

GUIDELINES FOR CONTRACT IMPLEMENTATION IN ENVIRONMENTAL AND SOCIAL
POLICIES OF THE WORLD BANK
CONTRACT 4A.3.2 - MODERNIZATION OF THE PERUN LIGHTNING DETECTION AND
LOCATION SYSTEM

Checklist for environmental and social measures

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PART 1: GENERAL INFORMATION ABOUT THE PROJECT AND LOCATION

INSTITUTIONAL AND ADMINISTRATIVE INFIRMITIES				
Country	Poland			
Project title	Contract 4A.3.2 Modernization of the PERUN lightning detection and location system - ...			
Scope of project and activities	Under Contract 4A.3.2, the Contractor shall: (list scope of tasks)			
Institutional arrangements (Name and contacts)	PCU OVFMP		Employer Institute of Meteorology and Water Management in Warsaw	
Implementation (Name and contact)	EMP Coordinator	Supervision by the Supervision Inspector	Contractor OMC Envag Sp. z o.o.	Osoba kontaktowa
DESCRIPTION OF LOCATION				
Location name			
Location description	Brief description - location - plot number, precinct, administrative units. Investment area Land and building registry - extract Information whether there is a LSDP		Site map []Y X N	
Who owns the land?			
Description of the geographic, physical, biological, geological, hydro-graphic, and socio-economic context	<p>Geological structure – description <i>Due to the nature of the project, the impact of the project on geological conditions is forecasted/not forecasted.</i></p> <p>Soil conditions – description <i>Due to the nature of the project the impact on soil is predicted/not predicted.</i></p> <p>Surface waters - description of the water bodies <i>The planned investment will/does not pose a threat to achieving environmental objectives for surface water bodies.</i></p> <p>Information on rainwater and impact on soil-water environment <i>The planned investment poses/does not pose a threat to the groundwater environment.</i></p> <p>Flood risk areas <i>According to the flood hazard maps and flood risk maps published on October 22, 2020, the project area is not located in a special flood hazard area.</i></p> <p>Groundwater - information on GWB</p> <p>Impact on surface and groundwater Description about wastewater production and water use <i>Potential pollution of surface water and shallow circulating groundwater during construction is diagnosed/not diagnosed due to proper technical condition of construction machinery and equipment.</i></p>			

Landform and water system

Description of relief, watercourses, ditches, etc.

Landscape

Description of the impact on the landscape.

Diagnoses/No negative impact of mast construction on landscape.

Air quality

Description of dust and gas emissions, impact on air, description of radiation

No Diagnosis/Diagnosis of short-term, local impact on air quality during construction works, however, it will cease upon completion of the works.

Acoustic climate

Range of noise nuisance, type of area in accordance with the Regulation of the Minister of Environment of 14 June 2007 on permissible levels of noise in the environment (Journal of Laws 2014 item 112), permissible levels, number of vehicle passes, description of acoustic nuisance.

Noise emission at the stage of project implementation is temporary and will cease with the completion of works.

Flora, fungi species and plant communities

Description of the species present, especially protected ones, and the impact on the flora and fauna, e.g. information on felling, destruction of habitats, etc.

Elements of the environment protected under the Act of 16 April 2004. On nature protection and ecological corridors:**Cultural heritage**

Description of cultural heritage

The planned investment **will/does not** have a negative impact on cultural heritage or, in the case of finding of objects of historical importance, will have a negligible impact.

Neighbouring areas

Impact on adjacent areas

Materials used

Description and quantity of materials stored, method of waste handling

SUMMARY

Wetlands, and therefore hydrogenic ecosystems, occur/do not occur in the project area.

In addition, no residential development is planned in the study area, which is often the cause of biodiversity loss. The project will not affect species perceived as conflictive and will not result in increased penetration of alien species.

The investment will/does not result in the destruction of regionally and nationally valuable species stands as well as natural habitats.

The execution of the investment will/does not have a negative impact on the habitats and species of flora, fauna and fungi.

In the case of the planned Project, there is no possibility of indirect and direct impact of the facilities to be modernized on the loss, fragmentation or modification of habitats. The Project will be located on a small area.

The Project will/will not have a negative impact on nature conservation forms.

<p>Locations and distances to places where materials can be obtained, especially aggregates, water, stone?</p>	
LEGISLATION	
<p>Identify national and local laws and permits that apply to project activities</p>	<p>National legislation:</p> <ul style="list-style-type: none"> • Act of 3 October 2008 on the provision of information on the environment and its protection, public participation in environmental protection and environmental impact assessments (Journal of Laws 2021, item 2373, as amended); • Act on Nature Conservation of 16 April 2004 (Journal of Laws 2021, item 1098, as amended) • Act of July 23, 2003 on the protection and care of historical monuments (i.e., Journal of Laws 2021, item 710, as amended); • Act of 20 July 2017. Water Law (c.t. Journal of Laws 2021, item 2233, as amended); • Act of 27 April 2001. Environmental Protection Law (c.t. Journal of Laws 2021, item 1973, as amended); • The Act of March 21, 1985 on Public Roads (c.t. Journal of Laws 2021 item 1376 as amended); • Building Law of July 7, 1994 (c.t. Journal of Laws 2021, item 2351, as amended); • Forest Act of 28 September 1991 (c.t. Journal of Laws 2021, item 1275, as amended); • Law on Spatial Planning and Development of March 27, 2003 (c.t. Journal of Laws 2022, item 503 as amended); • Act of 9 June 2011 Geological and Mining Law (Journal of Laws 2021, item 1420, as amended); • Act of 14 June 1960 Code of Administrative Procedure (Journal of Laws 2021, item 735, as amended) • Act of 14 December 2012 on Waste (c.t. Journal of Laws 2021, item 779, as amended); • Regulation of the Minister of Environment of 9 October 2014 on the protection of plant species (Journal of Laws 2014, item 1409, as amended); • Regulation of the Minister of Environment of 9 October 2014 on the species protection of fungi (Journal of Laws 2014, item 1408 as amended);

	<ul style="list-style-type: none"> • Regulation of the Minister of Environment of 16 December 2016 on the protection of animal species (Journal of Laws 2016 item 2183 as amended); • Ordinance of the Council of Ministers of September 10, 2019 on projects that may significantly affect the environment (Journal of Laws 2019 item 1839 as amended); • Regulation of the Minister of Environment of 14 June 2007 on permissible levels of noise in the environment (c.t. Journal of Laws 2014 item 112 as amended); • Regulation of the Minister of Environment of 13 April 2010 on natural habitats and species of Community interest, as well as on the criteria for selecting areas eligible for recognition or designation as Natura 2000 areas (c.t. Journal of Laws 2014, item 1713, as amended).
Identify when/where the public consultation process took place	Public consultation of the checklist is not necessary. (additional information is provided in Section 3)
INSTITUTIONAL CAPACITY BUILDING	
Will there be any capacity building?	<input checked="" type="checkbox"/> N or <input type="checkbox"/> Y, if yes, Appendix 2 includes a capacity building program

PART 2: INFORMATION ON PREVENTION OF ENVIRONMENTAL IMPACTS

ENVIRONMENTAL/SOCIAL IMPACTS SCREENING			
	Activity	Status	Triggered actions
Will the activity at the project site include/contribute to any of the following?	A. Construction work	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point A and B below
	B. Minor new construction	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point A and B below
	C. Individual wastewater treatment system	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point C below
	D. Historic building(s) and districts	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point D below
	E. Land occupancy ¹	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point E below
	F. Hazardous or toxic materials ²	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point F below
	G. Nature conservation	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point G below
	H. Traffic and pedestrian safety	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point H below
	I. Specific guidelines to be followed in the event of an epidemic or a state of emergency during the execution of works	<input type="checkbox"/> Yes <input type="checkbox"/> No.	See point I below

¹ Land occupation includes displacement of people, change in living conditions, encroachment on private land i.e. land that is being acquired/transferred and this affects people who live and/ or are squatters and/or have a business on the land being acquired.

² Toxic/hazardous material includes but is not limited to asbestos, toxic paint, harmful solvents, lead paint removal, etc.

PART 3: MITIGATION MEASURES **DETAILS DEPENDING ON THE PROJECT**

ACTIVITY	PARAMETER	MITIGATION CHECKLIST
A. General Conditions for the Execution of the Work	Proper organization and work safety	<ul style="list-style-type: none"> (a) Local building and environmental inspectorates and the local community were informed of the upcoming activities. (b) The general public was informed by IMGW-PIB about the works through appropriate notification on publicly available websites. (c) All legally required decisions have been obtained. (d) The Contractor formally agrees that all work will be performed in a safe and disciplined manner designed to minimize impacts on nearby residents and the environment. (e) A health and safety supervisor has been established who will be responsible for appropriate signage (including informing workers of key rules and regulations to be followed) and securing the construction site. (f) Personal protective equipment for workers will be in accordance with international good practice (helmets always in place, masks and goggles where necessary, harnesses and safety boots). (g) The work area will be properly secured and marked. If it is determined that there may be hazardous areas that pose a threat to human life and health, they will be marked with warning signs and secured against unauthorized entry. (h) Equipment, machinery or tools used during the works must ensure compliance with the quality requirements for the Works, occupational health and safety regulations and Biosafety regulations (if required) and must not cause damage to existing infrastructure and elements of buildings and land development. The Contractor shall follow SARS-CoV-2 - COVID-19 disease prevention principles. (i) The Contractor shall report all accident incidents involving employees and bystanders, as well as incidents relevant to the ES Code of Conduct.
B. Construction works	Air quality	<ul style="list-style-type: none"> (a) The Contractor's vehicles shall not pollute the surrounding environment (sidewalks, roads). (b) During the course of the work, idling of vehicles and machinery will be limited to the necessary minimum. (c) Only vehicles, machinery and equipment complying with current exhaust emission standards will be used.
	Noise	<ul style="list-style-type: none"> (d) Noise associated with the work will be limited to the hours of operation (6:00 a.m. to 10:00 p.m.). (e) Vehicles, machinery and equipment will be used to ensure noise reduction to applicable regulations and standards. (f) During work, the engine covers of generators, air compressors, and other power-driven mechanical equipment shall be closed and the equipment placed as far as possible from residential areas.
	Water	<ul style="list-style-type: none"> (g) (a) Construction sites shall be protected from the ingress of possible debris and shall be adequately hardened or protected with plastic sheeting.
	Soil	<ul style="list-style-type: none"> (h) If it is necessary to destroy the topsoil, the topsoil shall be collected, stockpiled, and then used for restoration. (i) Construction sites shall be protected against the entry of possible pollutants. (j) In the event of emission of oil-based pollutants to the soil surface, immediate measures shall be taken to prevent the spread of pollutants and the contaminated soils shall be removed without delay and then disposed of properly as waste.
	Waste management	<ul style="list-style-type: none"> (k) Waste segregation, storage and disposal paths and locations will be identified for all types of waste expected to result from implementation.

		(l) Waste must be transferred to authorized entities for further management. (m) Records of waste disposal will be maintained as evidence of proper management as designed.
C. Individual wastewater treatment system	Water quality	(a) Social and domestic sewage shall be collected in sealed, non-returnable containers, the contents of which shall be transferred to entities holding appropriate permits for their further management (in case of lack of access to the sewage system)
D. Historic Site(s)	Cultural heritage	(a) Conduct earthworks with due caution. (b) In the event of finding objects that may have or have historic value, immediately stop work, secure the area and notify the Provincial Conservator of Monuments.
E. Land occupations	Land acquisition/framing plan	NOT APPLICABLE (works will be performed on land owned/leased by IMGW-PIB and there is no need to acquire land for permanent or temporary use)
F. Toxic Materials	Toxic/hazardous waste management	(a) If hazardous waste is present, it will be segregated and stored in separate, designated containers protected from weathering activities.
G. Nature Conservation	Protected areas, natural habitats, protected species	(a) Due to the small area of work and lack of naturally valuable habitats and species, the Contractor, during preparation and execution of works, will not employ a team of naturalists responsible for permanent supervision of these works. The functions of environmental supervision will be performed by a knowledgeable employee of the Contractor. The environmental supervision activities will be carried out in accordance with applicable regulations and good practices developed under the OVFM Project under the supervision of a representative of IMGW-PIB.
	Dendrophlora	(b) No tree or shrub cutting will be required. (c) Trees not to be cut but susceptible to damage shall be protected. (d) If trees are damaged, adequate care and protective measures shall be performed under the Contractor's natural supervision. (e) In the event that it is not possible to carry out protective measures, branches and twigs of trees not planned for removal, which are exposed to mechanical damage, shall be preventively pruned. (f) In the case of excavation work exposing the root systems of trees, the work on root balls should be carried out with due care, and the exposed roots should be protected with e.g. jute mats until they are covered with soil again.
H. Traffic and pedestrian safety	Direct or indirect hazards to public and pedestrian traffic resulting from construction activities	(a) In accordance with State regulations, the Contractor shall provide adequate site security and regulation of construction-related traffic. This includes, but is not limited to, the following: 1. signage, warning signs. 2. providing safe and permanent access and passage for emergency services. 3. agreeing on a transportation traffic plan with road owners - if needed.

<p>I. Specific guidelines to be followed in the event of an epidemic or a state of emergency during the execution of the works</p>	<p>Direct or indirect threats to public health</p>	<p>(a) In the event that an epidemic or state of epidemic emergency is in effect during the course of the Work, the Contractor shall:</p> <ol style="list-style-type: none"> 1. to ensure that all necessary precautions are taken by persons on the construction site in order to preserve the health and safety of manual workers, Contractor's Personnel, in particular with regard to the introduction of appropriate measures to avoid or minimize the spread of diseases, including measures to avoid or minimize the transmission of infectious diseases that may be associated with the influx of temporary or permanent workforce associated with the execution of the Contract, in the manner specified in the wording of the applicable Law, e.g., in the issued pursuant to Article 46 a of the Act of December 5, 2008 on preventing and combating infections and infectious diseases in humans (i.e. Journal of Laws of 2021, item 2069 as amended), regulations on establishing certain restrictions, orders and prohibitions in connection with the occurrence of an epidemic, 2. appoint a person responsible on the Contract for matters related to health and safety rules during an epidemic or state of epidemic threat, 3. implement appropriate recommendations of sanitary services in the Republic of Poland and of the World Bank, 4. cooperate with an Employer, in particular provide current information on precautionary measures taken or planned, including with respect to appropriate protection of the construction site against unauthorized access and implementation of relevant procedures.
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PART 4: MONITORING PLAN

Activity	What	Where	How	When	Why	Cost	Who
A. General Conditions for the Execution of the Work	Conditions specified in Part 3, point A	Location Inspection and verification of the Contractor's documents (point 3A a-c)	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.
B. Construction Work	Conditions specified in Part 3, point B	Location	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	During the period of execution of the Contract, on an ongoing basis, not less than once per month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.
C. Individual wastewater treatment system	Conditions specified in Part 3, point C	Location	Verification - assessment / approval of documentation submitted by the	During the period of execution of the Contract, on an ongoing basis,	Control of the need for individual actions, control of the correctness	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.

Activity	What	Where	How	When	Why	Cost	Who
			Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	at least once a month.	of implementation.		
D. Historic Sites	Conditions specified in Part 3, point D	Location	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.
E. Land occupations	NOT APPLICABLE						
F. Toxic Materials	Conditions specified in Part 3, point F	Location	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.

Activity	What	Where	How	When	Why	Cost	Who
G. Nature Conservation	Conditions specified in Part 3, point G	Location	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation.	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.
H. Traffic and pedestrian safety	Conditions specified in Part 3, point H	Location	Verification - assessment / approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation (e.g. of the condition of roads and possible condition of buildings if transports would be frequent and under border load), control of obtaining	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.

Activity	What	Where	How	When	Why	Cost	Who
			administrative opinions and/or agreements, administrative decisions required by law.				
I. Specific guidelines to be followed in the event of an epidemic or a state of emergency during the execution of the works	Conditions specified in Part 3, point H	Location	Verification - assessment/approval of documentation submitted by the Contractor to IMGW-PIB. Visual monitoring, photographic documentation, control of obtaining legally required opinions and/or agreements, administrative decisions.	During the period of execution of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual actions, control of the correctness of implementation.	Cost to be borne by Contractor.	Contractor personnel, IMGW-PIB personnel.