

GUIDELINES FOR THE EXECUTION OF THE CONTRACT ON ENVIRONMENTAL AND
SOCIAL POLICIES OF THE WORLD BANK
CONTRACT 4A.3.1 -POLRAD WEATHER RADAR MODERNIZATION
TASK -

Check-list for environmental and social activities

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PART 1: GENERAL INFORMATION ABOUT THE PROJECT AND LOCATION

INSTITUTIONAL AND ADMINISTRATIVE INFORMATION				
Country	Poland			
Project title	Contract 4A.3.1 – POLRAD Weather Radar Modernization -			
Scope of the project and activities	As part of the 4A.3.1 Contract, the Contractor shall carry out, among others, the following works:			
Institutional solutions (Name / First name and surname as well as contact details)	OVFM PCU		The Employer Institute of Meteorology and Water Management in Warsaw	
Implementation (Name / First name and surname as well as contact details)	EMP Coordinator	Supervision carried out by the Supervision Inspector	Contractor INSTAL Warszawa S.A.	Contact person
LOCATION DESCRIPTION				
Location name	Weather radar station in			
Description of the location	Brief description - location - plot number, precinct, administrative units. Investment area Land and building registry - extract Information whether there is a LSDP		Terrain map [] YXN	
Who is the owner of this area?	Institute of Meteorology and Water Management - National Research Institute			
Description of the geographic, physical, biological, geological, hydrographic and socio-economic context	<p>Geological structure – brief description <i>Due to the nature of the project, no impact of the investment on the geological conditions is expected/not expected.</i></p> <p>Soil conditions - brief description <i>Due to the nature of the project and its point source character, the impact of the project on soils is expected/not expected.</i></p> <p>Surface waters - brief description of JCWP <i>The planned investment will not create/create a threat to the achievement of environmental objectives for surface water bodies.</i></p> <p>Information on stormwater and impacts on the groundwater environment <i>The planned project is/is not associated with a threat to the ground and water environment.</i></p> <p>Flood risk areas <i>According to the flood hazard maps and flood risk maps published on the 22nd of October 2020, the investment area is not located in an area of particular flood risk.</i></p> <p>Groundwater – brief description of JCWPd</p> <p>Impact on surface and underground waters</p>			

	<p>Description about wastewater production and water use</p> <p>Potencial/No potential contamination of surface water and shallow circulating groundwater is diagnosed during the construction phase due to the proper technical condition of construction machinery and equipment.</p> <p>Landform and water system</p> <p>Description of landforms, watercourses, ditches, etc.</p> <p>Flora, fungi biota and plant communities</p> <p>Description of species present, especially protected species and impact on flora and fauna e.g. information on cuttings, habitat destruction etc.</p> <p>Elements of the environment protected under the Act of the 16th of April 2004 on the protection of nature and ecological corridors (within a radius of 10 km):</p> <p>Cultural heritage – brief description</p> <p><i>The planned investment will/will not have a negative impact on the cultural heritage or, in the event of finding objects of historic importance, it will have a negligible impact.</i></p> <p>Adjacent areas – influence</p> <p>SUMMARY</p> <p>There are/are no wetlands and therefore no hydrogenic ecosystems in the area designated for the project.</p> <p>Furthermore, no residential development is planned in the study area, which is often the cause of biodiversity decline. The investment will not affect species perceived as conflicting and will not increase the penetration of alien species.</p> <p>As a result of the investment, the sites of regionally and nationally valuable species and natural habitats will/will not be destroyed.</p> <p>The implementation of the investment will/will not adversely affect the habitats and species of flora, fauna and fungi.</p> <p>In the case of the planned Investment, there is no possibility of direct and indirect impact of the planned modernisation and construction facilities on the loss, fragmentation or modification of habitats. The investment will be located on a small area.</p> <p>The investment will/will not have a negative impact on the forms of nature protection.</p>
Locations and distances to places where materials can be obtained, especially aggregates, water, stone?	not applicable
LEGISLATION	
Identification of the national and local laws and permits applicable to the project activities	These issues are described in detail in Annex 3 <i>List of national legal acts related to environmental protection</i> to the General Environmental Management Plan - Guidelines for the Contractor for the Contract 4A.3.1. POLRAD Weather Radar Modernization
Identify when/where the public consultation process took place	Public consultation on the check-list is not necessary. (see Part 3 for additional information)
INSTITUTIONAL CAPACITY BUILDING	
Will there be any capacity building?	[X] N or [] Y if yes, Annex 2 contains a capacity-building program

PART 2: INFORMATION ON PREVENTION OF ENVIRONMENTAL IMPACTS

ENVIRONMENT / SOCIAL RESEARCH			
	Activity	Status	Triggered actions
Will the activity at the project site include / relate to any of the following?	A. Construction works	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point A below
	B. Small-scale new construction	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point A below
	C. Individual sewage treatment system	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point B below
	D. Historical building(s) and districts	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point C below
	E. Land occupation ¹	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point D below
	F. Hazardous or toxic materials ²	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point E below
	G. Nature protection	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point F below
	H. Traffic and pedestrian safety	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point G below
	I. Specific guidelines to be followed in the event of an epidemic or a state of emergency during the execution of the works	<input type="checkbox"/> Yes <input type="checkbox"/> No	See point H below

¹ Land occupations include displacement of people, change of 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 run businesses on the occupied land.

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

PART 3: MITIGATING ACTIONS **DETAILS DEPENDING ON THE PROJECT**

ACTIVITY	PARAMETER	CHECK-LIST OF MITIGATING ACTIONS
A. General conditions for the execution of works	Appropriate organisation and work safety	<ul style="list-style-type: none"> (a) Local building and environmental inspectorates and the local community have been informed of upcoming activities, (b) The public has been informed of the works through appropriate media notification and/or publicly available websites (including the location of the works). (c) All legally required building and / or renovation permits have been obtained. (d) The contractor formally undertakes that all work will be carried out in a safe and disciplined manner designed to minimise the impact on surrounding residents and the environment. (e) Health and safety supervision has been established, which will be responsible for appropriate marking (including informing employees about key rules and regulations that must be followed) and securing the construction site. (f) The personal protective equipment of employees will be in line with international good practice (helmets, if necessary, masks and goggles, harnesses and safety shoes are always obligatory). (g) The work area will be properly secured and marked. If the possibility of the presence of hazardous areas that pose a threat to human life and health is identified, they will be marked with warning signs and secured against unauthorised access. (h) The equipment, machines or tools used during the works must ensure compliance with the quality requirements for the Works, health and safety regulations as well as Biosafety regulations (if required) and must not cause damage to the existing infrastructure and elements of the development and landscaping. The contractor will apply the principles of HIV-AIDS and SARS-CoV-2 - COVID-19 prevention. (i) The Contractor shall develop and submit, for approval by the PEU, the procedures related to the World Bank's ES Code of Conduct (environmental, social, health and safety aspects), which are governed by national laws governing environmental protection, health and safety and labour law. (j) The Contractor is obliged to report all accidents involving employees and bystanders, as well as incidents significant from the point of view of the ES Code of Conduct.
B. Construction works on a storage hall and modernisation of research and energy buildings	Air quality	<ul style="list-style-type: none"> (a) The Contractor's vehicles may not pollute the surrounding environment (pavements, roads). (b) Additional measures should be taken, such as sprinkling the construction site facilities and service roads, in order to reduce dusting. (c) Additional measures should be taken, such as securing the area around buildings with foil and / or protective mesh during works that may deteriorate air quality. (d) During the works, leaving vehicles and machines idling will be limited to the necessary minimum. (e) Only vehicles, machines and devices complying with current emission standards will be used.
	Noise	<ul style="list-style-type: none"> (f) The noise related to the modernisation works will be limited to the working hours (6.00 - 22.00). (g) Vehicles, machines and devices will be used to reduce noise to the applicable regulations and standards. (h) During operation, the engine covers of generators, air compressors and other power-driven mechanical equipment should be kept closed and the equipment placed as far as possible from the residential areas.
	Water	<ul style="list-style-type: none"> (i) Construction site facilities should be protected against possible pollution.
	Soils	<ul style="list-style-type: none"> (j) If it is necessary to destroy the fertile layer of soil, it should be collected, stored in heaps and then used for restoration.

		<p>(k) The construction site facilities must be secured against the entry of possible pollutants.</p> <p>(l) In the event of emission of petroleum-derived pollutants onto the soil surface, immediate action must be taken to prevent the spread of pollutants and the contaminated soil must be removed without delay and then disposed of properly as waste.</p>
	Waste management	<p>(m) Waste segregation, storage and disposal paths and locations will be identified for all types of waste expected as a result of the works and designated by the Site Manager.</p> <p>(n) The waste should be handed over to entities authorised for their further management.</p> <p>(o) Records of waste disposal will be kept as evidence of proper management as planned.</p>
C. Individual sewage treatment system	Water quality	<p>(a) Social and domestic sewage shall be collected in sealed, non-returnable containers, the content of which shall be transferred to entities holding appropriate permits for their further management (in case of lack of access to the sewage system)</p>
D. Monument (s)	Cultural heritage	<p>(a) Earthworks such as excavation for foundations, roadbeds, excavation for installations and others must be carried out with due care.</p> <p>(b) In the event of finding objects that may have or have a historical value, the works should be immediately stopped, the area should be secured and the nature conservation officer as well as the Mazowieckie Voivodeship Conservator of Monuments should be notified.</p>
E. Land acquisition	Land acquisition plan / framework	NOT APPLICABLE (the works will be performed on the premises of which IMWM-PIB is the owner and there is no need to acquire land for permanent or temporary use)
F. Toxic materials	Toxic / hazardous waste management	<p>(a) If hazardous waste is present, it will be segregated and stored in separate, designated containers, protected against the effects of the weather.</p>
G. Nature protection	Protected areas, natural habitats, protected species	<p>(a) The activities concerning the re-assessment of the classification of the activities with regard to the obligation to obtain an environmental decision, as well as the acquisition of any relevant permits and decisions, are the responsibility of the Contractor. The Contractor is obliged to inform the PIU on an ongoing basis about the actions taken to obtain administrative decisions and the arrangements made with environmental and nature protection authorities regarding the activities carried out under the Contract. The above-mentioned administrative decisions shall be obtained by the Contractor on behalf of the Employer on the basis of relevant powers of attorney issued.</p> <p>(b) Due to the small area of works and lack of naturally valuable habitats and species (identification was made for the needs of the Report on environmental impact for the modernisation of the radar station), the Contractor for the time of preparation and implementation of works will not employ a team of naturalists responsible for permanent supervision of these works. The nature conservation functions will be performed by an employee of the Contractor having the appropriate knowledge, approved by the Employer. Activities in the field of nature conservation will be carried out in accordance with the applicable regulations and good practices developed under the OVFM Project under the supervision of a representative of the PIU.</p> <p>(c) Works and other works carried out during the period of execution of the Contract shall be carried out under the ongoing nature conservation officer of the Contractor. The nature conservation officer shall, in accordance with his specialty and the type of works performed, inter alia, carry out regular inspections of the entire Contract area (at least once a month) and provide his comments and recommendations on an ongoing basis to the Contractor's personnel responsible for carrying out the works.</p>
	Dendroflora	<p>(d) The felling of trees and shrubs should be limited as much as possible to the objects interfering with the construction sites; felling may only be carried out if an alternative solution is not possible, e.g. the use of trenchless methods.</p>

		<p>(e) Work in the vicinity of trees should be performed under supervision.</p> <p>(f) The Contractor shall apply for a tree and shrub felling permit each time if required by the Nature Conservation Act. The decision authorising the felling of trees and shrubs in accordance with the above-mentioned the Act is obtained each time by the Contractor.</p> <p>(g) The felling of trees breast height of which exceeds 100cm must be preceded by an ornithological survey carried out no more than 7 days before the planned felling.</p> <p>(h) Trees not intended for felling but exposed to damage should be protected.</p> <p>(i) In the event of damage to trees, adequate care and protective measures shall be carried out under the natural conservation officer of the Contractor.</p> <p>(j) If it is not possible to carry out protective measures, limbs and branches of trees not scheduled for removal that are exposed to mechanical damage should be pruned as a preventative measure. Preventive pruning of limbs and branches requires the approval of the PEU in each case.</p> <p>(k) In the case of excavation work exposing the root systems of trees, the root masses should be handled with due care, and exposed roots should be protected until they are covered with soil again, e.g. with jute mats.</p>
H. Traffic and pedestrian safety	Direct or indirect risks to public and pedestrian traffic arising from construction activities	<p>(a) In accordance with the national regulations, the Contractor will ensure adequate protection of the construction site and regulation of traffic related to the construction. This includes, but is not limited to, the following:</p> <ol style="list-style-type: none"> 1. Marking, warning signs. 2. Providing safe and permanent access and transit for emergency services. 3. Agreeing of the transport traffic plan with road owners - if necessary.
I. Specific guidelines to be followed in the event of an epidemic or a state of alert or emergency during the execution of the works	Direct or indirect threats to public health	<p>(a) In the event of an epidemic or a state of epidemic emergency being in force during the execution of the works, the Contractor shall be obliged to:</p> <ol style="list-style-type: none"> 1. to ensure that all necessary precautions are taken for the health and safety of physical workers and the Contractor's Personnel on the construction site, in particular as regards the introduction of appropriate measures to avoid or minimise the spread of diseases, including measures to avoid or minimise the transmission of contagious diseases, which may be related to the influx of temporary or permanent workforce associated with the execution of the Contract, in a manner specified in the content of the applicable Law, e.g. in the issued pursuant to art.46 a of the Act of the 5th of December 2008 on preventing and combating infectious diseases in humans (consolidated text Journal of Laws of 2019, item 1239 as amended d.), regulations on the establishment of certain restrictions, orders and bans in connection with the occurrence of an epidemic, 2. designate a person responsible under the Contract for matters related to the principles of occupational health and safety during an epidemic or epidemic threat, 3. implement appropriate recommendations of sanitary services in the territory of the Republic of Poland and the World Bank, 4. cooperate with the Employer, in particular provide current information on the taken or planned precautionary measures, including the proper protection of the construction site against unauthorised access and the implementation of appropriate procedures,

		5. organise an information campaign (e.g. in the form of posters and instructions placed on the construction site) on the symptoms and signs of infection, virus spread, methods of protection (including e.g. regular hand washing).
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PART 4: MONITORING PLAN

Activity	What	Where	How	When	Why	Cost	Who
A. General conditions for the execution of works	The conditions set out in Part 3 point A	Radar station in Legionowo Control and verification of the Contractor's documents (point 3A a-c)	Verification-assessment / approval of the documentation provided by the Contractor to the PEU. Visual monitoring, photo documentation.	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.
B. Construction works on a storage hall and modernisation of research and energy buildings	The conditions set out in Part 3 point B	Radar station in Legionowo	Verification-assessment / approval of the documentation provided by the Contractor to the PEU. Visual monitoring, photo documentation.	During the period of execution of the Contract, on an ongoing basis, not less than once a month, once for point 3B d, after commissioning the upgraded radar	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.
C. Individual sewage treatment system	The conditions set out in Part 3 point C	Radar station in Legionowo	Verification-assessment / approval of the documentation provided by the Contractor to the PEU. Visual	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.

Activity	What	Where	How	When	Why	Cost	Who
			monitoring, photo documentation.				
D. Monument (s)	The conditions set out in Part 3 point D	Legionowo radar station	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. Visual monitoring, photo documentation.	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.
E. Land occupations	NOT APPLICABLE						
F. Toxic materials	The conditions set out in Part 3 point F	Radar station in Legionowo	Verification-assessment / approval of the documentation provided by the Contractor to the PEU. Visual monitoring, photo documentation.	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.
G. Nature protection	The conditions set out in Part 3 point G	Radar station in Legionowo	Verification-assessment / approval of the documentation provided by the Contractor to the PEU. Visual	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness	Shall be borne by the Contractor	Contractor's staff, PEU staff.

Activity	What	Where	How	When	Why	Cost	Who
			monitoring, photo documentation.		of implementation.		
H. Traffic and pedestrian safety	The conditions set out in Part 3 point H	Radar station in Legionowo	Verification-assessment / approval of the documentation provided by the Contractor to the PIE. Visual monitoring, photographic documentation (including the condition of roads and the possible condition of buildings if transports would be frequent and under limit load), control of obtaining opinions and / or arrangements required by law, administrative decisions.	During the performance of the Contract, on an ongoing basis, at least once a month.	Control of the need for individual activities, control of the correctness of implementation.	Shall be borne by the Contractor	Contractor's staff, PEU staff.
I. Specific guidelines to be followed in the event of an epidemic or a state of alert or emergency	The conditions set out in Part 3 point H	Legionowo radar station	Verification-assessment / approval of the documentation	During the performance of the Contract, on an ongoing basis,	Control of the need for individual activities, control	Shall be borne by the Contractor	Contractor's staff, PEU staff.

Activity	What	Where	How	When	Why	Cost	Who
during the execution of the works			provided by the Contractor to the PEU. Visual monitoring, photographic documentation, control of obtaining opinions and / or arrangements required by law, administrative decisions.	at least once a month.	of the correctness of implementation.		