


GUIDELINES FOR THE EXECUTION OF THE CONTRACT ON ENVIRONMENTAL AND  
SOCIAL POLICIES OF THE WORLD BANK  
CONTRACT 4A.3.1/e -POLRAD WEATHER RADAR MODERNIZATION –  
METEOROLOGICAL RADAR STATION POZNAŃ

**Check-list for environmental and social activities**

## **TABLE OF CONTENTS**

|  |    |
|--|----|
| PART 1: GENERAL INFORMATION ABOUT THE PROJECT AND LOCATION ..... | 3  |
| PART 2: INFORMATION ON PREVENTION OF ENVIRONMENTAL IMPACTS ..... | 8  |
| PART 3: MITIGATING ACTIONS .....                                 | 9  |
| PART 4: MONITORING PLAN .....                                    | 13 |

## PART 1: GENERAL INFORMATION ABOUT THE PROJECT AND LOCATION

| INSTITUTIONAL AND ADMINISTRATIVE INFORMATION  |   |  |  |
|---|---|--|--|
| Country   | <b>Poland</b>   |  |  |
| Project title   | Contract 4A.3.1/e – POLRAD Weather Radar Modernization – meteorological radar station Poznań  |  |  |
| Scope of the project and activities   | <p>As part of the 4A.3.1/e Contract Task, the Contractor shall carry out the following works:</p> <ul style="list-style-type: none"> <li>• dismantling of the existing dome and radar together with the equipment;</li> <li>• installation of a new radar, apparatus and dome along with the necessary adjustment works;</li> <li>• sealing of the apparatus room roof sheathing and balcony surface;</li> <li>• replacement of external doors (entrance to the tower and entrance to the fuel room);</li> <li>• painting of balcony and gallery railings;</li> <li>• replacement of flooring in apparatus room - execution of anti-static epoxy flooring;</li> <li>• replacement of the floor in the staircase (tower base) - execution of epoxy floor;</li> <li>• building of a utility room in the lower part of the tower;</li> <li>• modernization of heating, ventilation and air conditioning installations;</li> <li>• modernization of electric and data communication installations;</li> <li>• replacement of fuel tanks and connection installation;</li> <li>• replacement of: <ul style="list-style-type: none"> <li>– anti-burglary systems,</li> <li>– fire alarm system,</li> <li>– video surveillance systems.</li> </ul> </li> </ul> |  |  |
| Institutional solutions<br><br>(Name / First name and surname as well as contact details) | OVFM PCU  |  | The Employer<br>Institute of Meteorology and Water Management – National Research Institute in Warsaw (IMGW-PIB) |
| Implementation<br><br>(Name / First name and surname as well as contact details)          | EMP Coordinator   | Supervision carried out by the Supervision Inspector | Contractor<br>Consortium INSTAL Warszawa S.A. and Leonardo Germany GmbH  |
| Contact person  |   |  |  |
| LOCATION DESCRIPTION  |   |  |  |
| Location name   | Weather radar station in Poznań   |  |  |
| Description of the location   | <p>The planned investment will be located on plot of land no. 286/1, Wysogotowo precinct, Tarnowo Podgórne municipality, poznański powiat, wielkopolskie voivodeship.</p> <p>The area of the investment on a part of the plot of land no. 286/1 Wysogotowo is 0.11 ha and includes an area under the modernized radar tower with infrastructure (0.07 ha) and an unpaved area (0.044 ha) which are located in the fenced area of the radar station. The project will be implemented on land marked in</p>   |  |  <p>Terrain map [ ] YXN</p>  |

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|  | <p>the register as Bi - other developed land.</p> <p>The plot is not covered by the Local Spatial Development Plan.</p>  |
| Who is the owner of this area?   | <p>The Institute of Meteorology and Water Management - National Research Institute leases a plot of land from the State Forests.</p> <p>The owner of the plot is the State Treasury.</p>   |
| Description of the geographic, physical, biological, geological, hydrographic and socio-economic context | <p><b>Geological structure</b> - The investment area is located within the Poznański Lakeland mesoregion (315.51), Wielkopolska macroregion. The modern relief of this area is the result of erosive glacial activity. It is formed by moraine uplands rising 80-100 meters above sea level, intersected by numerous deeply incised troughs.</p> <p><i>Due to the nature of the project, no impact of the investment on the geological conditions is expected.</i></p> <p><b>Soil conditions</b> - The area of the municipality belongs to the Szamotulsko-Opalenice soil-agricultural region, which is distinguished by its high agricultural culture. There is a great diversity in the complexes of agricultural suitability of soils. Arable land of poor quality occupies the areas around Wysogotowo.</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> <p><b>Surface waters</b> - the investment area is located in the catchment area of the Surface Water Body with the European code RW60001718576 Potok Junikowski.</p> <p><i>The planned investment will not create a threat to the achievement of environmental objectives for surface water bodies.</i></p> <p>The project area receives an average of approximately 553 mm of precipitation per year. Rainwater and snowmelt will be discharged into the ground spontaneously, flowing off the radar. No new paved areas are expected to be created in the project area that have a permeable surface for rainwater. In addition, rainwater will not flow to adjacent plots of land.</p> <p><i>Modernization works on the tower are not associated with any threat to the soil and water environment.</i></p> <p><b>Flood risk areas</b></p> <p><i>According to the flood hazard maps and flood risk maps published on the 22<sup>nd</sup> of October 2020, the investment area is not located in an area of particular flood risk.</i></p> <p><b>Groundwater</b> - in terms of groundwater, the analysed area is located within the limits of the groundwater body (GWB) with a code PLGW600060, 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.</p> <p><b>Impact on surface and underground waters</b></p> <p>Modernization work is planned for the radar tower, which does not require a permanent water supply for technological or social purposes. There will be no permanent staff working at the facility.</p> <p><i>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.</i></p> <p><b>Landform and water system</b></p> <p>No areas or sites filled with stagnant water, watercourses or ditches were observed on plot 286/1. No other hydrated or wet areas or ponds were identified.</p> <p><b>Landscape</b></p> <p>The object covered by this checklist, i.e. the weather radar station, is located in a forested area next to the buildings of the Polish Air Navigation Services Agency (PAŻP), so a developed area. Due to the development rules of the area surrounding airports, the</p> |

radar tower is one of the taller structures in the area and has obstacle painting, so it is visible in the immediate surroundings. In addition to the PAŻP buildings, there is a forest around, so the tower is not visible from a distance. In addition, due to the object's long presence in the landscape, it has blended in with its surroundings. Moreover, its renovation can only have a positive impact on the landscape by improving the aesthetics of the facility.

*No negative impact of the modernization works on the landscape is diagnosed.*

#### **Air condition**

In connection with the renovation of the radar station, there will be passenger vehicle traffic, as well as vehicles associated with the transportation of supplies and waste disposal. Due to the lack of interference with the existing infrastructure belonging to the municipality, as well as the low volume of traffic, which is estimated at about 10-15 heavy car trips for the entire construction period, i.e. about 2 months, including cranes and several passenger cars per day, a Traffic Organization Plan is not required.

It may be necessary to place a crane in the road lane, which will be determined with the road manager and may require a Traffic Organization Plan.

The inconvenience of the planned project during the period of repair and construction work will be associated with the possibility of temporary, limited mainly to the area of the work, increased emissions of dust and gases, associated with the work of machinery, welding, grinding and activities related to the cleaning of railings and their painting. 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 short-term and local in nature.

*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 and nature of the buildings (about 15 m of technical building, 50 m of office buildings), the stage of implementation will not be associated with inconvenience and exceedance of permissible standards. For the average sound power level, calculated for the example 4 emitters (98.1dB), noise propagation at a distance of 100 m from the source will be 58.1dB. Given the land use, the area in question should be considered as forest land and office buildings, 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), for which the permissible LAeq D is not subject to protection. In addition, the standards for distant residential areas (950 m) will not exceed the permissible standards, even taking into account the acoustic background of the airport.

For the duration of the construction and renovation works, i.e. about 2 months, there will be about 10-15 truck trips with transport or waste disposal, which can emit noise up to 102 dB. They will take place between 6:00 a.m. and 10:00 p.m. and will not inconvenience residential developments.

*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 Poznań radar station and, at the same time, the future investment does not constitute a feeding ground for large mammals.

The avifauna and herpetofauna of the site are characteristic of mixed forest areas. Species abundance is affected by the heavily urbanized area surrounding the forest island and the airport. 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.

No valuable and protected natural habitats were found within the plot where the radar station is located and in the surveyed 100 m buffer. The plot is covered with regularly mowed, seeded lawn. Most of the plot is paved with jomb slabs and paving stones. A dozen coniferous trees grow on the plot. The land adjacent to the west is developed by PAŽP, on the other sides the plot is surrounded by mixed forest, separated by a road to the south.

The renovation of the station will not adversely affect the natural environment and nearby protected areas.

The impact on biodiversity and habitats is and will remain very low.

**Elements of the environment protected under the Act of the 16<sup>th</sup> of April 2004 on the protection of nature and ecological corridors (within a radius of 5 km):**

The investment site is not located within any form of nature conservation, nor will it affect the forms of nature conservation in its surroundings. 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 6e Location Map of the 4A.3.1 Contract against the protected areas - POZNANĀ 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 have a negative impact on the cultural heritage or, in the event of finding objects of historic importance, it will have a negligible impact.*

**Adjacent areas**

The implementation of the project will not have a significant negative impact and will not change in the areas adjacent to the plot. The project site is located within a forest area. The nearest buildings not belonging to the Investor are located at a distance of about 15 m to the east - the technical building, 50 m to the east of the PAŽP buildings and 950 m to the north of the residential development.

**Materials used**

Only environmentally safe, non-toxic materials will be used during construction and renovation work. During the renovation work, mainly materials such as bituminous felt, coated sheet elements, sandwich panels, electrical wiring, epoxy paint, small-sized steel elements will be used. Due to the very small scope of the renovation work, the quantities of individual materials will be low and most will be stored in a warehouse at the site or built into the facility immediately upon delivery. Since hazardous materials will not be stored, they do not require additional protection.

Precipitation will be stored in designated containers at the designated site and will be taken away regularly, so that it will not pile up. In connection with the use of the currently paved area for construction facilities, no transformation of the existing space is expected after its decommissioning. The following waste will be generated during the works: scrap metal about 4,000 kg, mixed construction waste about 400 kg, electro-waste about 400 - 700 kg. In addition, a radar with a dome will be disposed of. Some electronic components will be collected by IMGW-PIB for future use. Hazardous waste will be generated - oil used in the radar and radar control cabinet. It will be drained from the device with due care, stored in a special leak-proof tank on a leak-proof base and handed over for disposal to an authorized entity. It is not planned to give the electro-waste to a collection or collection points for such waste. A special container, provided by the waste collector, will be allocated on the site for it.

|   |   |
|---|---|
|   | <p><b>SUMMARY</b></p> <p><b>There are no wetlands and therefore no hydrogenic ecosystems in the area designated for the project.</b></p> <p><b>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.</b></p> <p><b>As a result of the radar tower modernization, there will be no degradation of regionally and nationally valuable species sites and natural habitats.</b></p> <p><b>The implementation of the investment will not adversely affect the habitats and species of flora, fauna and fungi.</b></p> <p><b>In the case of the planned Investment, there is no possibility of direct and indirect impact of the planned modernisation facilities on the loss, fragmentation or modification of habitats. The investment will be located on a small area.</b></p> <p><b>The investment will not have a negative impact on the forms of nature protection.</b></p> |
| Locations and distances to places where materials can be obtained, especially aggregates, water, stone? | not applicable  |
| <b>LEGISLATION</b>  |   |
| Identification of the national and local laws and permits applicable to the project activities          | <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>Notification of the intention to carry out construction works to the Starost of Poznań dated 13.06.2022 (no objection from the office dated 29.06.2022, sign: AB.6743.18.129.2022.IX)</p>  |
| Identify when/where the public consultation process took place  | Public consultation on the check-list is not necessary.<br>(see Part 3 for additional information)  |
| <b>INSTITUTIONAL CAPACITY BUILDING</b>  |   |
| Will there be any capacity building?  | <input checked="" type="checkbox"/> N or <input type="checkbox"/> 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   | X Yes <input type="checkbox"/> No | See point <b>A</b> and <b>B</b> below |
|   | B. Small-scale new construction   | <input type="checkbox"/> Yes X No | See point <b>A</b> and <b>B</b> below |
|   | C. Individual sewage treatment system   | <input type="checkbox"/> Yes X No | See point <b>C</b> below              |
|   | D. Historical building(s) and districts   | <input type="checkbox"/> Yes X No | See point <b>D</b> below              |
|   | E. Land occupation <sup>1</sup>   | <input type="checkbox"/> Yes X No | See point <b>E</b> below              |
|   | F. Hazardous or toxic materials <sup>2</sup>  | <input type="checkbox"/> Yes X No | See point <b>F</b> below              |
|   | G. Nature protection  | X Yes <input type="checkbox"/> No | See point <b>G</b> below              |
|   | H. Traffic and pedestrian safety  | <input type="checkbox"/> Yes X No | See point <b>H</b> 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 <b>I</b> below              |

<sup>1</sup> 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.

<sup>2</sup> 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  |
|---|--|---|
| <b>A. General conditions for the execution of works</b> | Appropriate organisation and work safety | <ul style="list-style-type: none"> <li>(a) Local building and environmental inspectorates and the local community have been informed of upcoming activities.</li> <li>(b) The public has been informed of the works through appropriate media notification and/or publicly available websites (including the location of the works).</li> <li>(c) All legally required building and / or renovation permits have been obtained or works have been notified.</li> <li>(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.</li> <li>(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.</li> <li>(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).</li> <li>(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.</li> <li>(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.</li> <li>(i) The contractor will apply the principles of HIV-AIDS and SARS-CoV-2 - COVID-19 prevention.</li> <li>(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.</li> <li>(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.</li> </ul> |
| <b>B. Modernization works on the radar station</b>      | Air quality                              | <ul style="list-style-type: none"> <li>(a) The Contractor's vehicles may not pollute the surrounding environment (pavements, roads).</li> <li>(b) 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 accepted acceptable standards.</li> <li>(c) During the works, leaving vehicles and machines idling will be limited to the necessary minimum.</li> <li>(d) Only vehicles, machines and devices complying with current emission standards will be used.</li> <li>(e) Protecting loose, dusty materials that are raw materials for construction and earth masses and wastes of the same nature generated during construction activities from the effects of wind (e.g., by covering with tarps, spraying with water in the case of earth masses).</li> </ul>   |
|   | Noise                                    | <ul style="list-style-type: none"> <li>(f) The noise related to the modernisation works will be limited to the working hours (6.00 - 22.00).</li> <li>(g) Such vehicles, machines and devices will be used, that provide reduction of the noise to the applicable regulations and standards.</li> </ul>   |

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|  |  | (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  | (i) Construction site facilities, machinery and equipment staging areas, and construction material storage areas shall be located in a paved area and protected against environmental contamination, particularly with petroleum substances.<br>(j) Refuel construction vehicles and machinery off site.<br>(k) The construction site will be equipped with materials to neutralize potential spills, e.g. sorbent.  |
|  | Soils  | (l) If it is necessary to destroy the topsoil, the topsoil shall be collected, stockpiled, and then used for restoration.<br>(m) Construction site shall be protected against the entry of possible pollutants.<br>(n) In the case of emission of oil contaminants on the soil surface, immediate action must be taken to prevent the spread of contamination and immediately remove the contaminated soil, and then subject it to appropriate management as hazardous waste.<br>(o) During external works, e.g. painting of railings, cleaning of facades, in case of risk of soil contamination, properly secure the ground before starting the works. Use hot water, demineralized water or biodegradable cleaning products to wash the tower. If it is necessary to use other detergents, protect the ground with foil and sorbent in order not to contaminate the soil. |
|  | Waste management                                     | (p) 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.<br>(q) Appropriate waste management shall be ensured, including separate storage in separate and designated areas, under conditions that prevent pollution from entering the environment, and transfer for reuse or disposal.<br>(r) Waste should be transferred to entities authorized for further management.<br>(s) Records of waste disposal shall be maintained as evidence of proper management as designed.   |
| <b>C. Individual sewage treatment system</b> | Water quality  | (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).   |
| <b>D. Monument (s)</b>                       | Cultural heritage                                    | (a) Conduct earthwork, such as for installations and other excavations, with due care.<br>(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 Wielkopolskie Voivodeship Conservator of Monuments should be notified.   |
| <b>E. Land acquisition</b>                   | Land acquisition plan / framework                    | NOT APPLICABLE (the works will be performed on the premises of which IMGW-PIB is a tenant and there is no need to acquire land for permanent or temporary use)   |
| <b>F. Toxic materials</b>                    | Toxic / hazardous waste management                   | (a) If hazardous waste is present, it will be segregated and stored in separate, designated containers, protected against the effects of the weather.<br>(b) During implementation of the project, substances particularly harmful to the aquatic environment, which may potentially be found in the area of work, will be stored in sealed containers, meeting fire and environmental protection requirements.<br>(c) Handle used oil spill neutralizers as hazardous waste and hand them over for disposal.  |
| <b>G. Nature protection</b>                  | Protected areas, natural habitats, protected species | (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  |

|   |  |  |
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|   |  | <p>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 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.</p> <p>(e) Work around trees must be carried out under supervision.</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 blocks should be carried out with due care, and exposed roots, until re-covered with soil, should be secured with, for example, jute mats.</p>   |
|   | Animal protection  | <p>(j) 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>  |
| <b>H. Traffic and pedestrian safety</b> | 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"> <li>1. Marking, warning signs.</li> <li>2. Providing safe and permanent access and transit for emergency services.</li> <li>3. Agreeing on the Traffic Organization Project with the owner and/or lessee of the road - if necessary.</li> </ol>   |

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| <p><b>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</b></p> | <p>Direct or indirect threats to public health</p> | <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"> <li>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 5<sup>th</sup> 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,</li> <li>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,</li> <li>3. implement appropriate recommendations of sanitary services in the territory of the Republic of Poland and the World Bank,</li> <li>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,</li> <li>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).</li> </ol> |
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## PART 4: MONITORING PLAN

| Activity  | What                                     | Where  | How  | When   | Why  | Cost                             | Who                            |
|---|--|--|--|--|--|----------------------------------|--------------------------------|
| <b>A. General conditions for the execution of works</b> | The conditions set out in Part 3 point A | Radar station in Poznań<br>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>B. Modernization works on the radar station</b>      | The conditions set out in Part 3 point B | Radar station in Poznań  | 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 b, 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. |
| <b>C. Individual sewage treatment system</b>            | The conditions set out in Part 3 point C | Radar station in Poznań  | 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,<br>photo<br>documentation.   |   |  |                                  |                                |
| <b>D. Monument (s)</b>      | The conditions set out in Part 3 point D | Radar station in Poznań | 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>E. Land occupations</b>  | NOT APPLICABLE                           |                         |  |   |  |                                  |                                |
| <b>F. Toxic materials</b>   | The conditions set out in Part 3 point F | Radar station in Poznań | 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>G. Nature protection</b> | The conditions set out in Part 3 point G | Radar station in Poznań | 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                    | Shall be borne by the Contractor | Contractor's staff, PIU staff. |

| Activity  | What                                     | Where                   | How  | When  | Why  | Cost                             | Who                            |
|---|--|-------------------------|--|---|--|----------------------------------|--------------------------------|
|   |  |                         | monitoring, photo documentation.   |   | of implementation.   |                                  |                                |
| <b>H. Traffic and pedestrian safety</b>   | The conditions set out in Part 3 point H | Radar station in Poznań | 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 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. |
| <b>I. Specific guidelines to be followed in the event of an epidemic or a state of alert or emergency</b> | The conditions set out in Part 3 point I | Radar station in Poznań | 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, PIU staff. |

| Activity                                 | What | Where | How  | When                   | Why                                   | Cost | Who |
|--|------|-------|--|------------------------|---------------------------------------|------|-----|
| <b>during the execution of the works</b> |      |       | provided by the Contractor to the PIU. 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. |      |     |