

GUIDELINES FOR THE EXECUTION OF THE CONTRACT ON ENVIRONMENTAL AND
SOCIAL POLICIES OF THE WORLD BANK
CONTRACT 4A.3.1/j -POLRAD WEATHER RADAR MODERNIZATION –
CONSTRUCTION OF RADAR STATION NEW GDAŃSK

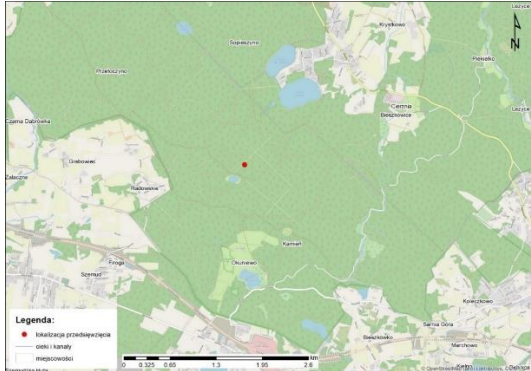
Check-list for environmental and social activities

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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/j – POLRAD Weather Radar Modernization – construction of radar station New Gdańsk			
Scope of the project and activities	<p>As part of the 4A.3.1/j Contract Task, the Contractor shall carry out the following works:</p> <ul style="list-style-type: none"> • Acquisition of land from State Forests; • Agreeing with the State Forests and performing the cutting of existing trees in the area of the planned station; • Execution of the steel structure of the tower together with the foundation; • Construction of internal stairs; • Construction of a ground floor building integrated into the body of the tower, including UPS room, generator room, storage room, utility room, toilet room; • Execution of finishing works of the tower and ground floor with supply of woodwork, finishing of floors and walls; • Execution of internal electrical and lighting installation; • Execution of the teletechnical installation; • Delivery and commissioning of a new UPS uninterruptible power supply unit; • Supply and installation of heating and air-conditioning system; • Installation of a new radar and apparatus with configuration and commissioning; installation of a dome; • Construction of a paved access road and an internal maneuvering area; • Construction of a road connecting the station area with the existing fire road in the forest area; • Construction of a drilled well for water supply purposes; • Construction of a drainless septic tank; • Construction of a new fence for the station area; • Construction of an external electrical system and external lighting; • Installation of: <ul style="list-style-type: none"> – anti-burglary systems, – fire alarm system, – video surveillance systems. 			
Institutional solutions (Name / First name and surname as well as contact details)	OVFM PCU		The Employer Institute of Meteorology and Water Management – National Research Institute in Warsaw (IMGW-PIB)	
Implementation (Name / First name and surname as well as contact details)	EMP Coordinator	Supervision carried out by the Supervision Inspector	Contractor Consortium INSTAL Warszawa S.A. and Leonardo Germany GmbH	Contact person
LOCATION DESCRIPTION				
Location name	Weather radar station New Gdańsk			

<p>Description of the location</p>	<p>The planned project will be located on plot number 439/1 and 440/1 (plots will be created after geodetic division of forest plots), precinct 009 Kamień, Szemud commune, powiat of Wejherowo, Pomeranian voivodeship.</p> <p>The project will be carried out on plots of land with a total area of 0.58 hectares and includes the area of the access road and the plot, which will be fenced in connection with the implementation. The area under the radar tower with infrastructure will occupy about 0.063 hectares, and the rest of the land will be unpaved area, i.e. about 0.43 hectares. In addition, about 0.078 hectares will be occupied by land for an access road. Ultimately, the tower will reach a height of 38.36 meters above ground level. A total of 0.58 ha will be excluded from forestry production, and 0.36 ha will be fenced.</p> <p>The subject of the investment is the construction of a meteorological radar station of the METEOR 735 CDP10 type. The station constitutes a unified whole and will be executed as a one-stage construction. The designed meteorological radar station will be incorporated into the Polish POLRAD meteorological radar network and will be an element of the National Monitoring and Protection System of the Polish national hydrological and meteorological service.</p> <p>The plot is not included in the Local Spatial Development Plan.</p>	 <p>Terrain map [] YXN</p>
<p>Who is the owner of this area?</p>	<p>The Institute of Meteorology and Water Management - National Research Institute</p>	
<p>Description of the geographic, physical, biological, geological, hydrographic and socio-economic context</p>	<p>Geological structure - The investment area is located within the Kashubian Lake District mesoregion (313.51), Pobrzeże Gdańskie macroregion. The mesoregion has many types of coastal landscape, however, two landscape elements dominate: clumps and proglacial valleys, making the relief more varied compared to neighboring mesoregions, referring somewhat to lake district relief. The Kashubian Lake District has a simple geological structure. At the surface, there are deep-seated deposits of sands, silt, marls, till and limestone.</p> <p><i>Due to the nature of the project, no impact of the investment on the geological conditions is expected.</i></p> <p>Soil conditions - Szemud commune is an agriculturally managed area, providing a base for agri-food processing. There are low-class soils with unfavorable agro-ecological conditions, with a predominance of weak and very weak rye complexes.</p> <p><i>Due to the nature of the project and its point source character, the impact of the project on soils is not expected.</i></p>	

Surface waters - the investment area is located in the catchment area of the Surface Water Body with the European code RW20001747929 Zagórska Struga. The indicated Water Body is 52.3 km long, and the catchment area is 148.42 km². The status has been determined as a Type 17 natural watercourse (Sandy lowland stream).

The planned investment will not create a threat to the achievement of environmental objectives for surface water bodies.

The project area receives an average of approximately 600 mm of precipitation per year. Rainwater and snowmelt will be discharged into the ground spontaneously. The project area is not expected to create paved areas, larger than 0.14 hectares, and this paved area will have a surface permeable to rainwater. In addition, rainwater will not run off onto neighboring plots.

The construction of the radar station does not involve risks to the soil and water environment.

Flood risk areas

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.

Groundwater - in terms of groundwater, the analysed area is located within the limits of the groundwater body (GWB) with a code PLGW200013, which has a good chemical status, good quantitative status, and therefore good general condition. The GWB, based on the status analysis, was determined to be not at risk with regard to achieving the environmental objectives.

Impact on surface and underground waters

Construction of a radar tower is planned, a facility that does not require a constant supply of water for either technological or social purposes. A well is planned to be drilled, but the planned water intake is negligible.

Potential contamination of surface water and shallow circulating groundwater at the stage of construction and operation is not diagnosed..

Landform and water system

No areas or sites filled with stagnant water, watercourses or ditches were observed on plots 439/1 i 440/1. No other hydrated or wet areas or ponds were identified.

Landscape

Currently, the land for the proposed station is occupied by forests. The plot is located in the Tri-City Landscape Park, on National Forest land. Due to its location in the forest and the lack of an obstacle painting requirement, the radar tower will not be seen from a considerable distance after construction, but only at closer range.

The construction of the radar will require the cutting of trees from the area of the planned station. The cutting and the appearance of a new tall object in the environment will have a negative impact on the landscape, but thanks to its location in the middle of the forest, this impact will be minimized by the limited visibility of the structure.

Negative impact of the modernization works on the landscape is diagnosed.

Air condition

In connection with the construction of the radar tower station, there will be passenger vehicle traffic, as well as vehicles associated with the transportation of supplies and waste disposal. As for deliveries and waste disposal, there will be dozens of trips throughout the construction period. Due to the lack of work in the road lane and exit to the road, a Traffic Organization Project is not required.

Nuisance of the planned project during the construction period will be associated with the possibility of temporary, mainly limited to the area of the works, increased emissions of dust and gases, associated with the work of machinery, welding, grinding and construction of the paved road. Due to the unorganized nature of the emissions, their variability over time, and the short duration of their occurrence, these emissions are difficult to estimate, but are not expected to have a permanent impact on the state of air quality. It will be of a short-term local and reversible nature.

There will be no electromagnetic impact during construction. The weather radar will be activated not until after the work is completed during the site operational test. The area of exceedance will include a radius of about 59 m at the height of the center of the antenna, i.e. 35 m.a.s.l., an area inaccessible to people. In more detail, the electromagnetic impact of meteorological radars is described in the General Environmental Management Plan - Contractor's Guidelines for Contract 4A.3.1 in Chapters 2, 4.9, 5.8.

A short-term, local impact on air quality is diagnosed to occur during refurbishment works, but this would cease with the completion of the works.

Acoustic climate

At the stage of construction, implementation of the project in question, noise will be a nuisance at a distance of up to 100 m from working machinery or ongoing work. The greater the distance from the emitter, the greater the decrease in sound power. Taking into account the location of buildings (about 1 km to the southeast and 1.15 km to the west) and the location in the forest, the stage of implementation will not be associated with inconvenience and exceedance of acceptable standards. For the average sound power level calculated for the sample 4 emitters (98.1dB), noise propagation at a distance of 100 m from the source will be 58.1dB.

Due to land use, the area in question should be considered as forests, which, according to the Regulation of the Minister of Environment of June 14, 2007 on permissible levels of noise in the environment (Journal of Laws 2014, item 112), are not acoustically protected areas.

For the duration of the construction works, i.e. about 8 months, there will be dozens of truck trips with transport or disposal of waste, which may emit noise of up to 102 dB (at source). The truck trips will take place between 6:00 a.m. and 10:00 p.m., and will not inconvenience residential buildings 1.15 km away.

Noise emissions at the construction stage are temporary and will cease with the completion of the works.

Flora, fungi biota and plant communities

The area of the planned radar station is currently a forest area. Eurasian wild boar (*Sus scrofa*), European roe deer (*Capreolus capreolus*), common fox (*vulpes vulpes*), European red deer (*cervus elaphus*) and common squirrel (*sciurus vulgaris*) have been found or observed on or near it.

The area of the future New Gdańsk radar station, and at the same time the future project, will not be a foraging area for large mammals due to its fencing. Small mammals may also occur in the area, however, the area of the radar station will not be an attractive feeding or living area for them.

The bird fauna of the area is characteristic of the mixed forest surrounding the study area. The surrounding forest is being converted, so there are deciduous and coniferous youngsters and clear cuts in the immediate area. The potential herpetofauna in the area is poor, but despite the dystrophic features, the water body on plot 440 (after subdivision 440/2) may be a potential breeding site. During the site visit, no invertebrates were observed in the study area.

No protected species of fungi or lichens were found, nor were species of polychaete fungi found.

The site of the planned project and its surroundings is a mixed fresh forest of natural character with dominant species: beech, pine, oak, locally green douglas fir, spruce and larch. The proportion of moss layer is significant. It was found, after re-inventory, that cypress rocket and goldenseal tunicum predominate on the plot. In the close vicinity of the project, two non-forest habitats were found - a natural dystrophic water body and a transitional bog and moor around it. They are mainly built up by peat bog, peat swamp, and common bog is also present. Construction should not affect this habitat.

Within plots 439/1 and 440/1 on which the radar station and access road will be located, no valuable and protected natural habitats have been identified. In the 100 m

buffer, the valuable habitat is a water body and a peat bog. Appropriate mitigation measures will minimize the impact on this habitat, if it were to occur.

The construction of the radar tower will not have a significant negative impact on the environment and protected areas. Exclusion of 0.58 hectares from forestry production is required for the implementation of the project. In this area, tree cutting will be implemented by the State Forests, which will take the harvested wood.

Valuable natural species, bird nests and trees inhabited by bats or other animals have not been inventoried in the area of the planned cutting. The clearing of a relatively small area of forest will not have a significant impact on its functioning or on the protective functions of the Tri-City PK. In addition, once the project is completed, the area will be left to natural succession with the possibility of cutting down volunteer trees, which may create conditions attractive to species that prefer more open spaces.

It is expected that upon completion of the project, the site of the future radar station will be occupied by native species characteristic of the region and climatic zone, so the impact on biodiversity is expected to be positive.

Trees exposed during construction work will be protected. Approximately 100 trees will be targeted for cutting, as well as undergrowth and shrubbery from the plot.

Impacts on biodiversity and habitats will occur, but will not be significant.

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 5 km):

The implementation is located within the Tri-City Landscape Park. The implementation will not affect the park's conservation goals, but will have an impact on the landscape. However, according to Article 17, paragraph 2, item. 4 of the Law on Nature Protection, the prohibitions applicable in the landscape park do not apply to the implementation of public purpose investments.

Forms of nature conservation within 5 km are described in Table 2 of the General Environmental Management Plan - Guidelines for the Contractor 4A.3.1. Contract - POLRAD weather radar modernization and the map of investment location against the background of nature protection forms can be found in Annex 6j Location Map of the 4A.3.1 Contract against the protected areas – NOWY GDAŃSK to the above-mentioned document.

Cultural heritage

There are no historic buildings or archaeological protection zones in the area of the planned project or in its immediate vicinity.

The planned investment will not adversely affect cultural heritage. However, in the case of the unlikely but possible discovery of objects of historical significance (artifacts) through the application of the procedures in force in the Project, the impact will be negligible.

Adjacent areas

The implementation of the project will not have a significant negative impact and will not alter the areas adjacent to the plot. The project site is located in the vicinity of forest areas. The nearest development not belonging to the Investor is located at a distance of about 1 km to the southeast (forester's lodge).

Materials used

Only environmentally safe, non-toxic materials will be used during construction. A steel-framed tower will be built, on which a meteorological radar will be mounted along with a dome.

The following table shows the estimated quantities of necessary construction materials.

Scope	Description of main materials	Estimated quantity
New Gdańsk		
<i>Main tower structure</i>	Structural steel	40 t

<i>External covering</i>	PUR sandwich panels	1100 m ²
<i>Tower foundations</i>	Concrete	98 m ²
	Reinforcing steel	10 t
<i>Staircase</i>	Structural steel	7 t
<i>Platform</i>	Structural steel	5 t
<i>Tower ceiling</i>	Trapezoidal sheeting	40 m ²
	PUR sandwich panels	40 m ²
	Roofing membrane	40 m ²
<i>Ground floor partition walls</i>	Cellular concrete	70 m ²
<i>Road system</i>	Paving stones	430 m ²
	Broken aggregate	130 m ³
	Broken aggregate	300 m ³

The remaining work will focus on finishing inside the tower and will require dozens of pallets of finishing materials. These materials will be stored unevenly over a period of 8 months. They will be stored in a designated area. Since hazardous materials will not be stored, they do not require additional safeguards.

A Waste Management Plan will be developed for the construction, subject to the approval of the Employer, where the types of waste that will be generated, the method of their disposal and the principles of segregation will be described.

Waste will be stored in designated containers at the designated site and removed regularly, so that it will not linger. All waste, including electro-waste will be collected and disposed of by an authorized entity, with which the Contractor will sign a contract before the start of the work. It is not planned to give the electro-waste to the purchase or collection points for such waste. A special container will be designated for it at the construction site, if such waste is generated.

At the stage of implementation if a generator set will be required it should stand on sealed material.

At the stage of operation, it is required that the fuel for the generator set is at least stored in a double-walled tank with anti-corrosion protection. Sorption materials will be located at the station site.

SUMMARY

There are no wetlands and therefore no hydrogenic ecosystems in the area designated for the project.

The investment will not affect species perceived as conflicting and will not increase the penetration of alien species.

As a result of the radar tower construction, there will be no degradation of regionally and nationally valuable species sites and natural habitats.

The implementation of the investment will not adversely affect the habitats and species of flora, fauna and fungi.

In the case of the planned Investment, there is no possibility of direct or indirect impact of the planned modernisation facilities resulting in loss, fragmentation or modification of habitats. The investment will be located on a small area.

The investment will not have a negative impact on the forms of nature protection.

Locations and distances to places where materials can be obtained, especially aggregates, water, stone?

not applicable

LEGISLATION

<p>Identification of the national and local laws and permits applicable to the project activities</p>	<p>These issues are described in detail in Annex 3 <i>List of 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 Modernisation</p> <p>Decision No. 1 ZRIP/2022EL on permission for the implementation of investments in the field of meteorological radar stations, dated October 18, 2022. Pomeranian Voivode sign: WI-III.7840.3.1.2022.EL</p>
<p>Identify when/where the public consultation process took place</p>	<p>Public consultation on the check-list is not necessary. (see Part 3 for additional information)</p>
<p>INSTITUTIONAL CAPACITY BUILDING</p>	
<p>Will there be any capacity building?</p>	<p><input checked="" type="checkbox"/> N or <input type="checkbox"/> Y if yes, Annex 2 contains a capacity-building program</p>

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	X Yes <input type="checkbox"/> No	See point A and B below
	B. Small-scale new construction	X Yes <input type="checkbox"/> No	See point A and B below
	C. Individual sewage treatment system	<input type="checkbox"/> Yes X No	See point C below
	D. Historical building(s) and districts	<input type="checkbox"/> Yes X No	See point D below
	E. Land occupation ¹	<input type="checkbox"/> Yes X No	See point E below
	F. Hazardous or toxic materials ²	<input type="checkbox"/> Yes X No	See point F below
	G. Nature protection	X Yes <input type="checkbox"/> No	See point G below
	H. Traffic and pedestrian safety	<input type="checkbox"/> Yes X 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 the works	X Yes <input type="checkbox"/> No	See point I 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

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 permits for realization 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. (i) The contractor will apply the principles of HIV-AIDS and SARS-CoV-2 - COVID-19 prevention. (j) The Contractor shall develop and submit, for approval by the PIU, 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. (k) The Contractor is obliged to report all accidents involving employees and bystanders to the PIU, as well as incidents significant from the point of view of the ES Code of Conduct.
B. Construction works on the radar station	Air quality	<ul style="list-style-type: none"> (a) The Contractor's vehicles may not pollute the surrounding environment (pavements, roads). (b) Additional measures such as sprinkling of construction sites and process roads should be used to reduce dust. (c) For each location where the radar system will be upgraded, electromagnetic fields shall be measured to determine compliance with standards. After conducting each measurement, the Contractor shall submit the results to the PIU for verification. The level of electromagnetic fields in the environment shall not exceed acceptable standards. (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) Such vehicles, machines and devices will be used, that provide reduction of the 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) Provide for the area of construction facilities, storage of construction materials and equipment, operation of the generator, storage areas for hazardous substances and storage of waste on a hardened, sealed surface (e.g., concrete slabs, rubber). (j) Refuel construction vehicles and machinery outside the construction site. An exception, with extreme caution, may be the refueling of a generator set on a sealed surface with access to sorbent. (k) Store materials and raw materials in such a way as to prevent contamination from entering the ground and water. (l) Do not allow the site to be contaminated with chemicals that may seep into the waters, the places designated for the storage of substances that may pose a threat to the waters should be protected with insulation materials. (m) Equip the construction site, especially the vehicle staging area, with suitable sorbents for precipitating contaminants, especially petroleum-based (e.g., fuels, lubricants) and synthetic (e.g., oils) contaminants.
	Soils	<ul style="list-style-type: none"> (n) If it is necessary to destroy the topsoil, the topsoil shall be collected, stockpiled, and then used for restoration. (o) Use the gathered soil layer as much as possible to restore the soil after tree cutting. Use natural material for the remaining backfill. (p) In the event of the emission of oil contaminants to the soil surface, take immediate measures to prevent the spread of contamination and remove the contaminated soil without delay, and then dispose of it properly as waste.
	Waste management	<ul style="list-style-type: none"> (q) 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. (r) Waste should be transferred to entities authorized for further management. (s) Records of waste disposal shall be maintained as evidence of proper management as designed.
C. Individual sewage treatment system	Water quality	<ul style="list-style-type: none"> (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). Equip the facilities with portable toilets.
D. Monument (s)	Cultural heritage	<ul style="list-style-type: none"> (a) Earthworks should be carried out with due care. (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 environmental supervisor as well as the Pomeranian Voivodeship Conservator of Monuments should be notified.
E. Land acquisition	Land acquisition plan / framework	<ul style="list-style-type: none"> (a) The work will be carried out on land that belongs to the State Treasury and is under the management of the State Forests. Under the special act, the State Forestry Board will be abolished. There is no need to acquire land for permanent or temporary use from private parties. (b) There is no need to create a Real Estate Resettlement and Acquisition Plan, as the land parcel does not change hands, nor does anyone live on it.
F. Toxic materials	Toxic / hazardous waste management	<ul style="list-style-type: none"> (a) If hazardous waste occurs, it will be segregated and stored in separate, designated containers, protected from weathering, in a sealed area or enclosed in a place inaccessible to the public. (b) Handle used oil spill neutralizers as hazardous waste and hand them over for disposal.
G. Nature protection	Protected areas, natural habitats, protected species	<ul style="list-style-type: none"> (a) The activities concerning re-assessment of classification of the activities with regard to the obligation to obtain an environmental decision, as well as 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>(b) Due to the small area of construction works and lack of naturally valuable habitats and species (identification was made for the needs of the Report on environmental impact for the construction 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 protection functions will be performed by an employee of the Contractor having the appropriate knowledge, approved by the Employer. Activities in the field of nature protection 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 carried out during the period of execution of the Contract shall be carried out under the ongoing environmental supervision of the Contractor. The environmental supervision expert 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 objects that interfere with the sites of the works; felling may be carried out only when an alternative solution, such as the use of trenchless methods, is not possible, i.e., the felling of approximately 100 trees from the implementation site and the clearing of the plot of undergrowth and shrubs.</p> <p>(e) Tree cutting does not require a permit under the Law on Nature Protection. It will be carried out by the State Forestry under the special flood act.</p> <p>(f) Trees that are not to be felled but are vulnerable to damage shall be protected, according to the tree species and conditions, by shields made of boards, jute mats or netting.</p> <p>(g) In case of damage to trees, adequate care and protection measures shall be carried out under the Contractor's environmental supervision.</p> <p>(h) If it is not possible to carry out protective measures, branches of trees not scheduled for removal exposed to mechanical damage shall be pruned as a preventive measure.</p> <p>(i) In the case of excavation work exposing the root systems of trees, with root balls, it should be carried out with due care, and the exposed roots, until they are covered with soil again, should be protected with, for example, jute mats. The mats should be sprinkled regularly until the first frost occurs, i.e. the end of October.</p> <p>(j) If possible, do not cut roots larger than 4 cm in diameter.</p> <p>(k) Do earthwork as far as possible at least 2 m from the tree trunk. Do not cover tree trunks with earth above the height of 0.2 m above the original ground level and shrubs above the height of 0.1 m above the original ground level.</p> <p>(l) Do not store earth masses, concrete masses, cement, aggregate, oil, fuel, and construction materials within the projection of tree crowns and trunks.</p>
	Animal protection	<p>(m) Secure all openings in doors and walls of rooms, especially ventilation openings, for example with netting with a mesh size of no more than 0.5 cm in diameter to prevent bats, birds, and smaller mammals from occupying these objects.</p> <p>(n) When excavation is carried out, secure the excavation with netting to prevent small animals from entering. In addition, inspect the excavation every morning before proceeding with further work. If necessary, with caution, remove the animal from the excavation and carry it outside the construction site.</p> <p>(o) Fence off natural habitats 3160 and 7140 on plot 440/2 (lake and bog) with a fence made of smooth foil with a height of min. 40 cm and dug in to a depth of 10 cm along the forest road opposite the construction entrance for a length sufficient to protect animal migration during the breeding season, especially herpetofauna.</p>

H. Traffic and pedestrian safety	Direct or indirect risks to public and pedestrian traffic arising from construction activities	(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: <ol style="list-style-type: none"> 1. Marking, warning signs. 2. Providing safe and permanent access and transit for emergency services. 3. Agreeing on the Traffic Organization Project with the owner and/or lessee of the road - 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	(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: <ol style="list-style-type: none"> 1. 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 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).

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 New Gdańsk Control and verification of the Contractor's documents (point 3A a-c)	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, PIU staff.
B. Construction works on the radar station	The conditions set out in Part 3 point B	Radar station in New Gdańsk	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. 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 c, 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, PIU staff.
C. Individual sewage treatment system	The conditions set out in Part 3 point C	Radar station in New Gdańsk	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. 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, PIU staff.

Activity	What	Where	How	When	Why	Cost	Who
			monitoring, photo documentation.				
D. Monument (s)	The conditions set out in Part 3 point D	Radar station in New Gdańsk	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, PIU staff.
E. Land occupations	The conditions set out in Part 3 point E	Radar station in New Gdańsk	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, PIU staff.
F. Toxic materials	The conditions set out in Part 3 point F	Radar station in New Gdańsk	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. Visual monitoring,	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, PIU staff.

Activity	What	Where	How	When	Why	Cost	Who
			photo documentation.				
G. Nature protection	The conditions set out in Part 3 point G	Radar station in New Gdańsk	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, PIU staff.
H. Traffic and pedestrian safety	The conditions set out in Part 3 point H	Radar station in New Gdańsk	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. 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	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, PIU staff.

Activity	What	Where	How	When	Why	Cost	Who
			opinions and / or arrangements required by law, administrative decisions.				
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	The conditions set out in Part 3 point I	Radar station in New Gdańsk	Verification-assessment / approval of the documentation provided by the Contractor to the PIU. Visual monitoring, photographic documentation, 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, PIU staff.