise unnecessary soil/vegetation disturbance during construction.			
	•Use only demarcated areas for laydown and access (construction and operation)			
	Minimise trenches or other steep-walled excavations			
	Backfill open excavations as soon as possible after construction activity			
	• The footprints for all construction sites and areas for associated facilities/infrastructure (e.g. borrow and disposal areas, lay-down areas, construction/management sites and temporary			
	offices) should be restricted to minimum feasible extent with measures implemented to avoid footprint creep,			
	•Dnless foreign material, such as aggregate (e.g. crushed stone, ballast, gravel, sand), needs to be inserted, after the installation of features requiring the excavation of a deep holes, soil			
	should be replaced in the holes so as to mimic the pre-construction profile.			
	 Adopt tension stringing technique to avoid impact on soils between the towers and stringing points. 			
	•Confine traffic movement to existing roads/tarmac areas within the PV Site.			
	•Immediately restore the topsoil and vegetative cover using seeded restoration techniques for all already disturbed areas (where work is not planned) in the PV Site.			

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Pollution Prevention & All Project Worksites **Control Plan**

SIA 2024

Topsoil Management and Site

Site Reinstatement Plan Construction Laydown Area Temporary Access Roads

Construction	Mitigations to addresss soil contamination:	Geology and soil	FPC contractor	FSI
construction	• Montract a licensed contractor to collect transport and treat domestic construction and bazardous wastes from Project sites	acology and som	El c contractor	LJI
	• Brohibit dumping any types of solid waste to the soil or huming waste of sites			
	enounce that hazardous materials are stored in designated areas that are designed with impermeable floor inflammable walls and accessible to authorized personnel			
	Hazardous waste shall be romerly managed in accordance with existing legislation on bazardous waste			
	•Maintenance works are restricted to specially designated platforms with strict control of accidental spills			
	•Brocedures for resonating to emergencies / accidental solids of hazardous materials fuel and handling, and waste management are developed and implemented			
	• Bit case of accidental/unintended suilage the contaminated soil should be immediately collected and stored as bazardous waste			
	- Oil intercentors and silt trans shall be implemented to manage and retain sediments on site for surface water runoff			
	•Spill containment and clean-up kits will be available on-site, and clean-up from any spill shall be appropriately contained and disposed of at a bound landfill site.			
	• Preparation of guidelines and procedures for immediate clean-up actions following any oil, fuel or chemical spillages.			
	• Develop a site-specific Emergency Response Plan for soil clean-up and decontamination.			
	• Bindlement a training program to familiarize staff with emergency procedures and practices related to contamination events.			
	•Develop and implement a waste management plan (as part of the CESMS) to ensure that waste is disposed of correctly such that soil contamination is minimized.			
	•Bund of areas where hazardous substances are stored (e.g., fuel, waste areas).			
	• Eucl, oil, and used oil storage areas shall be contained in bunds of 110 per cent capacity of the stored material;			
	•Refuelling shall be carried out in designated areas using strict protocols			
	•Construction vehicles/pieces of machinery and equipment shall be serviced regularly at off-site locations;			
	•Ensure that all construction plant and equipment are maintained in a good state of repair with minimal leaks;			
	•Ensure storage areas have impermeable floors and containment of capacity to accommodate 110% of the volume of the largest waste container;			
	•Behabilitation and re-vegetation of cleared areas adjacent to the project development area. In addition, after completion of construction, all the temporary roads and embankments will be			
	reinstated, lands will be re-cultivated, and the micro relief will be reproduced.			
	• Adequate sanitary facilities should be provided for the construction workforce. One mini toilet is recommended for every seven workers and not less than 1:15 workers.			
	•Ecensed companies shall be contracted to manage and dispose of wastes, wastewater and sludge from the septic tank.			
Pro construction	• Pacure all companyation is paid arise to company and of construction activities	Land Lico	Project owner	ECI
Fie-construction		Lanu Ose	Floject owner	LJI
Construction	• activities within the perimeter will be carried out on strictly necessary areas provided by the project, without occupation of additional land.	Land Use	EPC contractor	ESI
	• 20 onstruction equipment and means of transport will only transit the areas provided by the project, on well-established routes, without affecting additional land surfaces.			
	•Materials, raw materials and/or waste warehouses will not be set up in the vicinity of the locations, on other surfaces than those provided by the project (existing project boundary).			
	• The technological processes that produce a lot of dust, such as the case of earth fillings, will be reduced in periods of strong wind or a more intensive wetting of the surfaces will be carried			
	out, to avoid affecting the use of the neighbouring lands.			
	• Waste will be temporarily stored strictly in the areas provided by the project, until it is handed over to specialised companies in order to take over the waste from the site - this will ensure			
	waste generated by way the project will not adversley impact areas outside the site.			
	• After completion of construction works, the contractor will sanitise and restore all the surfaces used for any purpose during the works, in a way that meets the environmental protection			
	measures. Thus, areas temporarily removed from agricultural use will be returned to agricultural use after completion of construction.			

• Don the completion of construction activities, fully reinstate leased land and ensure it is handed over in its original conditions, to the extent possible

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SIA 2024

Pollution Prevention & Site Control Plan;

Construction Laydown Area Waste Management Plan Temporary Access Roads

SIA 2024

Compensation records Poject

SIA 2024

Pollution Prevention & All Project Worksites Control Plan

Construction/ Mitigation measures to address impact on water quality (groundwater and surface water resources): Groundwater and surface EPC contractor ESIA 2024 Pollution Prevention & All Project Worksites operations • Prohibit groundwater for potable or construction-related purposes. **Control Plan** • Ensure the drainage system includes a containment system for collecting intermittent contaminated wastewater streams, from abnormal operating scenarios or during wet cleaning of panels (maximum of 4 times per year). •Portable latrines or septic tanks are to be installed at least 250 m away from the site boundary (in particular, in the northwest of the site near the L-S Protected Area). •All concrete will be delivered to the site pre-mixed or pre-cast from third parties with approved water use licences • Indertake groundwork to ensure appropriate site drainage (avoiding contamination runoff risk). • Indertake due diligence of the WWTP in Silistra for alignment with GIP •No storage or laydown areas within 250m of the L-S Protected Area boundary or off-site residential receptors • Install sediment traps and culverts as part of the drainage infrastructure around the Project sites prior to clearance and earthorks, so as to prevent any sediment run-off into the surrounding area. • Provide culverts along new access roads to facilitate drainage along with ditches. Where practical, exposed surfaces and friable materials should be covered. Provide sufficient toilets at active work areas for staff and workers and these should be serviced regularly by a competent and suitably gualified person. • Contractors and applicable Project staff should be trained regarding proper methods for transporting, transferring and hazardous substances that have the potential to impact water resources • Breas where spillage of contaminants occurs should be excavated (to the depth of contamination) and suitably rehabilitated. If any other minor spillage occurs, it should be cleaned immediately, and the contaminated area should be rehabilitated. • The washing of Project vehicles in any surface water bodies in and around Project site(s) will be strictly prohibited. All Project vehicles should be washed at designated washbays on site/s. These wash bays will include oil/grease and sediment traps for grey water Undertake concrete washout in designated and signed areas to prevent leaks or spread of wastewater. • Construct the concrete washout area and maintained it in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations. •The concrete washout area will have an impermeable surface with dedicated drainage systems. • Indertake the removal of any sludge residues as solid hazardous waste only by a licensed waste/wastewater contractor and handle as a hazardous waste. • Prevent any ad-hoc maintenance of vehicles/equipment in and around the Project site(s). All vehicles/equipment should be maintained at a designated workshop. The workshop will include an oil/grease trap. • Maintain all active work areas in a good and tidy condition; debris and waste should be contained in such a way that they cannot become entrained into surface run during periods of heavy rain. Management of sewage shall be by a licenced contractor. • Provide hazardous waste storage areas with secondary containment. Moreover, hazardous waste should be stored in sealed/covered containers to prevent rainwater intrusion. • Provide all dangerous and hazardous material stores and handling areas with secondary containment capable of holding 110% of the total capacity of all tanks/vessels • Confine the loading and unloading of dangerous and hazardous material to areas that are provided with secondary containment and in line with hazardous material handling procedures. •Develop and implement a grievance procedure in the event of any water reduction and subsequent water availability complaints being received. ESIA 2024 Stakeholder Engagement All Project Worksites Construction Groundwater and surface Project owner water Plan Construction EPC contractor will develop a Wastewater Management Plan in compliance with Bulgarian legislation, IFI Requirements and GIIP (Good international industry practice) that will also include Wastewater EPC contractor ESIA 2024 Waste Management Plan All Project Worksites measures to ensure: • The construction contractor must ensure that the temporary offices have adequate wastewater handling and disposal facilities. Their disposal must be made in close collaboration with the local government authorities (i.e., municipalities) and licensed companies. •Excavation must not occur in extreme weather conditions (rain, strong wind). • Prohibited to discharge of the resulting water during the construction period, on the ground, on the site or in the vicinity. •The removal of the oil products accidentally leaked from the machines in operation will be carried out using absorbent materials that will then be stored in specially arranged spaces and handed over to the authorized units for collection and/or disposal. • The handling of materials or other substances used in technologies will be carried out in such a way as to avoid their dissolution and entrainment by precipitation waters. • Equipment and means of transport will be periodically checked to avoid the possibility of accidental leaks due to their defects. • The storage of materials within the organization of the construction site must ensure the security of the warehouses and adequate and efficient handling, all this to avoid losses and accidental pollution. • Washing of means of transport and equipment will be done exclusively in areas specially arranged for such operations. • Avoidance of refuelling on site to prevent oil spills. If this is not possible, procedures will be developed to avoid accidental spillage, like providing drip trays and bunding for storing fuel and waste chemicals/ substances. In case of accidental leakage of petroleum products, absorbent substances will be applied immediately. • Responsible storage and disposal of liquid effluents such as sewage from temporary accommodation using certified disposal companies. • Intermediate warehouses of bulk construction materials, which can be washed away by rainwater and can pollute the soil, subsoil and underground water, must be stored in closed or covered spaces; the materials will be transported in conditions that limit the pollution of the atmosphere by sprinkling the material, covering it, using trucks with buckets/containers suitable for the type of material transported, etc. • The work schedule must prevent the overloading of the site with materials, as well as the too-long storage of material stocks on the site. •Technology for executing the project's objectives will be respected, taking measures to prevent and combat accidental pollution. • Comply with the environmental and execution conditions of the works imposed in the project for the execution of the works.

Good general housekeeping.

• Conduct continuous training and education awareness of all project employees regarding waste management practices to avoid reducing the risks of waste generation and potential impact during the construction phase.

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Design/ construction • Project contracts to obligate the Project PV panel suppliers to remove panels for recycling

• Dentify recycling options for waste, such as any electric waste, broken PV panels/modules, packaging waste, etc., through authorized/licensed waste management companies. • Ensure selected PV modules include all costs for returning and decommissioning PV panels (intermittently during operation and end of life).

• Prohibit the following materials in the EPC Contract / Procurement Policy

- o \Lambda sbestos
- o PCB containing materials
- ollead-based paints
- oPesticide, herbicides as defined under the Stockholm Convention

FPC contractor FSIA 2024

Solid waste

Waste Management Plan All Project Worksites

Construction	 Develop a construction site Waste Management Plan (as part of the cESMS) Require EPC contractor to conduct a duty of care audit for proposed general waste, construction waste, hazardous waste and recycling facilities in the municipality and region to confirm compliance with GIIP for acceptance by the Project Company. EPC contractor to ensure all subcontractors use approved waste disposal routes only following the outcomes of the waste due diligence audits. Site all temporary onsite waste storage areas at least 200 from the L-S Protected area 	Solid waste	EPC contractor	ESIA 2025	Waste Management Plan	All Project Worksites
Construction/ operation	The EPC contractor and 0&M contractor will develop a Waste Management Plan appropriate to the project stage in compliance with Bulgarian legislation, IFI Requirements and GIIP that will also include measures to ensure: •Offices have adequate waste handling and disposal facilities. Arrangements for collecting non-hazardous and hazardous wastes must include on-site waste bin quipment provisions. Waste bins are recommended to be segregated according to the waste stream, e.g., organic, hazardous, paper/cardboard, plastic, and metallic waste. Their disposal and recycling must be made in close collaboration with the local government authorities (i.e., municipalities) and licensed waste recycling companies. Provision of chemical/ mini toilets for workers at the base camp must be in the ratio of 1.17 and maximum of 11.15 (fulie to overlay), respectively, to maintain hygineric and clean surroundings. •Eood/organic waste and recyclables, such as paper, plastic, scrap metal waste, etc. must be appropriately segregated and stored in designated waste bins/containers and periodically deposited in approved disposal areas or sold to licensed recycling companies. •Ensure electrical waste (consumables, spare parts and obsolete equipment) and broken solar panels are adequately packed and sent back to the manufacturer or reused in other forms and locations: •Segregation, reuse and, where feasible, recycling of wastes by registered operator; construction contractor must follow the 3R policy to manage the solid waste: •Waste storage/collection areas shall be fenced, laid at the bottom with an impermeable cover and equipped with relevant signage (e.g., urban waste collection area); any waste fuels/oils or chemicals fusubarnees. •Wood general housekeeping. •Wood storage of fuelling on site to prevent in splis. If this is not possible, procedures will be developed to avoid accidental spillage, like providing drip trays and bunding for storing fuel and waste chemicals/ substraces. •Good general housekeeping. •Sogregation handing and st	ill Solid waste	EPC contractor	ESIA 2026	Waste Management Plan	All Project Worksites
Construction	 In situ testing of soil to ensure it is not contaminated and can be reused or disposed into land. In an ing – contractor staff to be able to identify signs of potential contamination (smell of HC, staining). 	Solid waste	EPC contractor	ESIA 2024	Construction Waste Management Plan	All Project Worksites
Construction	 Implement relevant construction standards (e.g. 'Construction Code of Practice for the Sustainable Use of Soils on Construction Sites' – DEFRA, 2009). Demarcate the construction zone or servitude for the TL corridor on a map and on the ground clearly using high visibility tape for instance, to avoid impacting on sensitive areas outside of the permitted construction area Avoid locating construction camps and material/equipment laydown areas within or near identified natural or semi-natural habitat Dtilise existing roads wherever possible 	Designated and protected areas	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
Pre-construction	 Prior to financing, conduct Critical Habitat Assessment for potential critical habitat triggers (e.g. based on CH criteria i, v, vi per EBRD PR6) for the potential trigger species highlighted in the ESIA Design where possible lighting that is activated to work only during movement and the emitted light should be outside the ultraviolet spectrum if possible - for some types of insects, amphibians and reptiles, this can reduce their barrier effect or disorientation in space. For nocturnal birds of prey, it will reduce the element of anxiety Before the start of construction and during all stages of the construction, a team of environmental biodiversity experts must be present to the territories and, if necessary, remove amphibians or reptiles from the areas intended for construction, in accordance with the construction scheme. Thus, the probability of mortality of individuals will be significantly reduced. 	Habitats Habitat loss / degradation / fragmentation	Project owner/EP contractor	C ESIA 2025	CHA report	Site

	Construction	 Worker/contractor training/awareness, supervision regarding impacts to animals and protection of species Prohibit poaching and interactions with fauna and flora in the worker code of conduct Avoid locating construction camps and material/equipment laydown areas within or near identified natural or semi-natural habitat 	Habitats Habitat loss /degradation / fragmentation	EPC contractor	ESIA 2025	Biodiversity Management Plan	All Project Worksites
		 Develop a suitable post-construction habitat restoration plan for temporary areas used during construction Use existing access roads or upgrade existing roads wherever possible before considered new access road construction Place appropriate limits on the number of vehicle movements to and from the Project site 	-General provisions				
		 Prohibit the use of herbicides to limit the spread of grass, tree and shrub vegetation in PP areas - this will limit possible negative effects on insects, amphibians and entrants, such as mortality or possible disease 					
		 Where possible, storage of materials should only be in areas around the airport runway - this will lead to limiting effects of temporary soil damage and reducing the area for reproduction, development and foraging in most animal groups and will reduce unnecessary trampling of territory and changes in mechanical composition which is important to invertebrates During construction, minimise impacts such as trampling, passage of heavy equipment and storage of materialss as this limit disturbances, reduces affected areas and limits potential deaths 					
		of individuals (plants, invertibrates, small mamals, amphibiansetc), i.e. the impact on species will be limited to the areas of construction and will not cause adverse impacts over larger areas. •All activities should be carried out only during the daylight hours to reduce the anxiety of nocturnal animals. •In the event that a fence is installed - provide access areas/passages through which rabbits, foxes, jackals, land turtles and other small species can pass. The size of the opening must be not					
		less than 40/40 cm for every 100 linear meters of length of the fence along its entire perimeter. •Reduce the speed limit of equipment and personnel vehicles to 20 km/h within the Lambrinovo airport's runway and road areas will significantly decrease the risk of amphibians, small mammals, and invertebrates being run over.					
		 Establishment, posting, and enforcement of vehicular speed limits, and other traffic management measures. Implement good housekeeping measures for materials handling and waste management Prepare decommissioning management plan (including management of biodiversity impacts) prior to decommissioning. 					
19							
	Construction	•Apply a rotation scheme on small areas moving from east to west to remove vegetation around the PV facilities - panels, inverters and others in accordance with the instructions of an ecologist/biologist, as a result of monitoring (before starting removal activities of vegetation). This will enable species from the groups of amphibians, reptiles, mammals and partially from invertebrates to move to neighbouring territories and limit disturbance and possible mortality.	Habitats Habitat loss / degradation / fragmentation	EPC contractor	ESIA 2026	Biodiversity Management Plan	All Project Worksites
20	Construction	 Check for introduction of species included in the list of invasive and potentially invasive alien species (of higher plants for Bulgaria, indicator SEBI10 - Invasive alien species for Europe (source EAES http://eea.government.bg/bg/soer /2010/biodiversitv-nem/biologichno-raznoobrazie-natsionalna-ekologichna-mrezha-1) Compile a suitable invasive alien plant (IAP) species control plan and programme to manage IAP's within the control of the development Implement IAP species surveillance and control plan within areas in the projects control, focusing particularly on areas of natural habitat Monitor IAPs to inform further management intervention 	Habitats Introduction/spread of invasive species	Project owner/EPC contractor	ESIA 2024	Invasive Species Management Plan	All Project Worksites
21	Construction	 Implement buffer zones or exclusion areas around important nesting or foraging sites to minimize disturbance Avoid site clearance during the bird breeding season. Where not, use ecological clerks of works (ECoW) to identify nests and avoid until young have fledged Implement construction practices that minimize noise and vibration disturbance, such as scheduling activities outside sensitive bird breeding periods or using noise barriers Avoid site clearance during the breeding season. Where avoidance is not possible, use (ECoW) to prepare the environmental documentation on delivery of ecological requirements on site before construction activities commence in order for contractors to meet key development milestones; The ECoW will monitor that site based construction activities are delivered in accordance to relevant laws and Project commitments; 	Birds Habitat loss /degradation / fragmentation	Project owner/EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
22	Construction	•Enstall fence and mark work areas to minimise effects of vegetation clearance on birds.	Birds Direct Mortality Installation of overhead transmission lines and pylons	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
23	Construction	 ©onduct thorough surveys to identify and protect nesting sites before construction begins. Implement buffer zones around active nests and restrict construction activities within these areas during breeding season Eit suitable bird diverters at 5m intervals on OHTL Enstall insulation, covers, and other avian protection devices on electrical equipmenton OHTLs to prevent perching and contact. Regularly inspect and maintain the electrical infrastructure to ensure its effectiveness in mitigating electrocution risks. 	Birds Installation of overhead transmission line and pylons	Project owner/EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
25	Pre-construction	 Conduct pre-construction checks for presence of bat roosts near construction sites Implement noise reduction measures to minimize noise-related disturbance near bat roosts Control of lighting to prevent light spill outside of construction areas through use of directional cowls 	Bats Habitat loss /degradation / fragmentation	Project owner/EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
25	Construction and operation	 Establishing buffer zones around bat roosts Adjust construction schedules to avoid sensitive periods Emplement proper lighting protocols to minimize disturbance 	Bats Direct mortality	Project owner/EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
27	Construction and operation	 In the areas where no PV installations are constructed, but are part of the plant's service areas, grass and shrub vegetation should not be removed or should be revegetated. This will enable these areas to serve as temporary and permanent refuges for amphibians, reptiles, mammals and invertebrates Prohibit the use of pest control measures (rodenticides) to limit the population of rodents - it will cause unwanted mortality among rodents, but also re-poisoning of predatory mammals or birds. 	Mammals Habitat loss /degradation / fragmentation. Direct loss of species	Project owner/EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
	Construction	 Establish exclusion zones or limiting construction activities in close proximity to active burrows Bse noise barriers and mufflers on construction equipment when woprking near active burrows 	Mammals Noise and vibration	EPC contractor	ESIA 2024	Pollution Prevention and Control Plan	All Project Worksites
28	Construction	• Implement a relocation plan. This involves capturing and translocating reptiles to suitable habitats away from the construction zone, ensuring their safety; Implement measures to avoid disturbance of burrows or resting places such as set back distances or timing of works	Mammals Habitat loss /degradation / fragmentation	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
29							

	Construction	•Implement strict noise and disturbance control measures during construction phase. This includes limiting construction activities during sensitive periods	Mammals Habitat loss /degradation / fragmentation Noise	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
30	Construction	• Before the start of construction and during all stages of the construction, a team of environmental biodiversity experts must be present to the territories and, if necessary, remove amphibians or reptiles from the areas intended for construction, in accordance with the construction scheme. Thus, the probability of mortality of individuals will be significantly reduced. •Establish buffer zones and construction exclusion zones around sensitive herpetofauna habitats to minimize disturbance	Herpetofauna Habitat loss /degradation / fragmentation	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
31	Construction	• Implement noise and vibration mitigation measures such as limiting noisy activities during sensitive periods (e.g., breeding season) and use equipment with noise reduction technologies.	Herpetofauna Noise and Vibration Disturbance	EPC contractor	ESIA 2024	Biodiversity Management Plan	All Project Worksites
22	Construction	 Establish avoidance and exclusion zones around known reptile habitats to minimise risk of direct impacts. Clearly mark and communicate these zones to construction personnel to ensure compliance; Implement a relocation plan. This involves capturing and translocating reptiles to suitable habitats away from the construction zone, ensuring their safety; Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures 	Herpetofauna Direct loss of species	Project owner/EP contractor	C ESIA 2024	Biodiversity Management Plan	All Project Worksites
33	Construction	 Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures; Provide compensate all land users for reduction in subsidies, including both formal and informal land users and prior to accessing the land; Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures; Provide compensation for loss of assets at replacement cost; Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures; Ensure appropriate disclosure of information, consultation, and the informed participation of those affected; Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures; Ensure appropriate disclosure of information, consultation, and the informed participation of those affected; Provide comprehensive training to construction workers and equipment operators on reptile conservation and the importance of implementing mitigation measures; Emprove or, at a minimum, restore the livelihoods and standards of living of affected persons to pre-project levels, so as to facilitate sustainable improvements to socio-economic status; 	Livelihood	Project owner/EP contractor	C ESIA 2024	Land Acquisition and Livelihoods Restoration PlanPlan	All Project Worksites
34	Construction	 Where possible seek to unbundle procurement contracts so that local community members have a greater chance of supplying the Project and advertise procurement contracts locally and in local languages. Confirm Silistra District communities will be considered 'local' for the purpose of local hiring. Where possible (i.e., the suppliers are competitive and can meet the technical requirements which need to be achieved), the Project Company (and their contractors) will seek to procure materials and services from SMEs based in the neighbouring locations to ensure that the positive effects of using SMEs are experienced as close to the Project site as possible to enhance the positive benefits of the Project at this location. This includes SMEs owned by women which shall be identified by the Company during the Project execution stage. Details will be included 	Economy, employment and Income	Project owner/EP contractor	C ESIA 2025	Contractor and Supply Chain Management Plan.	Project sites
35	Construction	 within the Contractor and Supply Chain Management Plan. Selection criteria, job profiles, and number of workers for the construction phase with specific attention to the enhancement of the local community, women, and vulnerable groups' employment. Elear communication of required involvement of local workforce and local companies, explaining requirements on qualification, availability, eventual training, etc. Description of the recruitment process and details of the recruitment information disclosure to local communities. Details of vocational trainings available to employed construction workers. Description of the Worker's Code of Conduct, highlighting labour conditions with an aim to reduce the risk of gender-based violence and harassment. Require all workers to sign the "code of conduct – workers" Details of worker's grievance mechanism that will be disclosed during the recruitment process and the employment period. A commitment to provide workers with a sufficient notice period as to when their job contract terminates. Monitoring indicators and the reporting timeline for the recruitment process and management of the workforce. 	Economy, employment and Income	Project owner/EP contractor	C ESIA 2024	Workforce Management Plan	All Project Worksites
50	Construction and Operation	•Ensure regular, open and transparent communication with all stakeholders	Economy, employment and Income	Project owner/EP contractor	C ESIA 2024	Stakeholder Engagement Plan	All Project Worksites and location, Social Aol
37	Construction	•Ascertain, prior to the construction phase, whether the local services are sufficient for workforce influx and, where appropriate, liaise with relevant authorities to limit the negative impact of the Project on local users' access to public services.	f Infrastructure and public services	Project owner/EP contractor	C ESIA 2024	Workforce Management Plan	All Project Worksites

	Construction	 EPC Contractor to be certified to ISO 45001 (or equivalent) EPC Contractor to implement communication systems to enable communications from any part of the site. Install safety signage throughout the Project site, following GIIP specifications and codes of practice. Establish comprehensive OHS Plans for construction prior to commencement of costruction Ensure all workers receive induction and regular ongoing OHS training EPC Contractor and subcontractors to hire HSE Managers and Officers (1:50 for construction workforce) Eonduct Project specific risk assessment. Evelop a project specific Emergency Preparedness and Response Plan (EPRP) Enclude in the EPRP a medical evacuation procedure to enable injured workers to access appropriate emergency facilities. Ensure medical preparedness includes permanent on-site paramedic, first aid facilities and first aiders (ratio of 1:50 first aiders/workers) on site. EPC contractor to employ at least one HSE Manager and one EPC Contractor HSE Officer for every 50 workers. Subcontractors with more than 20 workers shall deploy a dedicated HSE Officer and an additional HSE Officer for each additional 50 workers deployed onsite. ENorkers to receive correct PPE, free of charge and to be replaced when needed. Workers to receive aporporiate training, prior to commencement of work and on an ongoing basis through toolbox talks, oriented by training plans. Dirilis (including OHS, spills, and emergency drills) should be undertaken regularly. Erst aid facilities to be available at all work fronts. Establish an accident and incident reporting procedure. Including providing incentives for reporting near misses and corrective actions. 	Occupational health and safety	Project owner/EPC ESIA 2024 contractor	Occupational Health and Safety Plan	All Project Worksites
39	Design/ contract/ construction	 •Encorporate safety requirements into the project design (design of the route of the OHTL to avoid health risk for the public and ensure the OHTL does not pass directly over any residential property). •EWhere necessary include fencing, safety signage (in locally used languages) and other relevant features to deter community members from entering the Project site. •EIndertake a stakeholder engagement campaign to inform community members of the possible risks and impacts of the construction of the Project (refer to SEP), including traffic, grievance mechanism, worker conduct, GBVH risks. •Erepare a plan/strategy to guard workers and community members against contracting communicable diseases. •Employ local security guards and female guards where possible •Bindertake OHS and emergency drills throughout the construction and operations phases. •Installation of anti-climbing devices to avoid accidental or intentional attempts to access the site; •Bainting with fluorescent colours of towers near the roads to make them visible. •Design of the route of the OHTL to avoid health risk for the public and ensure the OHTL does not pass directly over any residential property. •Ereventative maintenance to ensure the robust connection of signs, barriers, to prevent shock; •Ene provision of automatic fire detection systems linked to automatic shutdown systems will allow them to be dealt with in the shortest possible time by disconnection from the power supply systems. This prevention is connected with the Substation; •Affter any damage has been assessed and documented in case of storm damage / wind damage, the utility companies will be notified. Lastly, if safe to do so, the damaged areas will be protected from further damage 	Community health and safety	y Project owner/EPC ESIA 2024 contractor	Workforce Management Plan	Social Aol
40	Construction	 ●Enforcement of Workers' Code of Conduct containing a set of rules on behavioural standards and cultural awareness requirements for all employees (including security personnel) ●Bouse workers from outside the area from the direct AOI in accommodation away from the immediate communities as much as possible, thereby reducing potential social tensions. ●Undertake cultural awareness training for migrant workers, should it be deemed necessary. 	Community health and safety	y Project Owner ESIA 2024	Workforce Management Plan	All Project Worksites
41	Construction and operation	Security Personnel will have to: •Sign a "code of conduct – security" •Be trained in the rules of force, culturally appropriate engagement, and the Project's grievance mechanism. •Wear a uniform so that they are easily identified as security personnel, including a unique reference/label that can be used to make a grievance about a specific person. •Bave adequate communications equipment so that personnel can request support during the start of any incident. •Ønderstand details about the Project's grievance mechanism that can be used to address any concerns promptly associated with the actions of security personnel and details as to how this is to be disclosed	Community health and safety	y Project owner/EPC ESIA 2025 contractor	Workforce Management Plan	All Project Worksites
42	Contract / pre- construction	 EPC contractor to implement a Human Resources (HR) Policy, Code of Ethics, Policy Against Bribery and Corruption, Recruiting Policy, Supply Chain (Procurement) Policy, and Communication Policy EPC contractor and tier 2/3 sub-contractors to demonstrate functioning HR policies aligned with Lender requirements, ILO core conventions and Bulgarian law. Define manpower requirements for the construction and operation phase for the EPC Contractor and subcontractors, including the number of E&S personnel and their qualifications. EPerform a supply chain due diligence or obtain third-party supply chain due diligence reports to verity potential suppliers' credentials regarding the occurrence of forced labour, child labour or occupational health and safety failures. The supply chain will be mapped (to the polysilicon level) and verified by an independent consultant for point of origin. Suppliers shall have a system to identify and manage risks associated with child labour, forced labour, occupational health and safety and pollution prevention for their activities and their core supply chain. 	Labour and working conditions	Project owner/EPC ESIA 2024 contractor	Workforce Management Plan	All Project Worksites

	Pre-construction/ construction	The following measures required by IFC PS 2 will be implemented during the pre-construction and construction phase for the economy, employment and livelihood component: •Collaborate with the State Employment Offices; •Dollaborate with the State Employment Offices; •Dollaborate with local institutions (Municipality and Administrative Units) •Eut in place transparent and fair recruitment procedures •Implement Worker code of conduct (including grievance mechanism) •Strictly follow the Bulgarian Code of Work requirements; •EC PS 2 Labor and Working Conditions; •Adopt and maintain human resources policies and management systems or procedures with the requirements of PS 2 and national law. These policies and procedures will be understandable and accessible to workers, and in the main language(s) spoken by the workforce. HR policies and management will ensure: •Non-discrimination and equal opportunities to all workers; •Bompliance with national laws and international standards regarding employment of minors; •Avoidance of any form of forced labour and child labour; •Provide car and transparent information on wages, benefits and working conditions; •Provide ear and transparent information on wages, benefits and working conditions; •Provide workers with a safe and healthy work environment; •Base an international workforce for a term-limited period for compliance and training purposes, where national personnel cannot be sourced. •Prepare a Worker Accommodation Management Plan •Provide equal trainings for men and women; •In field training and re-training program that specifically target women, to increase their opportunities; •Establish training and re-training program that specifically target women, to increase their opportunities; •Elearly indicate that the position opportunity is for both men and women; •Elearly indicate that the position opportunity is for both men and women; •Elearly indicate that the position opportunity is for both men and women;	Labour and working conditions	Project owner/EPC contractor	E ESIA 2024	Workforce Management Plan	All Project Worksites
44							
	Construction/ operations - enhancement	 Contractors will be contractually required to maximise use of local workforce in the Project; Prioritize employment of members of vulnerable groups and individuals The presence of a CLO through the construction phase will allow any future issues to be identified and addressed referring to women and vulnerable groups and individuals; The order to increase the project's Local Content, the Company will aim to procure goods, services and materials from local businesses to the extent possible; Ensure priority of woman owned business during the procurement process Company will provide information on procurement, tendering, and contracting processes with a transparent and clear approach, to ensure that equal access to opportunities is guaranteed; The formation on procurement opportunities will be given to local businesses, through tailored communication with Local authorities and other appropriate parties; Exocal companies identified as able to provide goods, materials and services during the strategical analysis will be contacted directly providing information on tendering opportunities 	Labour and working conditions Economy, employment and Income	Project owner/EPC contractor	C ESIA 2024/GIIP	Workforce Management Plan Stakeholder engagement plan	Project site
45							
46	Construction	 Require all workers to sign the "code of conduct – workers" Brovide workers with safety equipment to prevent occupational health issue and reduce the number of accidents at work Brovide regular training on first aid and safety responses in order to limit accidents' impact on workers' health 	Labour and working conditions	EPC contractor	ESIA 2024	Health & Safety Management Plan	Project site
40	Construction	•Ensure appropriate accommodation is provided to all workers, in line with IFC PS2 and national requirements	Labour and working conditions	EPC contractor	ESIA 2024	Workforce Management Plan	Project site
Ŧ,	Construction	 Demarcate construction boundaries and minimize areas of surface disturbance; Where possible, locate laydown areas and construction camps in areas that are already disturbed or cleared of vegetation; For the construction site maintenance, conduct good housekeeping on site to avoid litter and minimize waste; Des existing tracks/roads for access, where possible; and Within the environmental management system, prepare a restoration management plan including replanting indigenous species, and landscaping and rehabilitating construction yards. 	Landscape	EPC contractor	ESIA 2024	Topsoil Management and Site Reinstatement Plan	Project site
48							
	Construction and operation	 Where possible, locate laydown areas and construction camps in areas that are already disturbed or cleared of vegetation; Eor the construction site maintenance, conduct good housekeeping on site to avoid litter and minimise waste; Minimise night lighting while guaranteeing the minimum safety level; Dise of materials that will minimize light reflection should be used for all Project components; Existing vegetation should be retained to the greatest extent possible. Vegetation should be retained along roads, and other Project infrastructure 	Visual	EPC contractor	ESIA 2024	Topsoil Management and Site Reinstatement Plan; Health & Safety Management Plan	Project site
49 50	Construction and operation	 •Rehabilitation of all viable disturbed areas (e.g. temporary access tracks and laydown areas) must be undertaken following construction. This must be done in such a way so as to facilitate natural regeneration of vegetation; •Maintain ongoing engagement between the Project and local communities, with communities informed in advance of any vegetation clearing to allow pre-harvesting of resources such as building materials or other useable resources. 	Ecosystem services	EPC contractor	ESIA 2024	Topsoil Management and Site Reinstatement Plan: Stakeholder Engagement Plan	All Project Worksites
	Design/ pre construction	 • Biclude in Project contract requirements to restore existing roads or private property during or at the end of construction activities. Any improvements will leave a positive legacy on the local road conditions, benefiting the local communities. • Consider excluding Access option three which requires access through the village of Polkovnik Lambrinovo. • Design laydown area and delivery approach to minimise vehicle stopping outside the site. • Biclude clause in the EPC contract that that any damage to road (wear and tear over the construction period) must be repaired and 'made good'. 	Traffic	EPC contractor	ESIA 2024	Traffic and transport Management Plan	All Project Worksites
51							

Construction	 Prepare a traffic and transportation management plan (TMP) Work with local authorities in scheduling truck deliveries, especially oversized truck deliveries, to reduce impacts on road function and safety. Specifically: -Where safe and feasible, schedule deliveries to minimise travel impacts for other road users based upon local conditions and the results of stakeholder engagement. scheduling deliveries during non-peak hours and at intervals to avoid queuing of delivery vehicles along public roads near the access points to internal Project roads. Demarcate delivery roads and access tracks across the site and ensure all workers stick to demarcated areas. CLO to engage the local community to inform them of the start of construction works and timings for large vehicle deliveries Bistall appropriate signage to inform local communities and road users of site access points. No night-time driving along unsurfaced roads. No night-time deliveries Maximum of 40 km/h on the section of road between R218 and Polkovnik Lambrinovo During preconstruction surveys, perform a photographic assessment of road condition and private properties adjacent to the local road and R218. 	Traffic •Consider	Project owner/EPC ESIA 2024 contractor	Traffic Management Plan; All Project Worksites Stakeholder Engagement Plan
Construction	 Include in TMP the following GIIP as a minimum: Sessures to transport Project components as well as transportation of workers. Prepare alkolosure plan for community members, to inform as to the start of construction works and timing and Project impacts along the transportation route. Plan and implement awareness campaigns on risks related to the traffic increase, especially in the schools present in the area. Survey the condition of roads to be used for concrete supply, equipment, and oropmoent deliveries prior to construction and submit reports to local road authorities. (pre-const-vision will be protected and patrolled by crash trucks and/or possible police escort to guarantee the safety of other road users and to inform the respective authority for overloaded trucks. Address transportation safety risks of Project traffic, including (but not limited to) truck routes, hours of transport, community notification, signage, education, and other meas minimize safety hazards. (construction, decommissioning) Obbain permits and implement all necessary road improvements or alterations prior to deliveries. If necessary, construct by passes to avoid hazards to properties or other road to constrained road segments or intersections. (pre-construction, construction, decommissioning). Restore signs, street lights and other street furniture removed for or danaged by the movement of Project-related trucks. (construction, genations, decommissioning) Restore signs, drivers to eliminate drink driving, also check for use of seatbelts and identify speed limits that are monitored during the construction pass. Prequent testing of drivers to eliminate drink driving, also check for use of seatbelts and identify speed limits that are monitored during the construction and the stree versing during to construction, organic and the stree section and the stree condition at a construction pase. Prequent testing of drivers to eliminate drink driv	Traffic struction). or the sures to users at missioning) biding periods the end of with national tion,	Project owner/EPC contractor	Traffic Management Plan; All Project Worksites Stakeholder Engagement Plan
Construction, operation, decommissioning	 Establish and implement standards addressing the following: Training and accreditation for project drivers, including contractors. Driver fitness standards, including mandatory rest periods and prohibition of drug/alcohol use. Thevehicle monitoring systems to monitor vehicle speed and location (Project vehicles and contractors). Project and contractor standards for vehicle safety and maintenance. Security response for vehicle incidents. Exoad stability standards. 	Traffic	EPC contractor ESIA 2024	Traffic Management Plan All Project Worksites
Construction	 Project Company to confirm no feature of archaeological interest are known through formal communication with the National Institute of Archaeology under the Academy of Sulgaria EPC contractor to establish a chance-find procedure (including national and lender requirements and following GIIP) for the construction phase or any phase that requires excave. Train excavation workers in chance find procedure during the induction. Should items of cultural heritage be identified, they should be managed in line with the chance find procedure and any requirements of the National Institute of Archaeology under the Academy of Sciences of Bulgaria of any find. 	Sciences of Cultural herita	age Project owner/EPC ESIA 2024 contractor	Cultural Heritage All Project Worksites Management Plan