

Annex 1 - Plan of mitigation measures

In this Annex to the Environmental Management Plan for the Odra - Vistula Flood Management Project, Contract 1B.8 - Flood protection of Krosno Odrzańskie, the following measures aimed at mitigating adverse impacts on the environment are presented, serving as guidelines for the Contractor under the above-mentioned Contract. The costs and schedule of implementing these measures should be included in the Bid. The condition related to discussing the implementation of the EMP during working meetings and Site Meetings (pos. 80) also applies to the Engineer and PIO.

The conditions described in Annex 1 to EMP are grouped according to the following thematic categories:

Category name	Position in the table
<i>01 - Requirements related to the location and limitation of the area of temporary occupations</i>	1 - 5
<i>02 - Requirements regarding transport services in the Task implementation area</i>	6 - 7
<i>03 - Organization of the construction site, construction site facilities, warehouses and storage yards</i>	8 - 15
<i>04 - Requirements concerning securing the protected natural resources</i>	16 - 23
<i>05 - Rules for land reclamation and handling topsoil</i>	24 - 26
<i>06 - Requirements for felling and protection of trees and shrubs</i>	27 - 32
<i>07 - Requirements for waste management</i>	33 - 41
<i>08 - Requirements for preventing the spread and for the eradication of invasive plant species</i>	42 - 43
<i>09 - Rules for conducting works in watercourse beds</i>	44 - 49
<i>10 - Requirements for preventing environmental pollution</i>	50 - 57
<i>11 - Requirements for protection of cultural monuments</i>	58 - 62
<i>12 - Requirements for protection of human health and safety</i>	63 - 74
<i>13 - Requirements for the Contractor's personnel involved in the implementation of the EMP</i>	75 - 81
<i>14 - Requirements resulting from a permit required by the Water Law Act</i>	82 - 85
<i>15 - Particular requirements of the ES World Bank policies</i>	86 - 95

16 - Guidelines on how to act during the state of epidemic or epidemic emergency during works implementation	96
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Explanations for the table in Annex 1 to EMP:

- unless otherwise stated in a particular case, the term **Task implementation area** means the area of performing any preparatory works, essential works (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed during the Defects Notification Period, together with the lands subject to temporary occupation;
- unless otherwise stated in a particular case, the term **Task implementation period** means the duration of any preparatory works, essential works execution (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed in the Defects Notification Period;
- unless otherwise stated in a given case, the requirements for the Contractor described in the EMP refer to the entire area of Task implementation.
- The plan of mitigation measures, where necessary, will be implemented taking into account the World Bank Policy set out in the Project Operational Manual for the Odra - Vistula Flood Management Project, also taking into account the Land Acquisition and Resettlement Action Plan, in cooperation with the team implementing this Plan and in accordance with the World Bank's Operational Policy Op. 4.12.
- Construction area / construction site mean the places where Permanent Works are to be implemented, including storage locations and work areas to which the Equipment and Materials are to be delivered, as well as other places indicated in the Contract as being part of the Construction Site. The terms "construction area" and "construction site" are terms used interchangeably and understood as "Construction Site" in the Contract Conditions.

Pos.	Issue	Location	Mitigation measure	Responsible party
01 - Requirements related to the location and limitation of the area of temporary occupations				
1.	Land surface and landscape protection	Task implementation area	<p>Limitation of land occupation and of land surface transformation</p> <p>The following principles shall be applied in order to limit the occupation area and land surface transformation during the Task implementation:</p> <ul style="list-style-type: none"> a) area occupation as well as land surface transformation during any types of works conducted in connection with Task implementation shall be limited to the necessary minimum, b) in areas adjacent to the Task implementation area (permanently and temporarily occupied plots), occupy land only in the area of the existing traffic systems. 	Contractor
2.	Land surface and landscape protection	Task implementation area	<p>Obligation to prepare site facilities</p> <p>Before commencing the construction works, it is necessary to provide site back-up facilities, technological roads and yards.</p>	Contractor
3.	Overall rules for the wildlife protection	Task implementation area	<p>Preservation of natural assets beyond the places required to be occupied for the purpose of Task execution</p> <p>The following will be ensured when determining the location of technological routes and sites, back-up facilities and other places of temporary occupation:</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<ul style="list-style-type: none"> a) preservation of protected natural habitats, sites and habitats of protected species; b) the construction site facilities (equipment base, building materials, earth masses) and the levelling of excavated earth masses shall be located outside the protected natural habitats and outside the habitats of protected species; c) preservation of all the tree- and shrub-based vegetation occurring beyond the areas required to be occupied in reference to the modernization of the existing embankments and construction of new ones; d) a precise location of technological routes and sites, back-up facilities and other places of temporary occupation shall be agreed in consultation with experts of the Contractor's environmental supervision team, so as not to worsen the ecological status of natural objects located within the Task implementation area. 	
4.	Overall rules for the wildlife protection	Task implementation area	<p>Reducing the area of damage within natural habitats and habitats of species.</p> <p>Reduce as far as possible the area of damage as a result of building works conducted within valuable natural habitats and habitats of species. The results of a one-time environmental stocktaking referred to in pos. 16 of Annex no. 1 to the EMP will be taken into account when fulfilling this condition.</p>	Contractor
5.	Overall rules for the wildlife protection	Task implementation area	<p>Conditions for location of technological routes, back-up facilities, sites</p> <p>A precise location of back-up facilities and technological routes and sites shall be agreed in consultation with experts of the Contractor's environmental supervision team, so as not to worsen the ecological status of natural objects located within the implementation area.</p>	Contractor
02 - Requirements regarding transport services in the Task implementation area				
6.	Protection of human health and safety	Task implementation area	<p>General conditions connected with access to the work area</p> <p>Access to the construction site (based on the existing system of roads) and speed limits near the construction site - safe and least disturbing for the nearby residents shall be ensured at the stage of Task implementation.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

7.	<p>Protection of human health and safety</p> <p>Protection of material assets</p> <p>Land surface protection</p>	Task implementation area	<p>Conditions for use of access roads to the Task implementation area along with their surroundings</p> <p>In the scope of the use of access roads to the Task implementation area, the following conditions apply:</p> <ul style="list-style-type: none"> a) The Contractor will provide the traffic organization design for the duration of the Works, in accordance with the provisions of Technical Specifications and requirements of the Road Managers regarding transport and conditions of roads use, b) The Contractor is obliged to agree the routes intended for use and the traffic organization and works security designs with the Road Managers. The Contractor is obliged to carry out traffic organization according to the agreed designs (marking and securing the Work area as well as marking detours and recommended road marking associated with the change of traffic organization etc.). c) Prior to Works commencement, the Contractor shall present Programme and the traffic organization and works security designs agreed with the Road Managers to the Engineer for approval. Depending on the needs and works progress, the traffic organization designs shall be updated by the Contractor on an on-going basis (the updates made must be agreed with the Road Managers), d) in accordance with valid laws and agreements with the Road Managers concerning roads used by the Contractor; the access routes shall be marked. These markings shall be regularly checked by the Contractor and in the event of destruction or theft of the marking, the Contractor shall promptly reconstruct or replace it, e) paved surfaces used for vehicle transportation of building materials within the site back-up facilities should be maintained in good technical condition and kept clean, f) The Contractor shall be responsible for any damage to the structures, buildings, roads, drainage ditches, culverts, water supply and gas pipe lines, power poles and power lines, cables, geodetic control network and any type of system as well as other types of facilities such as: vertical and horizontal signs, navigation signs, information boards, cultural assets etc., caused by the Contractor or his Subcontractors during the execution of works. The 	Contractor
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The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>Contractor is also responsible for restoring the flow capacity of drainage ditches and installations in the area of conducted works and the transportation roads used, in case of any damage caused by works implementation and transportation related with works.</p> <ul style="list-style-type: none"> g) The Contractor is obliged to prepare photographic documentation of the entire area of the works' implementation with particular focus on the technical condition of roads and buildings located in the areas close to roads used for transport of construction materials. h) Prior to works commencement, the Contractor in the presence of Road Managers shall conduct field inspections resulting in the development of reports on the condition of access roads to the Task implementation area. On this basis the Contractor will be obliged to restore the technical condition of roads from the time before the Task implementation period. i) The Contractor shall immediately repair any resulting damages at their own expense and also, if necessary, shall perform other works instructed by the Engineer. j) The Contractor shall respect the statutory limitations of loads per vehicle axle during transportation of materials and equipment to and from the Task implementation area. The Contractor shall also obtain all necessary permits from the authorities for transportation of non-typical loads and shall constantly inform the Engineer about each case of such a transportation. 	
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03 - Organization of the construction site, construction site facilities, warehouses and storage yards				
8.	Overall rules for the wildlife protection	Task implementation area	<p>Prevention of animal access to the work areas</p> <p>Back-up facilities, technological roads, places of storage of construction materials, places where works are performed etc., situated in the vicinity of places of occurrence and routes of seasonal migration of amphibians shall be secured against access of amphibians, reptiles, small mammals, by a tight fencing of a height of not less than 0.5 m.</p> <p><i>The implementation of condition 2.13 of the decision on environmental conditions (Annex 4a) is indicated as the minimum scope of implementation of the measure: "Along the embankment II, in its northern part over a distance of 160 m (from km 0 + 490 to km 0 + 650), a tight protective fencing made of geotextile, dug 10 cm into the ground shall be installed. The protective fence should be set up throughout the entire period of earthworks execution and traffic of vehicles in the indicated section, it shall not be dismantled for the winter in the event of works continuation for two seasons".</i></p> <p>The type, detailed location of fences and their installation shall be agreed with an expert herpetologist from the Contractor's environmental supervision team mentioned in pos. 77 of Annex 1 to the EMP.</p>	Contractor
9.	Overall rules for the wildlife protection	Task implementation area	<p>Repair of possible damages to fencing of work implementation areas</p> <p>Any damages occurring in the area of the fencing described in pos. 8 of Annex no. 1 to the EMP shall be regularly removed.</p> <p>Such measures will be carried out with the participation of an expert herpetologist of the Contractor's environmental supervision team mentioned in pos. 77 of Annex 1 to the EMP.</p>	Contractor
10.	Overall rules for the wildlife protection	Task implementation area	<p>Reduction of accidental animal death</p> <p>The following rules shall be introduced to reduce accidental animal death within the Task implementation area:</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>a) methods securing water chambers, excavations, collectors etc. against the possibility of small mammals, amphibians and reptiles falling into them shall be used. These structures should be designed in a manner allowing animals to get out in case they get trapped in them,</p> <p>b) if the animals trapped in the abovementioned structures cannot get out on their own, they shall be safely captured and moved outside the area of works implementation,</p> <p>c) the animals shall be transported under the supervision of an expert herpetologist or an expert Teriologist of the Contractor's environmental supervision team experienced in handling such cases.</p>	
11.	Water and soil protection	Task implementation area	<p><i>Equipping areas that are potential locations of emission of pollutants with sorbents</i></p> <p>Near temporary occupations, such as:</p> <ul style="list-style-type: none"> • construction site back-up facilities (being also vehicle, machine and equipment service locations, where they are garaged, refueled, maintained, etc.), • technological routes; • storage yards, <p>a sorbent station should be set up to enable quick elimination of the effects of a possible leakage of fuel and petroleum derivatives. Above all, the sorbent station should be located near the garage and refueling location.</p>	Contractor
12.	Water and soil protection	Task implementation area	<p><i>Sorbents and technical measures to combat the effects of pollutant emissions in work implementation areas</i></p> <p>Mobile sorbent stations enabling quick liquidation of the effects of possible leakage of fuel and petroleum derivatives should be located in the immediate vicinity of the places where works are carried out. In work implementation areas located near watercourses, it is necessary to provide agents suitable for use on the water surface, including sorbent socks.</p>	Contractor
13.	Water and soil protection	Task implementation area	<p><i>Protection of the Task implementation area against the spread of pollution</i></p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			In the Task implementation area, it is not allowed to carry out repairs and service of construction equipment, e.g. perform oil/fluids changes etc.	
14.	Water and soil protection	Task implementation area	<p>Protection of the construction site facilities against the spread of pollution</p> <p>Construction site facilities (the base of equipment and building materials) should be located on a hardened surface, lined with an impermeable insulating material, protecting the ground against the ingress of any solid or liquid pollutants.</p>	Contractor
15.	Surface water protection	Task implementation area	<p>Water supply for construction purposes</p> <p>Water for technological and living purposes should be supplied by water carts.</p>	Contractor
04 - Requirements concerning securing the protected natural resources				
16.	Overall rules for the wildlife protection	Task implementation area	<p>Performing a one-time wildlife survey</p> <p>Before commencing the works, a one-time wildlife inventory (conducted by the Contractor's environmental supervision team referred to in pos. 77 of Annex No. 1 to the EMP) of areas intended for temporary and permanent occupations shall be performed, aimed at:</p> <ul style="list-style-type: none"> a) determining the current distribution of patches of natural habitats included in Annex I of the Habitats Directive (Council Directive 92/43/EEC), of sites of protected plant, fungi and animal species, b) determining the locations where protected species may be potentially present, c) determining the locations of invasive species. <p>The Contractor provides the Engineer with the results of a one-time wildlife inventory within 21 days of its completion.</p>	Contractor
17.	Overall rules for the wildlife protection	Task implementation area	<p>Marking the boundaries of natural habitats</p> <p>Prior to the commencement of works, the boundaries of patches of natural habitats (in particular, code 6440 alluvial meadows (<i>Cnidion dubii</i>), 6430 riverside herbs</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>(<i>Convolvuletaia sepium</i>)) should be marked in a visible way for the staff performing and supervising the works, and patches of natural habitats located in the vicinity of areas covered by works must be effectively (e.g. by fencing with wooden piling and forest netting) protected against damage, pollution, vehicle and machine traffic, as well as against free access of persons associated with the conducted works. The protective condition of measures implemented for the patches shall be constantly supervised and any damages shall be repaired.</p> <p>Measures shall be carried out with the participation of an expert phytosociologist of the Contractor's environmental supervision team.</p>	
18.	Overall rules for the wildlife protection	Task implementation area	<p>Obtaining the necessary derogations from the prohibitions applicable to protected species</p> <p>The Contractor (if necessary - adequately to the results of the wildlife inventory carried out, referred to in item 16 of Annex No. 1 to the EMP) will obtain the necessary permits for derogations from the prohibitions applicable to protected species of plants, fungi and animals issued on the basis of the Act for Environmental Protection.</p> <p>The measures should be carried out with the participation of experts of the Contractor's environmental supervision team.</p>	Contractor
19.	Overall rules for the wildlife protection	Task implementation area	<p>Moving protected species out of work implementation areas</p> <p>In the event of necessity to destroy or relocate the protected species outside the work implementation areas, the Contractor, with the participation of relevant experts of the Contractor's environmental supervision team, is obliged to:</p> <ul style="list-style-type: none"> a) plan these measures and obtain appropriate permits (administrative decisions issued on the basis of the Act for Environmental Protection) to carry them out, b) carry out these activities effectively, c) also carry out other activities required by this permit (e.g. prepare and submit reports to the authority issuing the relevant permit (administrative decision)). 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

20.	Overall rules for the wildlife protection	Task implementation area	<p>Adopting an appropriate Programme of works</p> <p>The Contractor should provide a Programme for execution of works so that the dates and location of respective stages of construction works are in compliance with requirements of the environmental decision and the EMP and so that they do not affect the protected species found in the Task implementation area and in its vicinity.</p>	Contractor
21.	Overall rules for the wildlife protection	Task implementation area	<p>Limitation of accidental amphibian mortality</p> <p>Isolated still water bodies occurring in the area of the Task implementation, which may constitute amphibian habitats, should be eliminated on an ongoing basis.</p> <p>Liquidation of the isolated still water bodies should be carried out in consultation with and under the supervision of an expert herpetologist of the Contractor's environmental supervision team.</p>	Contractor
22.	Overall rules for the wildlife protection	Task implementation area	<p>Reduction of accidental animal death</p> <p>The depth of excavations should be limited to the minimum necessary and the duration of excavation works should be as short as possible.</p> <p>See also pos. 10 of Annex 1 to the EMP regarding the requirements for securing excavations and for the capturing of animals trapped in excavations.</p>	Contractor
23.	Overall rules for the wildlife protection	Task implementation area	<p>Taking cognizance of the conditions arising from the presence of protected areas</p> <p>During the construction works execution, the Contractor is obliged to comply with standards, prohibitions and indications and to respect the restrictions arising from the existence of areas and structures created under the Act for Environmental Protection.</p>	Contractor
05 - Rules for land reclamation and handling topsoil				

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

24.	Rules of dealing with topsoil	Task implementation area	<p>Removal and protection of topsoil before commencing works</p> <p>Before undertaking basic leveling and earth works, the top soil layer (on average to a depth of 30 cm) shall be removed and stored in the vicinity of the work implementation areas, in separate heaps protected against contamination, vehicle movement as well as against drying and freezing.</p> <p>Location of the topsoil heaps should be agreed with experts of the Contractor's environmental supervision team referred to in pos. 77 of Annex 1 to the EMP and presented to the Engineer for approval. The team of Contractor's environmental experts will determine and agree with the Engineer the necessary scope of measures to be taken in order to protect topsoil against drying and freezing, e.g. seeding with papilionaceous plants.</p>	Contractor
25.	Rules of dealing with topsoil	Task implementation area	<p>Principles of restoring the topsoil layer</p> <p>After completion of earthworks, the removed topsoil should be used to shape the slopes and the crests of the embankments to be sodded. Topsoil should be spread and leveled at a width of 5-10 m of the slopes and crests of the embankments, along the embankments on one or on both sides.</p> <p>In places where construction facilities, yards and technological roads were located, cultivating operations should be carried out: disking, harrowing and fertilizing, as well as sowing grass mixtures compatible with the meadow habitats closest to the given reclamation site.</p> <p>The composition of the grass mix should be agreed in advance with the phytosociologist expert of the Contractor's environmental supervision team and submitted in advance to the Engineer for approval.</p>	Contractor
26.	Rules for land reclamation	Task implementation area	<p>Land reclamation after the completion of works</p> <p>After the works are completed, the area should be cleared and, at locations indicated by the phytosociologist expert, the Contractor's environmental supervision team shall perform procedures supporting the restoration of green areas, including sowing and planting using native species compatible with the habitat conditions.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>In places where sowing and planting works are carried out, proper care (including care swaths) of the restored areas shall be provided until the end of the Defect Notification Period.</p> <p>The implementation of the works specified in this item of the EMP can begin only upon approval of the detailed Quality Assurance Plan concerning these works by the Engineer.</p>	
06 - Requirements for felling and protection of trees and shrubs				
27.	Overall rules for the wildlife protection	Task implementation area	<p>Conditions and permitted dates for felling trees and shrubs</p> <p>Felling should be limited to the trees and shrubs colliding with the Task implementation.</p> <p>Felling of trees and shrubs necessary for removal should be carried out from September 1 to the end of February, preferably between November and January.</p>	Contractor
28.	Overall rules for the wildlife protection	Task implementation area	<p>Inspecting trees for the presence of protected species of beetles and bats</p> <p>In the case of felling trees with dbh (diameter of the trunk at a height of 1.3 m) of above 50 cm, a check for the presence of protected beetle species, such as: the great capricorn beetle <i>Cerambyx cerdo</i>, the hermit beetle <i>Osmoderma eremita</i> should be performed right before felling, i.e. not earlier than 7 days before, with the participation of an expert entomologist of the Contractor's environmental supervision team, and with the participation of an expert chiropterologist a check for the presence of bats shall be performed.</p>	Contractor
29.	Overall rules for the wildlife protection	Task implementation area	<p>Conditions substantiating the felling of trees populated by valuable beetle species</p> <p>If the presence of beetles (larval or adult forms) is confirmed, the permission to remove the subject tree may only be substantiated by technical or technological reasons.</p> <p>Before felling the trees inhabited by protected beetle species, the Contractor will obtain the necessary administrative decision issued under the Act for Environmental</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>Protection, permitting derogations from the prohibitions applicable to protected species.</p> <p>Next, the Contractor will carry out the felling and all other activities imposed by an administrative decision issued on the basis of the Act for Environmental Protection.</p>	
30.	Overall rules for the wildlife protection	Task implementation area	<p><i>Rules of conduct for felling trees inhabited by bat species</i></p> <p>If bats are found in the trees to be removed, the felling should be temporarily suspended and the recommendations of the chiropterologist expert of the Contractor's environmental supervision team, relevant to the current atmospheric conditions and to the identified bat species, shall be followed.</p>	Contractor
31.	Overall rules for the wildlife and landscape protection	Task implementation area	<p><i>Protection of trees not intended for felling</i></p> <p>Within the entire Task implementation area, trees and shrubs that are likely to be damaged during the works execution should be protected against accidental destruction using the following methods:</p> <ul style="list-style-type: none"> • trunk covers shall be made (e.g. from boards) around the entire trunk, up to the height of min. 1.5 m; • covers shall be made around shrubs (e.g. from boards) to a height of min. 1.0 m; • excavations shall be made at a distance of not less than 2 m from the tree trunks; • building materials, solid or liquid waste able to change the soil chemistry (e.g. salts, oils, fuels) or earth masses must not be stored within the projection of the tree crowns; • earthworks shall be performed manually within coarse roots, trimming of coarse roots is unacceptable; • in hot weather, the time of root exposure to desiccation should be as short as possible, while in frosts the time of exposure to freezing should be limited to a maximum, and protection against desiccation and freezing shall be applied in accordance with the instructions of an expert dendrologist of the Contractor's environmental supervision team; 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<ul style="list-style-type: none"> excavations carried out within the root clumps of trees and shrubs are to be performed manually and, if necessary, drilling or ramming shall be applied. 	
32.	Overall rules for the wildlife protection	Task implementation area	<p><i>Taking appropriate measures in the event of damage to trees</i></p> <p>In the event of a damage to a tree, care measures limiting the damage effects should be taken immediately under the supervision of an expert phytosociologist of the Contractor's environmental supervision team.</p>	Contractor
<i>07 - requirements for waste management</i>				
33.	Development of a Waste Management Plan	Task implementation area	<p><i>Development of a Waste Management Plan</i></p> <p>Within 42 days of the commencement of the works, the Contractor shall develop a Waste management plan related to the implementation of the Contract and submit it to the Engineer for approval. The plan shall specify the manner of managing waste</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			generated during the works, taking into account the guidelines for waste management included in Annex 1 of the EMP, pos. 34, 38.	
34.	Development of an earth masses management plan with a dredging works plan	Task implementation area	<p><i>Earth masses management plan with a dredging works plan</i></p> <p>The Contractor will develop an earth masses management plan with a dredging works plan as described in section 6.15 of the EMP.</p> <p>The method of managing the spoil from dredging works should be determined in accordance with separate regulations in the field of waste management, in accordance with the results of laboratory tests determining the degree of spoil contamination (see pos. 37).</p> <p>The earth masses management plan with a dredging works plan is subject to the Engineer's approval before the commencement of works described in it.</p>	Contractor
35.	Water and soil protection	Task implementation area	<p><i>Waste management principles</i></p> <p>Waste generated during the implementation of the Task should be managed in accordance with the following principles:</p> <ol style="list-style-type: none"> a) collect and store waste only in designated areas, the location of which the Contractor will agree in advance with the Engineer, b) segregate and store waste in airtight containers or in dedicated locations adapted for this purpose, in conditions limiting dusting and dispersion of light matter fractions and preventing their negative impact on the environment, c) ensure successive waste collection by entities authorized to its further management or neutralization. d) Waste management should be carried out in accordance with current regulations governing waste management and with the Waste Management Plan referred to in pos. 33 of Annex 1 to the EMP. 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

36.	Water and soil protection	Task implementation area	<p>Storage of hazardous waste</p> <p>Hazardous waste should be segregated and stored in designated containers set on a paved surface, in an area protected against unauthorized access until the containers are transferred to entities holding appropriate permits for neutralization of hazardous waste. In particular, liquid waste in the amount of over 220 liters requires a secondary protection against spilling, e.g. a drip tray, with a capacity of at least 110% of the largest container and 25% of the total volume of liquid waste. Regular collection of this type of waste should be ensured by entities authorized for its further management or neutralization.</p>	Contractor
37.	Rules for testing and treatment of sediments from watercourse beds	Channel beds within the Task implementation area	<p>Determining the quality of sediments in watercourse beds</p> <p>Prior to the commencement of works at locations of planned sediment removal and works in watercourse beds, the Contractor shall carry out control tests and determine the quality of the sediments, in accordance with applicable regulations (in accordance with the Waste Act and relevant executive acts to it).</p> <p>The aims of the tests are:</p> <ul style="list-style-type: none"> ● determining the possibilities of managing the soil and sediments within the construction site, in accordance with the applicable regulations, and ● determining the acceptable ways of dealing with the soil and sediments that cannot be managed within the construction site. <p>The tests should be carried out in accordance with the currently applicable provisions, including the Waste Act, Environmental Protection Law and executive acts to the abovementioned Acts.</p> <p>Tests should be carried out by an accredited laboratory, approved by the Engineer. Before starting the tests, the Contractor shall submit the methodology of the planned tests to the Engineer for approval .</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

38.	Rules for testing and treatment of sediments from watercourse beds	Task implementation area	<p>Management of earth masses from the construction site</p> <p>Earth masses, including sediments from watercourse beds, should first be managed at the construction site. The remaining excess soil should be used in accordance with the applicable regulations and the design documentation. The manner of dealing with soils constituting waste should be presented in the Waste Management Plan developed by the Contractor and submitted for approval to the Engineer (in accordance with pos. 33 of Annex 1 to the EMP).</p>	Contractor
39.	Water and soil protection	Task implementation area	<p>Prevention of illegal dumps</p> <p>Prior to the commencement of the works, the Contractor shall inspect the Task implementation area in terms of the presence of illegal dumps. During the Task implementation, the Contractor secures the Task implementation area against such dumps.</p>	Contractor
40.	Water and soil protection	Task implementation area	<p>Management of domestic wastewater</p> <p>If it is not possible to discharge the domestic wastewater into the existing sanitary sewage network, it should be collected in leaktight, drainless tanks and their regular collection by authorized entities shall be ensured.</p>	Contractor
41.	Water and soil protection	Task implementation area	<p>Ensuring adequate hygiene conditions within work implementation areas</p> <p>It is necessary to equip all construction sites with a required number of portable toilets and provide training to all the employees with regard to maintaining appropriate hygienic conditions within the area of the site and its direct surroundings. The Contractor's workers should meet their physiological needs in dedicated places.</p>	Contractor

08 - Requirements for preventing the spread and for the eradication of invasive plant species				
42.	Protection of natural resources	Task implementation area	<p><i>The need to eradicate sites of invasive plant species</i></p> <p>In places where invasive plant species sites were found in the Task implementation area (see pos. 16 of Annex 1 to the EMP) all specimens of plants belonging to alien invasive species should be removed. The Contractor implements the indicated measure until the end of the Task implementation period.</p>	Contractor
43.	Protection of natural resources	Task implementation area	<p><i>Prevention of the spread and eradication of invasive plant species</i></p> <p>Elimination of sites of invasive plant species, referred to in pos. 42 of Annex 1 to the EMP - depending on the species - should be carried out with the participation and in accordance with the detailed guidelines specified by the phytosociologist expert of the Contractor's environmental supervision team, while adhering to the following guidelines:</p> <ul style="list-style-type: none"> a) eradication of invasive plant species is carried out by digging them out or pulling (along with the root clump) or/and chemical spraying, b) during topsoil removal in the temporary occupation areas, the removed topsoil with invasive plants - separated from other earth masses - shall be forwarded to entities possessing appropriate permits for waste management. 	Contractor
09 - Rules for conducting works in watercourse beds				
44.	General principles for the conservation of wildlife resources	Channel beds within the Task implementation area	<p><i>Protection of ichthyofauna - requirements for carrying out desilting / dredging works</i></p> <p>In order to protect the ichthyofauna against an increased concentration of suspension in the Odra waters, works should be carried out in accordance with the following principles:</p> <ul style="list-style-type: none"> • if suspension concentrations higher than 200 mg/l are noted (at the monitoring point located approx. 200m below the mouth of Channel No. 1 where it debouches to the Odra river), the intensity of the works should be limited (2-hour 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>breaks, every 2 hours shall be introduced), and if concentrations > 400 mg/l of suspension are noted, works should be immediately discontinued, for a period of at least 24 hours,</p> <ul style="list-style-type: none"> • resumption of works after each break caused by exceeding the concentration limits must be preceded by re-measurement of the suspension concentration at the monitoring location, • resumption of works may take place only under conditions of suspension concentration below 200 mg/l at the monitoring point. <p>The method of conducting monitoring shall be in accordance with pos. 99 of Annex 2 to the EMP.</p>	
45.	Protection of natural resources	Area of Task implementation within the flood control Channel No. 1	<p><i>Protection of the natural habitat 3150 (Oxbow lakes and natural eutrophic lakes with Nymphaeion and Potamion communities) and of the identified breeding sites of birds within Channel 1</i></p> <p>In order to protect the natural habitat and the identified breeding sites of birds (Moorhen Gallinula chloropus and water rail Rallus aquaticus), it is necessary to leave a shallowing (a natural sandbar) of an oxbow lake in the channel No. 1 with a width of 10 to 40 m, along with reed and aquatic vegetation occurring on the section from km 0 +700 to km 0 +950.</p> <p>Measures shall be carried out with the participation of an expert phytosociologist of the Contractor's environmental supervision team.</p>	Contractor
46.	Overall rules for the wildlife protection	Channel beds within the Task implementation area	<p><i>Inspection of sediments extracted from watercourses</i></p> <p>When carrying out works related to desilting and extraction of sediments and rubble from watercourses, the following principles of work should be followed:</p> <ol style="list-style-type: none"> immediately after removal of the bottom material from the watercourse and again within an hour after desilting, the places of material storage should be inspected, the spoil storage sites shall be agreed with the Contractor's environmental supervision team and submitted to be agreed with the Engineer in advance, the inspection referred to in sec. a is carried out by an expert ichthyologist of the Contractor's environmental supervision team, 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<ul style="list-style-type: none"> d) the frequency of inspections may be higher than specified above and should be adapted to the type and amount of bottom sediments extracted as well as to the weather conditions prevailing during the work execution (e.g. high temperature), e) if necessary, the frequency of inspections shall be increased in accordance with the recommendations of the ichthyologist expert of the Contractor's environmental supervision team, f) all animals found in the excavated bottom sediments (in particular fish and mussels), larval stages of invertebrates (in particular dragonflies) should be picked and released into the water, g) the collected specimens should be moved and released back to the watercourse in locations ensuring their safety (e.g. on sections where works in the channel bed are completed or where no desludging works are carried out). 	
47.	Overall rules for the wildlife protection	Channel beds within the Task implementation area	<p><i>Ichthyofauna catches</i></p> <p>The Contractor is obliged to carry out catches of fish by electrofishing in the areas of planned works in watercourses. The fish caught should be released outside the area of influence of ongoing works.</p> <p>The catches will be carried out in accordance with the PN-EN14011 standard, with an approved power generator under the supervision of an expert ichthyologist. The person in charge of the fishing group shall hold a certificate of qualifications for operating electrofishing equipment.</p> <p>Before commencing the measure implementation, a Detailed Quality Assurance Plan regarding the abovementioned works shall be submitted to the Engineer for approval.</p> <p>The measure will be carried out with the participation of the Contractor's environmental supervision team ((expert ichthyologist)), who shall obtain the permits required for its implementation.</p>	Contractor
48.	Overall rules for the wildlife protection	Task implementation area	<p><i>Protection of ichthyofauna - evaluation of the effectiveness of measures</i></p> <p>During the works, the environmental supervision team of the Contractor (expert ichthyologist) as part of ongoing environmental supervision will assess the</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			effectiveness of measures mitigating the impact of ongoing works on ichthyofauna, in particular during periods of increased vulnerability of fish, i.e. spawning and breeding that falls in the period of March - mid-July and during migration of salmonids, which falls in the October-December period. The abovementioned opinions shall be submitted to the Engineer as part of the Contractor's monthly reports.	
10 - Requirements for preventing environmental pollution				
49.	Surface water protection / General principles for the conservation of wildlife resources	Task implementation area	<p>Limiting the impact of earthworks and earth mass management on surface waters</p> <p>The Contractor will minimize the impact of the conducted earthworks as well as of transport and storage of earth masses on the state of surface waters by applying solutions limiting soil erosion and flowing of surface runoffs heavily polluted with suspended matter into the surface waters, such as: i.a. selecting location for the storage of earth masses away from the water; stabilizing slope surfaces of the stored earth piles; minimizing surface areas from which surface runoffs flowing into watercourses may occur; harvesting and pre-treatment of contaminated rainwater.</p> <p>The method of measure implementation shall be included by the Contractor in the Earth masses management plan with the dredging works plan.</p>	Contractor
50.	Air quality protection	Task implementation area	<p>Limiting dusting from means of transport</p> <p>The necessary technical and organizational measures should be taken to keep access roads clean and to reduce dust emissions during transport of building materials, including through an appropriate application of the following measures:</p> <ul style="list-style-type: none"> a) • cleaning vehicle wheels before entering the public roads, b) • sprinkling the surfaces of internal technological roads. c) the use of cars adapted for the transport of loose materials, protected by tarpaulins or the transport of packaged loose materials, d) other measures to prevent contaminating the roads by sand and mud from vehicles, e) during construction works executed in the period of low rainfall, the surfaces of internal technological roads should be sprayed. 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

51.	Air quality protection	Task implementation area	<p>Limiting dusting during works execution</p> <p>Loose materials and aggregates intended for use during construction phase should be protected against being blown away and against excessive dusting from their surfaces during both storage and usage for construction purposes.</p>	Contractor
52.	Air quality protection	Task implementation area	<p>Reduction of exhaust emissions from machinery and vehicles</p> <p>The operation time of combustion engines of machines and vehicles at idle and the speed of movement of vehicles in the construction area should be minimized, and the principle of switching off machinery and equipment during breaks in work shall be observed.</p>	Contractor
53.	Soil, ground, surface water and air protection	Task implementation area	<p>Technical condition of the equipment used during construction works</p> <p>Equipment used during construction works must be fully functional and meet the requirements for approval for use: the type and technical condition of the equipment used during construction must ensure protection of soil, surface water and groundwater against pollution, ensure protection against dust and gas emissions to air and ensure protection against noise emissions.</p>	Contractor
54.	Protection of soils, ground and surface water	Task implementation area	<p>Prevention and measures related to the penetration of pollutants into the soil and water environment</p> <p>All works should be carried out in a way that reduces the risk of any contaminants, especially petroleum derivatives, getting into the soil and water environment.</p> <p>In the event of a potential spillage of petroleum-derivative substances, actions must be taken to limit the spread of pollution and to remove it immediately.</p> <p>In the event of possible contamination of soil layers, they must be removed immediately (with the help of a specialized company) and managed in accordance with the applicable regulations. Such locations must be restored to their original condition.</p> <p>In connection with the risk of possible leakage of petroleum derivatives, the Contractor shall develop a document called spillage procedure (in the form of a Quality Assurance</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			Plan) to be approved by the Engineer. In the event of the abovementioned leakage, the Contractor shall follow the procedures described in the above document.	
55.	Water and soil protection	Task implementation area	<p>Equipping the construction site facilities in rainwater pretreatment devices</p> <p>The construction site facilities (also serving as places for maintenance of vehicles, machines and devices, where they are garaged, refueled, serviced, etc.) should be equipped with rainwater pretreatment devices (to protect surface waters and soils against the release of petroleum derivatives into them).</p>	Contractor
56.	Protection against noise emissions	Task implementation area	<p>Limiting the period of work implementation to the daytime</p> <p>Works should be carried out during the daytime, i.e. between 6.00 and 22.00.</p>	Contractor
57.	Protection against noise emissions	Task implementation area	<p>Protection of nearby residents against noise emissions</p> <p>The Contractor shall apply technical solutions ensuring proper acoustic conditions in the vicinity of existing buildings, and if necessary (including on the Engineer's instructions) it shall use portable acoustic screens.</p>	Contractor
11 - Requirements for protection of cultural monuments				
58.	Protection of monuments	Task implementation area	<p>Archaeological supervision in the Task implementation area</p> <p>Throughout the entire period of earthworks execution, the Contractor shall ensure the participation of a team of expert archaeologists (Contractor's archaeological supervision). This team is responsible for implementing and/or coordinating the following activities:</p> <ul style="list-style-type: none"> a) developing an appropriate archaeological research action plan in the form of a <i>Quality Assurance Plan</i> b) conducting a preemptive rescue research within the disclosed archaeological sites, c) an ongoing supervision over ongoing works, 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			d) appropriate protection of valuable objects and other elements of the historic substance and, if necessary, transporting them from the area of works to the designated place or institution.	
59.	Protection of monuments	Task implementation area	<p><i>Rules of conduct in case of discovering moveable heritage objects or archaeological sites</i></p> <p>If the Contractor finds an object of an alleged historical value during construction works or earthworks, it is obliged to:</p> <ul style="list-style-type: none"> a) stop all works that may damage or destroy the discovered objects and secure, using available means, this object and the site of its discovery, b) immediately notify the Provincial Conservator of Monuments about this fact, and if this is not possible, notify a territorially competent head of commune or mayor and the Engineer, c) follow the guidelines of the Contractor's team of expert archaeologists, d) enable and ensure the conduct of documenting activities, archaeological research and other necessary activities indicated by the Contractor's team of archaeological experts and/or administrative authorities responsible for securing such objects and other historic substance, e) in the case of immoveable monuments, after completion of measures referred to in sec d. the guidelines and other measures specified by the team of archaeologists /or administrative authorities responsible for securing heritage objects and other historic substance should be followed. 	Contractor
60.	Arrangements for the protection of cultural heritage and monuments resulting from the decisions of the Provincial Conservator of Monuments	The area of Task implementation within: embankment I (km 0 +000 - 1 +279), embankment II (km 0 +000 - 1 +387.6), securing the right bank of Channel 1 (km 0 +072 - 1 +257).	<p><i>Performing archeological research</i></p> <p>The Contractor shall carry out archaeological research in accordance with the guidelines of the Provincial Conservator of Monuments (WKZ) specified in the decision establishing the scope and type of archaeological research included in Annex 4e to the EMP. In order to implement the measures, the Contractor will also obtain, on the basis of the power of attorney granted by the Employer, the permit of the Voivodeship Conservator of Historic Monuments (VCHM) for conducting archeological research.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

61.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p>Obtaining the permit of the Voivodeship Conservator of Historic Monuments</p> <p>In order to implement the provisions of the EMP related to the Protection of cultural heritage and monuments (pos. 58, 59 of Annex 1 to the EMP), if such a need arises, the Contractor shall also obtain, on the basis of a power of attorney granted by the Employer, the permission of the Provincial Conservator of Monuments (WKZ) for conducting rescue archaeological excavations and shall carry them out.</p>	Contractor
62.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p>Works near buildings under conservator's protection</p> <p>The Task implementation related works carried out near the buildings under conservator's protection - Bohaterów Wojska Polskiego 1/1a (plot no. 235/2) and Bohaterów Wojska Polskiego 6 (plot no. 231/1), should be performed with extreme caution so as not to damage the historic substance of the abovementioned objects.</p> <p>See also pos. 71 of Annex 1 to the EMP.</p>	Contractor
12 - Requirements for protection of human health and safety				
63.	Protection of human health and safety	Task implementation area	<p>Informing nearby residents</p> <p>Prior to the commencement of construction works, the Contractor shall inform residents in the vicinity of the Task implementation area about the planned works by announcing it in a local press and organizing an information meeting.</p>	Contractor
64.	Protection of human health and safety	Task implementation area	<p>Appropriate storage of building materials</p> <p>Materials used for construction works should be stored in a way that protects them from damage and in a way that does not endanger the safety of the environment, people and property.</p>	Contractor
65.	Protection of human health and safety	Task implementation area	<p>Ensuring safety conditions during works</p> <p>The operation of machinery, equipment and other devices must be carried out in a way that does not endanger the safety of the environment, people and property, in a</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			manner excluding the possibility of overturning, sliding off or rolling off of equipment and machinery.	
66.	Protection of human health and safety	Task implementation area	<p><i>Ensuring human health and safety, including fire protection</i></p> <p>The Contractor shall develop a Health and Safety (BIOZ) plan, obtain its approval by the Engineer, and then carry out works in accordance with the provisions of the BIOZ plan.</p> <p>Requirements for fire protection included in the Health and Safety Plan should also include a ban on bonfires and burning flammable materials within the Task implementation area.</p> <p>The BIOZ plan will include information on how to solve problems related to the epidemiological threat.</p>	Contractor
67.	Protection of human health and safety	Task implementation area	<p><i>Preparation of documents related to the safety of people, property and the environment in the area of Task implementation</i></p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>a) Due to the risk of flooding, the Contractor shall develop and submit for approval by the Engineer a document entitled: <i>Construction Site Flood Protection Plan</i>, which will take into account local hydrological and meteorological conditions within the construction site. If flooding occurs, the Contractor shall proceed in accordance with the procedures described in the abovementioned document.</p> <p>b) The Contractor shall develop and submit for approval by the Engineer a document entitled: <i>Construction Site Organization Design</i>, which will include such elements as: location of the construction site facilities, development of the construction site facilities, protection of the construction site facilities, technological roads, environmental protection in the site facilities area,</p> <p>c) The Contractor shall develop and submit for approval by the Engineer a document entitled: <i>Quality Assurance Plan</i> that will include such elements as: organization of execution of works, organization of traffic on the construction site together with marking of works, OHS and environmental protection, list of working teams, scope of duties of the key personnel, quality control, laboratory tests,</p> <p>d) The ES Management Strategy and Implementation Plans (management strategy and implementation plans for environmental, social, health and safety risks) and the ES Code of Conduct - the Contractor is obliged to submit to the Engineer for approval and then implement the Contractor's Environmental and Social Management Plan (C-ESMP), in accordance with the Particular Conditions of the Contract, Sub-Clause 4.1, which consists i.a. of the agreed Management Strategies and ES Implementation Plans as well as the Code of Conduct for the Contractor's Personnel (ES).</p>	
68.	Protection of human health and safety	Task implementation area	<p><i>Designation and appropriate marking of danger zones</i></p> <p>Within the Task implementation area, the Contractor is obliged to designate hazardous areas that pose a threat to human health and life, and mark these areas with warning boards and additionally secure them against unauthorized access.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

69.	Protection of human health and safety	Task implementation area	<p>Requirement to properly secure and mark the work implementation area</p> <p>The Contractor shall secure and provide marking in the construction site. The Contractor is obliged to secure and mark the construction site. Contractor's Experts on Health and safety will be responsible for ensuring the proper marking of the construction site in accordance with the applicable law. This marking will be regularly inspected, in the event of destruction or theft of marking, the Contractor shall immediately restore or complete it.</p>	Contractor
70.	Protection of human health and safety	Task implementation area	<p>Ensuring proper visibility conditions</p> <p>If it is necessary to carry out work after dark and in conditions of limited visibility, the Contractor shall provide lighting sources enabling obtaining light intensity appropriate for the working conditions.</p> <p>The Contractor shall ensure permanent visibility of security elements and marking of the construction site during the day and at night - of barriers and signs for which it is indispensable for safety reasons.</p>	Contractor
71.	Protection of human health and safety	Area of Task implementation and its surroundings	<p>Documenting and monitoring the technical condition of buildings exposed to vibrations</p> <p>Before commencing the works during which vibrations may threaten the nearby residents as well as nearby buildings and infrastructure (including historic buildings referred to in pos. 62 of Annex 1 to the EMP), the Contractor will carry out an inventory of existing buildings and facilities, with particular regard to cracks and damage and will apply devices, technologies and methods ensuring reduction of vibrations..</p>	Contractor
72.	Protection of human health and safety	Task implementation area	<p>Principles of preventing HIV-AIDS type diseases and other infectious diseases including e.g. COVID 19</p> <p>The Contractor, through an approved service provider, will conduct training and implement an awareness raising program on the spread of HIV-AIDS and take all other measures to reduce the risk of HIV transmission between and among the Contractor's staff and the local community.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			These activities should be carried out in accordance with the conditions specified in the Contract Bidding Documents (General Conditions, Sub-clause 6.7). The trainings will cover other infectious diseases (e.g. COVID 19).	
73.	Protection of human health and safety	Task implementation area	<p>Sapper supervision in the Task implementation area</p> <p>In order to minimize the risk related to the possibility of presence of dangerous military ordnance in the Task implementation area, the Contractor shall ensure:</p> <ul style="list-style-type: none"> a) prior to the commencement of the works - carrying out an inspection of the Task implementation areas in terms of the presence of unexploded ordnance (a report with the results of the above-mentioned sapper recognition should be submitted to the Engineer), b) during earthworks - sapper's supervision over the works (conducted by the Contractor's sapper supervision team), consisting in an ongoing checking and clearing of the Task implementation area from hazardous objects of military origin along with their utilization; c) in the case of finding dangerous items of military origin in the Task implementation area - implementing the procedures described in pos. 74 of Annex 1 to the EMP. 	Contractor
74.	Protection of human health and safety	Task implementation area	<p>Rules for dealing with unexploded ordnance</p> <p>If an unexploded bomb or unexploded shell is found the Contractor shall:</p> <ul style="list-style-type: none"> a) stop work immediately b) evacuate people and equipment from the area around the find and secure it against unauthorized access, c) immediately notify the sapper supervision and the Police, and then follow their instructions, d) notify the Engineer and the Employer, e) under no circumstances may unexploded ordnance or unexploded shells be lifted, dug up, buried, moved or thrown into fire or water etc. Implementation of the EMP 	Contractor

13 - Requirements for the Contractor's personnel involved in the implementation of the EMP				
75.	Implementation of the EMP	Task implementation area	<p>Ensuring a team of expert archaeologists</p> <p>Throughout the entire duration of the Task, the Contractor shall ensure the participation of a team of expert archaeologists. These experts will be involved in the implementation of selected mitigation measures specified in the EMP (in particular those described in pos. 58 - 62 of Annex 1 to the EMP). Members of the team of expert archaeologists must hold appropriate industry licenses. The composition of the team of expert archaeologists is subject to the Engineer's approval.</p> <p>Prior to the commencement of works, the Contractor shall submit for approval to the Engineer a <i>Quality Assurance Plan</i> for the activities of the team of expert archaeologists.</p>	Contractor
76.	Implementation of the EMP	Task implementation area	<p>Ensuring an explosive ordnance disposal - sapper supervision team</p> <p>Throughout the Task implementation period, the Contractor shall ensure the participation of the sapper supervision team. This team will be involved in the implementation of selected mitigation measures specified in the EMP (in particular those described in pos. 73, 74 of Annex 1 to the EMP). Experts from the sapper supervision team must hold appropriate industry licenses. The composition of the explosive ordnance disposal supervision team is subject to the Engineer's approval.</p> <p>Prior to the commencement of works, the Contractor shall submit for approval to the Engineer a <i>Quality Assurance Plan</i> for the activities of the sapper supervision team.</p>	Contractor
77.	Implementation of the EMP	Task implementation area	<p>Contractor's environmental supervision during the works implementation</p> <p>Works should be carried out under the supervision of the Contractor's environmental supervision team:</p> <ul style="list-style-type: none"> a) the Contractor's environmental supervision team includes the following experts: phytosociologist, dendrologist, ichthyologist, herpetologist, entomologist, chiropterologist, ornithologist and teriologist; b) the composition of the Contractor's environmental supervision team requires the approval of the Engineer, the condition of its acceptance is the 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>demonstration of appropriate knowledge and experience of the given expert: supervision will be carried out by experts holding higher education degrees in biology, forestry, environmental protection and having supervision work experience in the field of ornithology / botany / herpetology etc. under at least two investments;</p> <p>c) the Contractor's environmental supervision team, throughout the entire period of the Task implementation, controls the proper implementation of measures to minimize the negative impact of the Task on the environment;</p> <p>d) the Contractor's environmental supervision team draws up reports on environmental supervision and implementation of administrative decisions in the field of nature and environmental protection (if required), submitted to the environmental protection authorities. The Contractor submits a report 21 days ahead of the deadline for submitting the report to the environmental protection authority to the Engineer.</p>	
78.	Implementation and reporting the execution of the EMP	Task implementation area	<p><i>Appointment of an EMP Coordinator, a Health and Safety Expert and a Social Expert in the Contractor's team</i></p> <p>1) A person coordinating and supervising activities related to the implementation of the EMP will be appointed in the team of the Contractor. This person's duties shall include:</p> <p>a) supervision over the implementation of individual conditions of the EMP in subsequent stages of the Task implementation;</p> <p>b) ongoing monitoring of the implementation status of individual conditions of Annexes 1 and 2 of the EMP in the area of Task implementation;</p> <p>c) informing the management of the Contractor's team on an ongoing basis about the obligations arising from the EMP at a given stage of works, as well as about problems in the implementation of the EMP;</p> <p>d) cooperation with the remaining part of the Contractor's team (including the Contractor's environmental supervision team, the team of expert archaeologists, the Contractor's sapper supervision team, OHS supervision experts, especially the Health and Safety Expert) in ensuring proper implementation of the EMP;</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>e) cooperation with the Contractor's Social expert in implementing the ES policies</p> <p>f) reporting on the implementation of the EMP;</p> <p>g) cooperation with persons responsible for the implementation of the EMP in the Engineer's and Employer's teams.</p> <p>2) A Health and Safety Expert will be appointed in the Contractor's team as a person coordinating and supervising activities related to the implementation of the EMP in the field of health and safety.</p> <p>3) A Social Expert will be appointed in the Contractor's team as a person coordinating and supervising activities related to the implementation of the EMP in the field of ES policies.</p> <p>The persons designated to exercise the abovementioned functions require Engineer's approval.</p>	
79.	Implementation and reporting the execution of the EMP	Task implementation area	<p><i>Training of the Contractor's personnel on the implementation of the EMP</i></p> <p>The Contractor is responsible for providing training during the work implementation (completed with a test verifying the knowledge of participants) concerning the EMP rules and conditions as well as protective indications for the Contractor's managing personnel and for the engineering–technical staff supervising the works. The test must be prepared with the help of the Contractor's environmental supervision team. The Contractor's employees who will handle fuels and other oil derivative substances should receive training within the protection of soil and water environment and applicable protective measures, including the use of sorbents.</p> <p>In the monthly reports submitted to the Engineer, the Contractor shall provide information on the state of training of the Contractor's personnel in terms of the EMP conditions in the current reporting period.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

80.	Periodic consultations regarding the implementation of mitigation and monitoring measures	Contractor's office / Engineer's office / Investor's office	<p>Discussing the implementation of the EMP during working meetings and during Site Meetings</p> <p>During the implementation of tasks arising from the EMP, monthly meetings of the PIU's, Engineer's and Contractor's teams will be held to discuss and control the implementation of mitigation and monitoring measures.</p> <p>Notwithstanding the above, current requirements and problems related to the implementation of the EMP shall be discussed during Site Meetings.</p>	PIU, Engineer and Contractor
81.	Implementation and reporting the execution of the EMP	Task implementation area	<p>Monthly progress reports on the EMP implementation</p> <p>During the Task implementation period, the Contractor will submit monthly reports on the implementation of the conditions specified in the EMP to the Engineer (in the form of a checklist with the necessary attachments, including reports on the implementation of environmental supervision). Template of the above report (checklist) requires approval by the Engineer.</p> <p>Depending on the circumstances, the Engineer may request the Contractor to submit additional reports, including reports on emerging crisis situations, on the implementation of particular EMP items etc.</p>	Contractor
14 - Requirements resulting from a permit required by the Water Law Act (see Annex 4c to the EMP)				
82.	Water law permit	Task implementation area	<p>Implementation period</p> <p>The works will be carried out during low water levels - at the time of the lowest flood risk.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

83.	Water law permit	Task implementation area	<p>Flood protection</p> <p>The Contractor shall, on its own, protect the construction site in the event of a flood risk.</p> <p>See also pos. 67a of Annex 1 to the EMP.</p>	Contractor
84.	Water law permit	Task implementation area	<p>Removal of damage caused by the performed works</p> <p>The Contractor shall repair any damages that occur during the execution of works.</p>	Contractor
85.	Water law permit	Task implementation area	<p>Clearing the temporarily occupied areas</p> <p>The Contractor shall clear the area temporarily occupied for the purposes of Task implementation within 14 days after the completion of the works.</p>	Contractor
15 - Particular requirements of the ES World Bank policies				
86.	ES policies	Task implementation area	<p>Contractor's responsibility for compliance with the ES policies</p> <p>The Contractor will ensure the implementation of all requirements and conditions of the ES policy as well as the plans and code of conduct referred to in pos. 67d of Annex 1 to the EMP.</p> <p>The condition applies to the Contractor and its personnel and respectively to the Subcontractors and their personnel, regardless of the legal form of cooperation.</p>	Contractor
87.	ES policies	Task implementation area	<p>ES Code of conduct</p> <p>The Contractor shall take all necessary measures to ensure that the Contractor's personnel is informed about the ES Code of Conduct, submitted with the bid and described in sec. 6.15 of the EMP text, including information on specific behaviors that</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>are prohibited. The Contractor shall ensure that the personnel understands the consequences of engaging in such prohibited activities.</p> <p>The Contractor shall also ensure that the ES Code of Conduct is visibly presented at locations where the Contractor's personnel is present.</p> <p>The condition applies to the Contractor and its personnel and respectively to the Subcontractors and their personnel, regardless of the legal form of cooperation.</p>	
88.	ES policies	Task implementation area	<p><i>Prevention of sexual harassment and mobbing</i></p> <p>The Contractor is obliged to ensure such conditions during the implementation of the Contract which prevent mobbing and sexual harassment in relation to its personnel and Subcontractors, as well as other persons (both - involved in the implementation of the Contract and to third parties).</p>	Contractor
89.	ES policies	Task implementation area	<p><i>Raising awareness in the area of preventing sexual harassment and mobbing</i></p> <p>The Contractor, through an approved service provider with appropriate qualifications, shall conduct trainings and implement an awareness raising program in the field of counteracting sexual harassment and mobbing. These measures will be carried out throughout the entire duration of the Contract, including the Defect Notification Period - at least every other month. They will take the form of information, education and awareness raising campaigns.</p>	Contractor
90.	ES policies	Task implementation area	<p><i>Reporting sexual harassment and mobbing cases</i></p> <p>It is the Contractor's responsibility to immediately inform the Consultant of all cases reported and suspected regarding sexual harassment and mobbing.</p> <p>All cases of reported and suspected sexual harassment and mobbing should be entered in the register of complaints and motions kept by the Contractor.</p> <p>In the event of mobbing or sexual harassment, it is the Contractor's responsibility to take action to terminate such behaviors immediately, and to draw all legal consequences to the perpetrators. The Contractor is also required to provide all necessary assistance and support to the victims of such behaviors.</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

91.	ES policies	Task implementation area	<p><i>Ensuring the possibility of submitting complaints and motions by employees engaged in the Task implementation</i></p> <p>The Contractor shall inform all persons employed at the construction site about the possibility of submitting complaints about work and remuneration conditions, and provide an information leaflet containing the necessary information about reporting complaints and motions, in which it will ensure that the person reporting the problem shall face no repercussions.</p> <p>The Contractor shall keep a register of complaints and motions.</p> <p>The content of the leaflet and the format of the register shall be agreed with the Engineer.</p>	Contractor
92.	ES policies	Task implementation area	<p><i>Ensuring accident-free working conditions</i></p> <p>The Contractor shall ensure in the area of the Task implementation and outside the Task implementation area (during activities related to the Task implementation, e.g. during transport) such conditions as to prevent accidents involving persons associated with the implementation of the Contract, including the personnel of the Contractor, Engineer, Investor, Subcontractors et al. and third parties.</p> <p>In the event of such accidents the Contractor shall:</p> <ul style="list-style-type: none"> • immediately ensure proper treatment of the victim; • secure the scene; • inform the Engineer as soon as possible of the event and the Contractor's reaction to it; • notify the relevant services and enable them to reach the scene of the incident. 	Contractor
93.	ES policies	Task implementation area	<p><i>Conditions of employing juvenile employees</i></p> <p>The Contractor may only employ such a juvenile employee who is at least 15 years old, has completed at least eight years of elementary school and has presented a medical certificate stating that the work of a given type does not endanger their health. The Contractor will ensure that juveniles (persons under the age of 18) will not perform</p>	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			forbidden works in accordance with the regulations in force (see section 6.16 of the EMP).	
94.	ES policies	Task implementation area	<p>Contractor's OHS supervision</p> <p>Throughout the entire duration of the Task, the Contractor shall ensure the participation of a team of OHS experts. The scope of duties, qualifications and composition of the Contractor's OHS expert team shall be in accordance with the Polish labor law. The OHS experts engaged in an ongoing supervision, implementation and control of compliance with the provisions and principles relating to the occupational health and safety. Members of the OHS expert team must hold appropriate industry licenses. The composition of the OHS expert team requires Engineer's approval.</p> <p>Prior to the commencement of works, the Contractor shall submit for approval to the Engineer a Quality Assurance Plan for the activities of the team of OHS experts.</p> <p>Prior to the commencement of work, the Contractor's OHS supervision will conduct a dedicated training for the Contractor's personnel in the field of occupational safety and accident risk during the implementation of the Task.</p>	Contractor
95.	ES policies	Task implementation area	<p>The Contractor is obliged to apply and comply with all labor law provisions in force in Poland, in particular all provisions of the Labor Code and shall comply with the ES Code of Conduct. In particular, the following issues should be reflected in the Contractor's employment policy and remuneration regulations:</p> <ul style="list-style-type: none"> • ensuring an equal pay for the employees performing the same work regardless of their gender, sexual orientation or age; • ensuring that persons employed under the Contract shall not be harassed or discriminated against their gender, sexual orientation or age; • ensuring that the Contractor in accordance with the possibilities and conditions as well as the provisions of the Polish Labor Code, will meet the living and social needs of its employees in the workplace; 	Contractor

			<ul style="list-style-type: none"> ensuring that the Contractor helps its employees improve their professional qualifications. 	
16 - GUIDELINES ON HOW TO ACT DURING THE STATE OF EPIDEMIC OR EPIDEMIC EMERGENCY DURING WORKS IMPLEMENTATION				
96.	Protection of human health and safety	Task implementation area	<p>In the event of state of epidemic or state of epidemic emergency during the execution of the works, the Contractor shall be obliged to:</p> <ul style="list-style-type: none"> a) provide the persons present on the Construction Site with all the necessary precautionary measures to maintain the health and safety of physical workers, the Contractor's Personnel, to the extent described in the Contract Conditions, in particular regarding the introduction of appropriate measures to avoid or minimize the spread of diseases, including measures to avoid or minimize the transmission of infectious diseases that may be associated with the inflow of temporary or permanent workforce related to the implementation of the Contract, in the manner specified in the applicable Law, e.g. in Regulations issued on the basis of art.46a of the Act of 5 December 2008 on preventing and combating infections and infectious diseases in humans (i.e. Journal of Laws of 2019, item 1239, as amended) on establishing specific restrictions, orders and bans in connection with the occurrence of the state of the epidemic, b) designate a person responsible under the Contract for matters related to health and safety at the time of epidemic or epidemic emergency, c) implement the relevant recommendations of the World Bank and health authorities in the Republic of Poland, d) cooperate with the Employer and the Engineer, in particular to provide current information on precautionary measures taken or planned, including in the field of securing the Construction Site properly against unauthorized 	Contractor

The Environmental Management Plan for Contract 1B.8 - Flood protection of Krosno Odrzańskie

			<p>access, procedures introduced and appropriate update of documents described in section 6.15, in particular of the Health and Safety (BIOZ) Plan, Waste Management Plan, Construction Site Organization Design, ES Management Strategies and Implementation Plans,</p> <ul style="list-style-type: none"> e) organize an information campaign (e.g. in the form of posters and instructions placed on the Construction Site) regarding the symptoms and signs of infection, the spread of the virus, methods of protection (including e.g. regular hand washing) f) organize trainings for physical workers, Contractor's Personnel at least in the scope of: <ul style="list-style-type: none"> i. updated procedures and documents, ii. symptoms and signs of COVID-19 (or another infectious disease associated with the introduced epidemic / epidemic emergency state), including self-monitoring of symptoms, virus spread, available protection equipment, iii. procedures to be followed in case of noticing symptoms of the disease in oneself and others, iv. applicable regulations regarding the quarantine of employees and their families, remuneration for the period of illness, isolation or quarantine, provision of health care, including sanitary transport performed in connection with preventing infection, v. applicable procedures for reporting violations or filing complaints by employees, vi. waste management - e.g. masks, gloves, disinfectant liquids and cleaning agents. <p>During the state of epidemic emergency or state of epidemic, to the extent permitted by law, trainings should be conducted via electronic means of communication or in the form of self-education.</p> <p>The above rules should be applied in an appropriate manner in the event of a state of epidemic or state of epidemic emergency announced in the Republic of Poland in connection with another contagious disease.</p>	
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