# GUIDELINES FOR THE EXECUTION OF THE CONTRACT ON ENVIRONMENTAL AND SOCIAL POLICIES OF THE WORLD BANK
# CONTRACT 4A.3.1/a.2 -POLRAD WEATHER RADAR MODERNIZATION - WAREHOUSE, ENERGY AND RESEARCH BUILDING IN LEGIONOWO

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

2021

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

| INSTITUTIONAL AND ADMINISTRATIVE INFORMATION | | |
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| Country | **Poland** | |
| Project title | Contract 4A.3.1/a.2 – POLRAD Weather Radar Modernization - Warehouse, energy and research building in Legionowo | |
| Scope of the project and activities | As part of the 4A.3.1 Contract, the Contractor shall carry out, among others, the following works:<br>• A storage hall with dimensions of 14 m x 9 m x 4.5 m at the front and 3.5 m at the back of the building in steel construction technology with sandwich panel cladding, along with lightning protection, roof drainage, electrical, heating, ventilation and pneumatic installations. Access to the storage hall is provided by 2 electrically operated gates with integrated doors for personnel access and evacuation purposes. The modernised boiler room located in the research building will be the source of heat for the heating system. The heat service connection between the storage hall and the boiler house will be made with an underground network using pre-insulated pipe technology;<br>• Relocation of the carport currently located on the site of the planned construction of a storage hall;<br>• Felling of three trees located in the area of the planned construction of the storage hall;<br>• Renovation of the research and energy building:<br>– renovation and reconstruction of rooms (bathrooms, kitchenette, technical rooms) - painting, walls, floors,<br>– repair and renovation of the roof and chimneys,<br>– the pneumatic installation in the research building,<br>– renovation and replacement of internal and external door and window joinery in the research and energy building,<br>– project and sanitary installations (fire water supply, water and sewage, central heating),<br>– modernisation of the gas boiler room with replacement of the gas boiler<br>– thermo-modernisation and new facade,<br>– replacement of the following systems<br>• anti-theft,<br>• fire alarm system,<br>• video monitoring systems;<br>• modernisation of the existing external fence;<br>• demolition and laying of new pavements, paths, bands around buildings and a driveway made of cobblestones;<br>• repair of the damaged hardened manoeuvring area in front of the entrance gates to the facility;<br>• reconstruction and modernisation of energy and ICT installations (power supply lines, cabinets and switchboards and external and internal installations, external lighting);<br>• earthing, surge protection and equipotential bonding installations. | |
| 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 in Warsaw |

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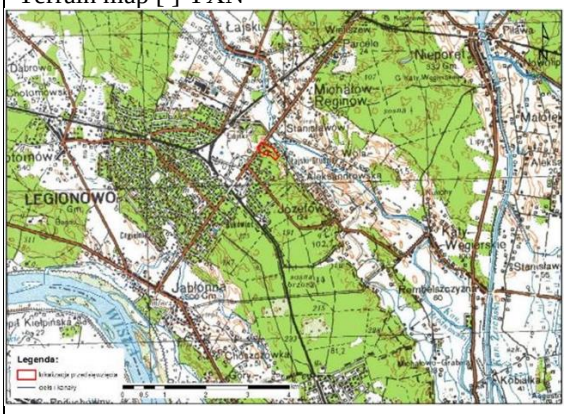
| Implementation<br><br>(Name / First name and surname as well as contact details) | EMP Coordinator | Supervision carried out by the Supervision Inspector | Contractor<br>Consortium INSTAL Warszawa S.A. and Leonardo Germany GmbH | Contact person |
| **LOCATION DESCRIPTION** | | | | |
| Location name | Weather radar station in Legionowo | | | |
| Description of the location | The planned investment is located on the plot with registration no. 1/14, precinct 16, Legionowo commune, Legionowo poviat, Mazowieckie voivodship.<br>The area of the investment on the plot no. 1/14, in the precinct 16 is 0.041 ha and includes land for a newly constructed storage hall (0.013ha) and upgraded research and energy buildings (0.028ha) which are located in the fenced area of the radar station near the southern boundary of the property. The investment will be implemented on the land of the LsVI, Lzr-RVI, RVI and BI valuation classes.<br>The plot is covered by the Local Development Plan and is located in the area marked with the symbol D-2 UN1 - areas for development of science services | Terrain map [ ] YXN<br>  | | |
| 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 | **Geological structure** - the investment area is located in the central part of the Warsaw Basin, which is the middle, deepest part of the marginal basin. The Warsaw basin is formed by cretaceous formations and filled by Tertiary and Quaternary sediments.<br>*Due to the nature of the project, no impact of the investment on the geological conditions is expected.*<br>**Soil conditions** - the area of Legionowo is dominated by podzolic and brown alkaline soils developed on water-glacial, fluvial and aeolian sands. These soils belong to the 5th and 6th valuation class.<br>*Due to the nature of the project and its point source character, the impact of the project on soils is not expected.*<br>**Surface waters** - the investment area is located in the catchment area of the Surface Water Body with the European code RW200002674 Kanał Bródnowski Dolny and RW20002625992 Struga Jabłonna.<br>*The planned investment will not create a threat to the achievement of environmental objectives for surface water bodies.*<br>The project area receives an average of approximately 522 mm of precipitation per year. Rainwater and snowmelt will be discharged into the ground spontaneously, flowing down the gutters from the roofs of the facilities. No paved areas larger than 0.005 hectares are anticipated within the investment site and this paved area will have a rainwater permeable surface. In addition, rainwater will not flow to adjacent plots of land. | | | |

*The modernisation of research and energy buildings as well as the construction of a storage hall are not associated with any threat 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 PLGW200054, 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**

It is planned to build a storage building and to modernise the energy building, i.e. facilities that do not require a permanent water supply for either technological or social purposes. It is also planned to modernise the research building in which office and research works are carried out on a permanent basis, therefore water is taken from the water supply network of the city of Legionowo for social purposes.

*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.*

**Landform and water system**

No areas or sites filled with stagnant water, watercourses or ditches were observed on plot 1/14. No other hydrated or wet areas or ponds were identified.

**Landscape**

The facilities included in this checklist, i.e. the storage hall, the research building and the energy building are not well visible beyond the forest line in which they are located, and thus do not significantly affect the landscape. The renovated buildings already exist and blend in with the plot's surroundings, and their renovation can only have a positive impact on the landscape by replacing the facade and door and window frames, which will improve the aesthetics. The warehouse hall will be erected on an already developed plot, it will not differ in size from other existing buildings and therefore it will not negatively influence perception of the landscape on the developed plot.

*No negative impact of the warehouse hall construction and the renovation of research and energy buildings on the landscape is diagnosed.*

**Air condition**

In connection with the construction of the warehouse and renovation of the research and energy buildings, there will be passenger vehicle traffic, as well as vehicles associated with the transport of supplies and disposal of waste from earthworks. With regard to deliveries and removal of earthmoving waste, there will be approximately 30 trips during the entire construction period. Due to the lack of interference in the existing infrastructure belonging to the municipality, as well as low car traffic, which will be limited to approx. 30 heavy vehicle trips for the entire construction period, i.e. approx. 3 months, and a few passenger cars per day, the Traffic Organization Plan is not required.

Nuisance of the planned project in the period of repair and construction works will be associated with the possibility of temporary, limited mainly to the area of works, increased emission of dusts and gases, associated with machinery operation, welding, grinding and activities related to the removal of old paint coatings and painting of external and internal surfaces, earthworks. Due to unorganized character of emission, its variability in time and short period of occurrence it is difficult to estimate, however, it is not expected to have permanent impact on the air condition. It will have short-term and local character.

*It is diagnosed that there will be a short-term local impact on air condition during construction and renovation works, but it will disappear when the works are finished.*

**Acoustic climate**

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|---|---|
| | At the stage of construction works, implementation of the project in question, the noise will be burdensome at the distance of 100m from working machines or conducted works. The greater the distance from the emitter, the greater the decrease in acoustic power. Taking into account the location of buildings (approx. 150 m) the execution stage will not be associated with inconveniences and exceeding of acceptable standards. For the average sound power level calculated for the sample four emitters (98.1dB), the noise propagation at a distance of 150m from the source will be 54.6dB. Due to the land use, the subject area should be considered an area of multi-family housing and collective residence, which in accordance with the Regulation of the Minister of Environment of 14 June 2007 on permissible noise levels in the environment (Journal of Laws 2014, item 112), for which acceptable LAeq D is 55 dB, Additionally, it should be noted that the plot where the project will be located is covered with greenery, which will provide a kind of natural acoustic protection, so the actual noise emission for residential areas may be lower.<br><br>For the duration of the construction and renovation works, i.e. approximately 3 months, there will be approximately 30 truck trips with transport or removal of earthmoving waste, which may emit noise up to 102 dB. The trips will take place between 6:00 a.m. and 10:00 p.m. Vibrations and temporary exceeding of noise standards for residential buildings at 40 and 42 Zegrzyńska St., located on an internal road in the forest, may occur. However, this will be so rare and short-lived (a few minutes per day) that it does not require additional measures.<br><br>*Noise emissions at the construction stage are temporary and will cease with the completion of the works.*<br><br>**Flora, fungi biota and plant communities**<br><br>The area of the Legionowo radar station and at the same time the future investment site is not a feeding place for large mammals. According to information received from employees, foxes (Vulpes vulpes) and squirrels (Sciurus vulgaris) are seen at the radar station.<br><br>The bird fauna of the area is characteristic of the urbanized areas and forests surrounding the studied area. Potentially, the grass frog (Rana temporaria) and the common toad (Bufo bufo) may be present in the area. During the on-site inspection, no invertebrates were observed in the area.<br><br>No protected species of fungi or lichens, or species of multi-fruit fungi have been found.<br><br>No valuable and protected natural habitats were identified within the part of parcel 1/14 where the radar station is located and within the analysed 100 m buffer. On the site there are 3 yew-trees (Taxus baccata), the species under partial protection in Poland. They are not endangered by the planned construction works, and will be additionally protected for the time of their duration. Plant species characteristic of fresh coniferous forest dominated.<br><br>The construction of a storage hall and the modernisation of research and energy buildings will not adversely affect the natural environment and the nearby protected areas.<br><br>The impact on biodiversity and habitats is and will remain very small. The construction of a storage hall will have a little impact on biodiversity and habitats. It will be built partly on the section of land currently occupied by the garage, partly on grassy sandy soil which is not a habitat for animals or protected species. The interference with the environment will consist mainly in the felling of three trees (9 trunks - oak and two birches), the felling of which has been approved by the competent authority.<br><br>**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):**<br><br>The investmenr 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 10 km are described in Table 2 of the General Environmental Management Plan - Contractor's Guidelines for the 4A.3.1. Contract. Modernisation of the POLRAD weather radar network and the map of investment location against the background of |

nature protection forms can be found in Annex 6a Location Map of the 4A.3.1Contract against the background of protected areas - LEGIONOWO to the above-mentioned document.

**Cultural heritage**

The planned investment is located in the immediate vicinity of archaeological zones I and II under protection pursuant to the Local Development Plan of the city of Legionowo, which are partly located on parcel No. 1/14, precinct 0016, on which the investment is located. The plot itself, however, is much larger than the area covered by the construction works and in accordance with the decision of the Mazowieckie Voivodship Conservator of Monuments No. WA.5183.22.7.2021.AO. the investment was released from the necessity to conduct archaeological research prior to the commencement of the works, due to the fact that it is located outside the above-mentioned archaeological zones.

In addition, on the plot there are two buildings built in the 1930s, entered in the Voivodship Register of Historical Monuments, the first 250 m from the site area - a former residential building, and the second 450 m from the site area, the main building of the Institute of Meteorology and Water Management in Legionowo. Due to their location, they are not exposed to damage due to construction.

*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 the areas adjacent to the plot. The investment site is located in the vicinity of wooded and urbanised areas. The nearest buildings not belonging to the Investor are located at a distance of approx. 130 m to the north and east (buildings at ul. Górna in Legionowo).

**Materials used**

Only environmentally safe, non-toxic materials will be used during construction and renovation. Primarily steel construction elements, concrete, sand left over from earthworks, paints, polystyrene and finishing materials will be used in quantities not exceeding 4t of structural steel, 2t of reinforcing steel, 368 m2 of PUR sandwich panel, 20 m2 of road paving, 22 m3 of concrete and up to 50 pallets of finishing materials. These materials will be stored unevenly over 2 months. They will be stored on the existing hardened yard belonging to IMGW-PIB in a designated place. As hazardous materials will not be stored, they do not require additional protection.

Waste material will be stored in special containers at the designated site and will be transported away regularly so that it does not accumulate. Due to the use of the currently hardened area for the construction backup facilities, no transformation of the existing space is expected after its removal.

**SUMMARY**

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

**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.**

**As a result of the modernisation of the research and energy buildings and the construction of a storage hall, the sites of regionally and nationally valuable species and natural habitats will not be destroyed.**

**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 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.**

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| | **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** | |
| Identification of the national and local laws and permits applicable to the project activities | These issues are described in detail in Annex 3 *List of legal acts related to environmental protection* to the General Environmental Management Plan - Guidelines for the Contractor for the Contract 4A.3.1. POLRAD Weather Radar Modernisation |
| | |
| 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) |
| **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 | | | |
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| | **Activity** | **Status** | **Triggered actions** |
| Will the activity at the project site include / relate to any of the following? | A. Construction works | [] Yes X No | See point **A** below |
| | B. Small-scale new construction | X Yes [] No | See point **A** below |
| | C. Individual sewage treatment system | [] Yes X No | See point **B** below |
| | D. Historical building(s) and districts | [ ] Yes X No | See point **C** below |
| | E. Land occupation[1] | [] Yes X No | See point **D** below |
| | F. Hazardous or toxic materials[2] | [] Yes X No | See point **E** below |
| | G. Nature protection | X Yes [] No | See point **F** below |
| | H. Traffic and pedestrian safety | [] Yes X 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 | X Yes [] 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

| ACTIVITY | PARAMETER | CHECK-LIST OF MITIGATING ACTIONS |
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| **A. General conditions for the execution of works** | Appropriate organisation and work safety | (a) Local building and environmental inspectorates and the local community have been informed of upcoming activities,<br>(b) The public has been informed of the works through appropriate media notification and/or publicly available websites (including the location of the works).<br>(c) All legally required building and / or renovation permits have been obtained.<br>(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.<br>(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.<br>(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).<br>(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.<br>(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.<br>(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.<br>(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 | (a) The Contractor's vehicles may not pollute the surrounding environment (pavements, roads).<br>(b) Additional measures should be taken, such as sprinkling the construction site facilities and service roads, in order to reduce dusting.<br>(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.<br>(d) During the works, leaving vehicles and machines idling will be limited to the necessary minimum.<br>(e) Only vehicles, machines and devices complying with current emission standards will be used. |
| | Noise | (f) The noise related to the modernisation works will be limited to the working hours (6.00 - 22.00).<br>(g) Vehicles, machines and devices will be used to reduce noise to the applicable regulations and standards.<br>(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 should be protected against possible pollution. The area where the construction facilities will be located is already paved. |

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| | Soils | (j) If it is necessary to destroy the fertile layer of soil, it should be collected, stored in heaps and then used for restoration.<br>(k) The construction site facilities must be secured against the entry of possible pollutants.<br>(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. |
| | Waste management | (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.<br>(n) The waste should be handed over to entities authorised for their further management.<br>(o) Records of waste disposal will be kept as evidence of proper management as planned. |
| **C. Individual sewage treatment system** | 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) |
| **D. Monument (s)** | Cultural heritage | (a) Earthworks such as excavation for foundations, roadbeds, excavation for installations and others must be carried out 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 nature conservation officer as well as the Mazowieckie Voivodeship Conservator of Monuments should be notified. |
| **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 | (a) If hazardous waste is present, it will be segregated and stored in separate, designated containers, protected against the effects of the weather. |
| **G. Nature protection** | 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 administrative decisions shall be obtained by the Contractor on behalf of the Employer on the basis of relevant powers of attorney issued.<br>(b) Due to the small area of works connected with construction of the storage hall, modernisation of the research and power buildings 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.<br>(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. |

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| | Dendroflora | (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, i.e. the felling of 1 oak and 2 birches (9 trunks) interfering with the construction of the storage hall.<br>(e) Work in the vicinity of trees should be performed under supervision.<br>(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.<br>(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.<br>(h) Trees not intended for felling but exposed to damage should be protected.<br>(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.<br>(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.<br>(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. |
| **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:<br>1. Marking, warning signs.<br>2. Providing safe and permanent access and transit for emergency services.<br>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 | (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:<br>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 infections 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,<br>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,<br>3. implement appropriate recommendations of sanitary services in the territory of the Republic of Poland and the World Bank, |

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| | | 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,<br>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 Legionowo<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 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. | | |