

Appendix 1 – Mitigation measures actions plan

This Appendix to the Environmental Management Plan for the Contract for the works 2B.12/2 Flood protection of **Bystrzyca Dusznicka** River Valley and Kamienny Potok River (Passive protection) presents measures to mitigate negative environmental impacts as guidelines for the Contractor under the *aforementioned Contract*. The costs and the schedule for the implementation of these measures should be included in the total Bid Price. The Contractor shall cover all costs related to implementation of the EMP, and the Accepted Contract Amount shall include these costs.

The mitigation measures plan will be implemented where necessary taking into account the World Bank's Policy as expressed in the Operational Manual of the Odra-Vistula Flood Management, the World Bank's Operational Policy OP.4.12 and the Land Acquisition Plan and in cooperation with the Plan implementation team. The condition related to the discussion of the implementation of the EMP during working meetings and on Construction Site Meetings (item 103) also applies to the Engineer and PIU.

Explanation of the table in Appendix 1 to the EMP:

- unless otherwise specified in a given case, the *Task Execution Area* means the area of performing any preparatory works, essential works (including Permanent and Temporary Works) and any works related to the removal of defects and faults or the performance of unfinished works listed in the Certificate of Acquisition or revealed during the Defects notification period, together with the areas of necessary temporary activities,
- unless specified in a given case, the *Task Execution Period* means the period of performing any preparatory work, essential work (including Permanent and Temporary Work) and any work related to the removal of defects and faults or the performance of unfinished work specified in the Take-over Certificate or disclosed in the Defects notification period,
- unless otherwise specified in a given case, the requirements for the Contractor described in the EMP refer to the whole Task Area,
- the activities described in the *General Requirements* section apply to all Facilities included in Contract 2B.2/2,
- the actions described in the *Specific Requirements* section include a list of Facility-specific actions.

Construction area / site means places where Permanent Works are to be carried out, including storage and working places where Equipment and Materials are to be supplied, as well as other places indicated in the Contract as being part of the Construction Site. The terms "construction site" and "construction area" are interchangeable terms and are understood in the Terms and Conditions of the Contract as "Construction Site".

The term Facility refers to individual cities and works within them, i.e. in the case of Contract 2B.2/2: Duszniki-Zdrój, Szczytna and Polanica-Zdrój

The conditions described in the Appendix 1 to EMP are grouped into in following subject categories:

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No	Issue	Location	Mitigation measures	Responsible party
GENERAL REQUIREMENTS				
01 - LOCATION AND LIMITATION REQUIREMENTS FOR TEMPORARY OCCUPATION AREAS AND THEIR ORGANISATION				
1.	Protection of the land surface and landscape	Task implementation area	<p>Restriction of land occupancy and land transformations</p> <p>In order to limit the occupation and transformation of the land surface during the Task, the following Principles should be applied:</p> <ul style="list-style-type: none"> a) the occupation of the land and the transformation of the land surface during all types of work carried out in connection with the Task should be limited to the necessary minimum, b) in the areas adjacent to the area of the Task implementation (permanent and temporary occupations) occupy the areas excluded within the existing communication systems, c) the area of temporary activities such as: areas for the location of technological and access roads to the construction site, construction facilities, technological sites and sites for storing construction materials should be limited to the necessary minimum, d) Construction site facilities, technological yards and technological roads should be laid with concrete slabs on the ballast, e) detailed location of construction facilities, roads and technological sites should be determined taking into account the contents of the Land Acquisition Plan, f) the location of the sites referred to in the clause c. shall be agreed in advance with the Contractor's team of environmental experts. The agreement should be submitted to the Engineer for approval before the work is carried out. 	Contractor
2.	Protection of the land surface and landscape	Task implementation area	<p>Principles of locating construction facilities and roads and technological sites</p> <p>Construction sites, roads and technology squares must be located:</p> <ul style="list-style-type: none"> a) outside areas covered with tall greenery (trees, shrubs) to be left in the construction project, b) outside the boundaries of the identified natural habitats and habitats and sites of protected species to be left in the construction project, 	Contractor

			<p>c) the location of construction facilities should be agreed in advance with the Contractor's team of environmental experts. The agreement should be submitted to the Engineer for approval before the work is carried out.</p> <p>[conditions a, b of sub-clause 2.2.20 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>conditions a, b of sub-clause 2.2.20 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>conditions a, b of sub-clause 2.2.19 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
3.	Protection of the land surface and landscape	Task implementation area	<p>Location of the temporary occupation sites in relation to the trees and the riverbed</p> <p>Technological roads and yards, parking and parking places for machinery and equipment and the storage of earth masses (including top soil) and building materials shall be located at a distance of not less than 2 m from the perimeter of the crown projection of trees and shrubs not intended for felling in order to protect areas under tree and shrub crowns and at a distance of not less than 50 m from wetlands.</p> <p>[condition of the sub-clause 2.2.25 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.24 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.24 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
4.	Protection of the land surface and landscape	Task implementation area	<p>Designation of vehicle service areas</p> <p>Places designated for the servicing of vehicles, machines and equipment (including garage, refuelling, maintenance, etc.) should be designated <u>only</u> on the site of the construction site and technological sites properly adapted for this purpose.</p>	Contractor

02 - BUY-OUTS AND COMPENSATION REQUIREMENTS				
5.	Acquisition of properties	Task implementation area	<p>Rules relating to temporary occupations</p> <p>Temporary occupations will be implemented in accordance with the contents of the Land Acquisition Plan for Task 2B.2/2 ¹ and the Operational Policy of the World Bank OP. 4.12. The LAP contains a detailed list of activities and procedures related to land acquisition for the implementation of the Task. Activities related to the acquisition of land for the purposes of investment implementation are also carried out in accordance with the procedures set out in the LARPF (Land Acquisition and Resettlement Policy Framework²).</p>	Employer, Contractor
6.	Acquisition of properties	Task implementation area	<p>A mechanism for submitting complains and applications</p> <p>Remarks and reservations to the Land Acquisition Plan, as well as any reservations concerning the Plan implementation are, pursuant to the Polish law, classified as Grievance Rehearsal Mechanism. This mechanism also covers the submission and management of any complaints that may be made in the course of the implementation of a project by persons and entities affected by any of its impacts. This issue is discussed in detail in the POM for the OVFM Project³.</p>	Employer
03 - REQUIREMENTS CONCERNING THE SCHEDULE FOR THE IMPLEMENTATION OF WORKS AND THE IMPLEMENTATION OF THE emp				
7.	Schedule of works	Task implementation area	<p>Terms and conditions of the EMP concerning deadlines for carrying out works</p> <p>When establishing work schedules and at the stage of their execution, the EMP conditions concerning the dates and times of conducting various types of works should be taken into account, including:</p> <ul style="list-style-type: none"> a) optimal timing of works in river channels (see item 51); b) permissible period of work in river channels (see items 52, 122); c) period of water temperature measurements during the work (see item 53); 	Engineer Team and Contractor

¹ link to LAP (under development)

² http://odrapcu2019.odrapcu.pl/doc/OVFMP/Ramowy_dokument_dotyczacy_Przesiedlen_i_Pozyskiwania_Nieruchomosci.pdf

³ <http://odrapcu2019.odrapcu.pl/>

			<ul style="list-style-type: none"> d) period of suspension concentration measurements during the works (see item 54); e) period of work in case of exceeding the permissible levels of suspended solids (see item 55); f) permissible hours of work in the vicinity of acoustically protected areas (see item 32); g) permissible felling dates for trees and shrubs (see item 17); h) deadlines for environmental monitoring checks before felling (see item 18); i) agreeing on dates for carrying out reclamation works (see item 16); j) agreeing on planting dates for native tree and shrub species (see item 16); k) intervals for conducting electrofishing of fish and lampreys (see item 64); l) deadlines for reporting on the implementation of the PAP (see items 98, 99). 	
8.	Schedule of works	Task implementation area with access roads and their surroundings	<p>Conditions of the EMP concerning activities to be carried out before or at the initial stage of works</p> <p>When establishing the schedules of works and at the stage of their implementation, account should be taken of the conditions of the EMP concerning activities to be performed before or at the initial stage of works, including:</p> <ul style="list-style-type: none"> a) conditions concerning the construction and equipment of construction facilities and roads and technological sites (see items 2, 3, 4, 112); b) conditions concerning transport service of the construction site (see items 9, 10); c) conditions concerning quality tests (pollution) of land and river sediments (see items 11, 12); d) a condition for removing and securing the humus layer (see item 14); e) the condition of securing trees and shrubs not planned for felling (see items 22, 23); f) condition for the execution of the nature inventory (see items 114, 115, 116, 133); g) a condition for securing the boundaries of natural habitats (see items 67, 68, 132); h) the condition relating to the replanting of protected plant specimens (see items 116, 124, 134); i) the condition of securing the construction site against the entry of small animals (see item 61); j) conditions concerning preparation of selected documents (see items 60, 82, 91, 93) k) conditions concerning documentation of technical condition of buildings and infrastructure facilities (see items 10, 91); l) the condition concerning the reconnaissance of the site (see item 88); m) the condition for the inventory of illegal waste dumps (see item 44); n) condition for obtaining the opinion of the monument conservator (see item 78); o) condition concerning the Engineer's approval obtained for the coordinator of the implementation of EMP and the composition of the team of environmental experts, the team of archaeologists' experts and the sappers' supervisory team (item 93, 94, 95, 96, 97) p) condition concerning training in the principles of implementation of the EMP (see item 92). 	Engineer Team and Contractor

04- Requirements concerning the communication service of the Task implementation area.				
9.	Earth surface protection	Task implementation area	<p>Designating an access roads to the Construction Site</p> <p>The access roads to the construction site should first of all be determined on the basis of existing roads.</p> <p>[conditions a, b of sub-clause 2.2.20 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>If it is not possible to determine the route of access roads to the construction site based on existing roads, the routes should be agreed in advance with a team of environmental experts and submitted to the Engineer for approval.</p>	Contractor
10.	Protection of the land surface and landscape	Task implementation area	<p>Conditions of using access roads to the area of Task implementation with their surroundings</p> <p>The following conditions apply to the use of access roads to the Task area:</p> <ul style="list-style-type: none"> a) The Contractor shall draw up traffic organisation projects for the duration of the works, in accordance with the provisions of the Technical Specifications and the requirements of the Road Management Entity concerning transport routes and their conditions of use, b) The Contractor shall be obliged to agree with the Road Administrators on the planned roads to be used, traffic organization and work security projects. The Contractor is obliged to carry out traffic organization according to the agreed designs (marking and securing the work area and marking detours and recommended, related to the change of traffic organization, road marking, etc.), c) prior to commencing the works, the Contractor shall submit to the Engineer for approval the traffic organization and works protection designs and the Schedule agreed with the Road Administrators and traffic management authority. Depending on the needs and progress of the Works, the traffic organization projects should be updated by the Contractor on an ongoing basis (the updates made require agreement with the Road Managers and the traffic management body), d) in accordance with the applicable law and agreements with the Road Administrators managing roads which will be used by the Contractor routes will be marked. These markings shall be regularly inspected by the Contractor, and in case of destruction or theft, the Contractor shall immediately restore or supplement them, 	Contractor

			<p>e) the hardened surfaces in the area of the construction site facilities obtain the which road traffic transporting construction materials will take place should be kept in a proper technical condition and clean,</p> <p>f) The Contractor shall be responsible for any damage to structures and buildings, roads, drainage ditches, culverts, water and gas pipelines, poles and power lines, cables, geodesic matrix points and installations of any kind, and other objects such as vertical and horizontal : markings, navigational signs, information boards, cultural objects, etc., caused by them or their Subcontractors during the execution of the works. The Contractor is also responsible for restoring the flow capacity of ditches and drainage installations in the area of the works being carried out and the transport routes being used in the event of damage caused by the works and transport related to the works,</p> <p>g) The Contractor is obliged to prepare photographic documentation of the entire Task area and access roads, with particular attention paid to the technical condition of roads and buildings located in the vicinity of building materials transport routes and directly adjacent to the places where the works are carried out,</p> <p>h) before commencing the works, the Contractor will carry out local inspections in the presence of the Road Administrators, which will result in drawing up protocols on the condition of access roads to the Task implementation area. On this basis, the Contractor shall be obliged to reconstruct the technical condition of roads prior to the Task completion period,</p> <p>i) The Contractor shall immediately repair any damage caused at its own expense and, if necessary, carry out other work ordered by the Engineer,</p> <p>The Contractor shall comply with the statutory limits of load per axle when transporting materials and equipment to and from the Task area. They will obtain all necessary permits from the authorities to transport unusual cargo and will continuously notify the Engineer of any such transport.</p>	
05- REQUIREMENTS FOR THE MANAGEMENT OF SOIL MASSES				
11.	Protection of soils and waters	Task implementation area	<p>Management of soils and sediments coming from the construction site</p> <p>Excess soil created in the course of the construction works should first be managed on the construction site.</p> <p>Quantities of soil that cannot be managed within the boundaries of the construction site should be managed in accordance with the applicable regulations and design documentation.</p>	Contractor

			<p>Soils and sediments excavated from the channel during the course of the works and coming exclusively from the locations of the works specified in the design documentation shall be utilized on the construction site first.</p> <p>Quantities of soil and sediments that cannot be managed within the boundaries of the construction site should be managed in accordance with the applicable regulations and design documentation.</p> <p>Soils and sediments to exceed the permitted concentrations of substances (in accordance with applicable waste management and environmental protection legislation) should be treated as waste and transferred to entities holding appropriate permits for their further management (in accordance with the possible stated pollution level).</p> <p>The method of handling soil and sediments should be presented in <i>the Soil Management Plan</i>, prepared by the Contractor and submitted to the Engineer for approval before the commencement of the earth works.</p> <p>The following issues should be included in <i>the Soil Management Plan</i> :</p> <ul style="list-style-type: none"> a) Determination of the scope of works related to the extraction of sediments from the riverbed, b) Determination of the methodology of soil and sediment testing, c) Technology and method of planned extraction of sediments from the riverbed, d) Description of possible ways of disposing of the extracted material and places of its temporary storage, e) Description of the environmental effects potentially related to sediment extraction, f) Determination of the method of dealing with excavated settlements within the Construction Site, taking into account the minimisation of environmental effects, g) Identification of areas which, for environmental reasons (e.g. sites of protected species, natural habitats) cannot be taken up as sites of temporary occupation for the management of excavated sediments and soils, h) Determination of methods of acceptable further development of the excavated soil, in accordance with the classification of land and sediments on the basis of their quality study. <p>The method of handling soil classified as waste should be also presented in <i>the Waste Management Plan</i> prepared by the Contractor and submitted to the Engineer for approval before the commencement of works (in accordance with item 43 of the).</p>	
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12.	Protection of soils and waters	Task implementation area	<p>Test of the quality (state of pollution) of excavated soils and sediments in the Task implementation area</p> <p>The Contractor will carry out control tests and determine the quality of soils and sediments in the channels of the water courses in accordance with the regulations in force (in accordance with the Waste Act of 14 December 2012 and relevant executive acts to the Act), planned for:</p> <ul style="list-style-type: none"> • development within the boundaries of the construction site or • removal outside the boundaries of the construction site. <p>The aim of the research is:</p> <ul style="list-style-type: none"> • establishing the possibility of using soil and sediment within the construction site (if the absence of hazardous substances contamination is confirmed); • establishing acceptable ways of dealing with contaminated soil and sediments. <p>Within the sections of the channel where according to the design documentation the removal of material from the river channel is planned, 4 - 5 samples from the surface 5 cm layer of sediments and the same number of soil samples should be taken from each section of approximately 50 m length. Analyses of the samples will be carried out by a laboratory accredited for this type of tests, approved by the Engineer. Prior to the commencement of the research, the Contractor will present the <i>Soil Management Plan</i> to the Engineer for approval, which will include, among others, the methodology of planned activities.</p>	Contractor
13.	Protection of soils and waters	Task implementation area	<p>Requirements for soil and aggregates from outside the construction site</p> <p>Soil (including earth masses) and aggregates used for construction works and coming from outside the construction site should comply with soil and land quality standards (in accordance with the Environmental Protection Law and its implementing legislation) as well as with any other applicable legislation and standards.</p>	Contractor
06- RULES FOR HANDLING TOP SOIL AND LAND RECLAMATION FOR TEMPORARY OCCUPATIONS				
14.	Protection of the land surface and landscape	Task implementation area	<p>Protection of the fertile soil layer (top soil)</p> <p>Before starting essential levelling and earthworks from places where the existing layer of top soil (fertile soil) could degrade, it is necessary:</p> <p>a) to collect top soil and then store it in piles,</p>	Contractor

			<ul style="list-style-type: none"> b) piles should be piles in a safe manner (the inclination of the slope of the pile should ensure the stability of the pile and safe conditions for work), c) top soil storage sites should be agreed in advance with the Contractor's environmental team experts and submitted to the Engineer for approval, d) top soil piles should be stored in heaps that are protected from damage, disruption, contamination and the possibility of run-off into rivers and streams. 	
15.	Protection of the land surface and landscape	Task implementation area	<p>Protection and use of top soil from sites of protected plant species</p> <p>Top soil piles from protected plant species or natural habitat areas should be properly labelled and then used to restore the fertile soil layer in the areas of original occurrence of protected plant species and natural habitats or their immediate vicinity.</p> <p>Within the scope of the above mentioned activities, the Contractor shall develop a <i>Detailed Quality Assurance Plan</i>, in which it shall specify, among others, the places where top soil from protected plant species or natural habitat areas is collected and stored, as well as planned areas for its reuse.</p>	Contractor
16.	Protection of the land surface and landscape	Task implementation area	<p>Restoration of the fertile soil layer (top soil) and land reclamation</p> <p>After the construction work is completed, the following must be done:</p> <ul style="list-style-type: none"> a) use top soil to reconstruct the fertile soil layer in the places specified in the project documentation and in the places of temporary activities, b) perform procedures supporting the restoration of green areas (including sowing with native grass mixtures and planting of native tree and shrub species). <p>The activities described above should be carried out under the supervision of experts in botany and dendrology, including, but not limited to:</p> <ul style="list-style-type: none"> a) agreeing on precise deadlines for work; b) agreeing on the detailed location of sites for the reuse of top soil from protected plant species or natural habitat areas, c) agreeing on the species composition and quantitative proportions of seed mixtures planned for sowing; d) agreeing on the species composition and quantitative proportions of tree and shrub species to be planted; e) agreeing on conditions for soil preparation and seedlings; f) agreeing on the principles of care of reconstructed green areas; 	Contractor

			g) to submit the results of the above mentioned arrangements for the approval of the Engineer; h) supervision over the performance of treatments supporting the restoration of green areas and supervision over the care of these areas (until the end of the Defects Notification Period).	
07- REQUIREMENTS FOR FELLING, PROTECTION OF TREES AND SHRUBS				
17.	Protection of greenery and landscape	Task implementation area	<p>Periods and rules for trees or shrubs felling</p> <p>Felling of trees and shrubs in the period from 1 March to 31 August shall be carried out under the supervision of an ornithologist, who will inspect the trees and shrubs for the presence of birds before it is carried out, and if their presence is confirmed, will indicate the permissible date of felling. In the remaining period (from 1 September to the end of February), the aforementioned supervision is not required.</p> <p>[condition of the sub-clause 2.2.22 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.21 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of sub-clause 2.2.21 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
18.	Protection of greenery and landscape	Task implementation area	<p>Inspections by environmental experts before felling trees and shrubs</p> <p>The felling of trees with a breast height of more than 40 cm should only be carried out if the ornithologist, entomologist and chiropterologist have first checked whether they are habitats for protected animal species - birds, saprophytic beetles, bats. The inspection shall be carried out no more than 7 days before the scheduled felling date.</p> <p>If the presence of protected animal species is found, the date and conditions of felling should be agreed with the above experts. The felling should be carried out under the supervision of the above-mentioned experts.</p> <p>[condition of the sub-clause 2.2.23 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p>	Contractor

			<p>the condition of sub-clause 2.2.22 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.22 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
19.	Protection of greenery and landscape	Task implementation area	<p>Area of the permitted felling of trees and shrubs</p> <p>The scope of felling should include only trees and shrubs growing in the areas that directly interfere with the project. Do not fell trees and shrubs which do not threaten the construction of control walls and occur outside the boundaries of facilities planned for construction and renovation and outside the areas necessary for the work (e.g. necessary technological roads, exits from the bank slopes to the work sites).</p> <p>[condition of the sub-clause 2.2.24 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.23 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.23 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
20.	Protection of greenery and landscape	Task implementation area	<p>Limitations in trees and shrubs felling</p> <p>In zone "A" of the spa protection, felling of forest and park trees is forbidden with the exception of tending cuttings, and in zone "B" of the spa protection, felling of forest and park trees is forbidden with the exception of tending cuttings and felling specified in the forest management plan.</p> <p>[condition of the sub-clause 2.2.21 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.20 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
21.	Protection of greenery and landscape	Task implementation area	<p>Rules for working with the roots of trees and shrubs</p>	Contractor

			<p>Work on the root ball of trees and shrubs should be carried out exclusively by hand under the following conditions: do not cut off the skeletal roots, do not excavate closer than 1.5- 2 m from the trunk, reduce the period of root exposure to dryness as much as possible.</p> <p>[condition of the sub-clause 2.2.26 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.25 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.25 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
22.	Protection of greenery and landscape	Task implementation area	<p><i>Preventive trimming of boughs and branches exposed to damage</i></p> <p>Boughs and branches not intended for felling - those boughs and branches not intended for felling - which are exposed to damage in connection with the work should be cut off prophylactically, or trimmed under supervision and in accordance with the recommendations of the expert-dendrologist, but where possible, those boughs which form shaded zones in the riverbed should be left.</p> <p>[condition of the sub-clause 2.2.29 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.28 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.28 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
23.	Protection of greenery and landscape	Task implementation area	<p><i>Protection of vulnerable trees</i></p> <p>Before the start of construction work, the trunks of trees exposed to mechanical damage should be stripped away at a height of 2- 3 m from the ground level (the lower part of the boards is to rest on the ground). Place a flexible material (e.g. thick straw mats) between the formwork and the tree trunk surface to protect the trunk from abrasion by the formwork. The boarding must be fixed to the trunk (e.g. with wire ties or steel bands) in such a way that the tree is not injured. During the period of execution of the works, the condition of the protections should be systematically inspected and any damage should be repaired. If valuable species of bryophytes and/or</p>	Contractor

			<p>lichens are present on the trunk, the trees shall be secured in such a way that individuals of protected species are not endangered, under the supervision of an appropriate wildlife expert.</p> <p>[condition of the sub-clause 2.2.28 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.27 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.27 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
24.	Protection of greenery and landscape	Task implementation area	<p>Maintenance measures in case of damage to trees and shrubs</p> <p>In the event of damage to aboveground parts of trees and shrubs during the works, appropriate care measures must be taken immediately under the supervision of a dendrologist.</p> <p>[condition of the sub-clause 2.2.30 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.29 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.29 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
25.	Protection of greenery and landscape	Task implementation area	<p>Current supervision of the dendrologist's expert over the conduct of works</p> <p>During the course of the work, ongoing supervision by an expert dendrologist should be ensured, who will determine the detailed handling and protection of trees not intended for felling, whose root system may be damaged as a result of the work.</p> <p>[condition of the sub-clause 2.2.27 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.26 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor

			the condition of the clause 2.2.26 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]	
08 - REQUIREMENTS FOR PREVENTING POLLUTION AND EMISSIONS INTO THE ENVIRONMENT				
26.	Protection of soil and water environment	Task implementation area	<p>Prevention and action related to the release of pollutants into the soil and water environment</p> <p>Implement the work in a way that limits the risk of any pollutants, especially oil-derived ones, entering the soil and water environment.</p> <p>In case of possible spillage of petroleum substances, the following rules of conduct must be observed:</p> <ul style="list-style-type: none"> a) remove spills immediately, and remove contaminated soil layers immediately and manage them in accordance with the applicable regulations; b) restore the sites affected by oil spills. 	Contractor
27.	Protection of soils and waters	Task implementation area	<p>Reducing the spread of petroleum-based pollutants</p> <p>In the case of emissions of petroleum-based pollutants into water, immediate action must be taken to prevent the spread of the pollutants and to remove the pollutants from the water surface without delay.</p> <p>[condition of the sub-clause 2.2.2 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.2 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>[condition of the sub-clause 2.2.2 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
28.	Protection of soils and waters	Task implementation area	<p>Rules for parking construction and transport equipment</p> <p>After completion of the work, the parking places for machines and vehicles must be secured against the ingress of dirt into the soil and water (in the event of leakage, breakdown of vehicles and machines), including appropriate sorbent stands</p>	Contractor

			<p>[condition of the sub-clause 2.2.1 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.1 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.1 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
29.	Protection of soils and waters	Task implementation area	<p>Measures to neutralise spills</p> <p>On the construction site (especially at places where vehicles, machines, refuelling and maintenance facilities are operated, etc.), the Contractor will provide means to neutralise possible leaks and waste (e.g. hydrophobic sorbents, biopreparations, hydrophobic sorption mats in sheets or rolls, sorption pillows and sleeves).</p> <p>Adequate quantities of these agents (e.g. sorbents), suitable for use on solid surfaces and water surfaces, must be provided.</p>	Contractor
30.	Protection of soils and waters	Task implementation area	<p>Having a spill barrier on the water</p> <p>In the area of performance, an adequate number of water-based spill barriers should be provided for use in the case of uncontrolled leakages of petroleum substances.</p>	Contractor
31.	Air protection	Task implementation area	<p>Reducing emissions of pollutants into the air</p> <p>Limitation of dusting from the construction site and roads to be implemented by:</p> <ul style="list-style-type: none"> a) systematic cleaning of the construction site, b) spraying of dusty road surfaces, c) the use of sealed tarpaulins on cars transporting materials that may cause dust during transport. <p>[conditions a, b, c, sub-clause 2.2.8 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p>	Contractor

			<p>conditions a, b, c, sub-clauses 2.2.8 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>conditions a, b, c, sub-clauses 2.2.7 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>d) cleaning of vehicle wheels before entering public roads, e) cleaning of internal surfaces of technological roads, f) other measures to prevent the contamination of local roads with sand and mud from vehicles, g) sprinkling the surfaces of internal technological roads.</p>	
32.	Protection against noise	Task implementation area	<p>Reducing emissions in the vicinity of acoustically protected areas</p> <p>Works carried out in the vicinity of acoustically protected areas should only be carried out between 6.00 and 20.00, any exceptions to this rule must be based solely on the technological specificity of the type of works and must be related to ensuring the proper quality of the works.</p> <p>[condition of the sub-clause 2.2.9 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.9 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.8 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
33.	Protection against noise	Task implementation area	<p>Noise reduction through appropriate technologies and work organisation</p> <p>Use the least noise-inducing technologies to carry out construction work, maintain good organisation of work, correct operation of the equipment and keep it in good technical condition.</p>	Contractor
34.	Protection against noise	Task implementation area	<p>Protecting local residents from noise</p>	Contractor

			<p>The contractor will apply technical solutions ensuring appropriate acoustic conditions in the vicinity of the existing buildings, and if necessary (including at the Engineer's request) will use portable acoustic screens. Before installing the screens, the Contractor shall inform the residents about the planned works causing increased noise emission.</p> <p>The Contractor shall conduct noise measurements prior to the installation of noise barriers and shall also conduct them after the installation.</p> <p>The Contractor shall inform in advance the owners and/or users of the facilities about the planned works related to high noise emissions. In addition, it is envisaged that appropriate information boards will be installed at places and times when works posing a risk of high noise emissions will be carried out.</p> <p>Prior to the commencement of the implementation of this condition of the EMP, a <i>Detailed Quality Assurance Plan</i> concerning the above mentioned works should be submitted for approval of the Engineer.</p>	
35.	Soil, surface water and air protection/noise protection	Task implementation area	<p>Ensuring the use of fully operational equipment</p> <p>Equipment used for construction work must meet the following conditions:</p> <ul style="list-style-type: none"> a) be fully operational and meet the requirements for its use; b) the type and technical condition of the equipment used during construction must ensure protection of the soil, surface water and groundwater against pollution and protection against excessive noise emission to the environment; c) the technical condition of working construction and transport machinery should be checked to prevent leakage of petroleum hydrocarbons into the ground and into the water. 	Contractor
36.	Protection of soils and surface waters	Task implementation area	<p>Ongoing inspection and repair of equipment</p> <p>The necessary repairs and maintenance of the machines in operation must be carried out as required to prevent leaks in the hydraulic and fuel systems.</p>	Contractor
37.	Soil, surface water and air protection / noise protection	Task implementation area	<p>Use of sanitary air protection equipment</p> <p>The construction equipment and machinery used must meet the following conditions for protecting the sanitary condition of the air:</p> <ul style="list-style-type: none"> a) construction machinery should have modern drive units with limited exhaust emissions; b) the level of pollutants emitted by vehicles must not exceed the European standards contained in Directive 98/69/EC (& 2002/80/EC) - EURO IV and Directive 2007/715/EC[13] - EURO V; 	Contractor

			c) the type and technical condition of the equipment used during construction must ensure protection against exceeding the limit values for dust and gas emissions into the air.	
38.	Protection of soils and surface waters	Task implementation area	Appropriate storage of materials and equipment Store materials and equipment in designated areas, adequately protected from soil and water pollution.	Contractor
39.	Protection of soils and surface waters	Task implementation area	Environmentally safe storage of materials and raw materials The materials and substances to be used during the implementation phase should be stored in separate places, in an environmentally safe manner, in particular the Contractor shall ensure that the following conditions are met: a) store materials and raw materials as far away from the riverbed as possible, b) store materials and raw materials in appropriate containers, c) apply appropriate and appropriate protection of bulk materials to be used during the construction phase against discharge and excessive dusting, d) in justified cases, roof the surfaces on which building materials will be stored, for which there is a risk of substance leaching and their possible infiltration into the ground.	Contractor
09- REQUIREMENTS CONCERNING HANDLING WASTE				
40.	Protection of the land surface and landscape	Task implementation area	Preventing dusting and dispersal of light fractions Waste generated in the course of the works should be segregated and stored selectively in airtight containers or in separate and adapted places, in conditions preventing dusting and dispersal of light fractions and their negative impact on the environment. [condition of the sub-clause 2.2.3 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility the condition of sub-clause 2.2.3 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility	Contractor

			the condition of the clause 2.2.3 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]	
41.	Protection of the land surface and landscape	Task implementation area	<p>Handling of hazardous waste</p> <p>Segregation and storage of hazardous waste shall be carried out in designated leak-proof containers set up on hardened, marked and secured against access by third parties, until they are handed over to entities authorised to further manage the type of waste.</p> <p>[condition of the sub-clause 2.2.4 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.4 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.4 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
42.	Protection of the land surface and landscape	Task implementation area	<p>Treatment of waste containing asbestos</p> <p>The disposal and transport of waste containing asbestos shall be carried out only by licensed operators.</p> <p>[condition of the sub-clause 2.2.5 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.5 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.5 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>If hazardous waste containing asbestos is found, it should be handled in accordance with the regulations contained in the Regulation of the Minister of Economy, Labour and Social Policy of the Republic of Poland dated December</p>	Contractor

			31, 2011. 2 April 2004 on methods and conditions for the safe use and disposal of asbestos-containing articles (Journal of Laws 2004 No. 71, item 649, as amended).	
43.	Development of a Waste Management Plan	Task implementation area	<p>Development of a Waste Management Plan</p> <p>Within 42 days from the date of commencement of the works, the Contractor shall develop and submit to the Engineer for approval a <i>Waste Management Plan</i> related to the performance of the Contract, specifying the manner of waste management, including hazardous waste generated during the performance of the works, taking into account, inter alia, the guidelines for handling waste, contained in Appendix 1 of the EMP and issues such as:</p> <ul style="list-style-type: none"> a) Encountered and predicted types and volumes of waste, b) Type of waste generated (inter alia, waste from construction, renovation and dismantling of buildings and road infrastructure - including soil from contaminated sites, hazardous waste, municipal waste, waste containing asbestos) c) Manners of preventing negative impact of the waste on environment, d) Manners of waste management with taking into account collection, transportation, recover and treatment of waste. 	Contractor
44.	Protection of soils and waters	Task implementation area	<p>Prevention of illegal landfill sites</p> <p>Before the commencement of the works, the Contractor shall make a reconnaissance of the area of the Task implementation, with respect to the presence of illegal waste dumps. During the implementation of the Task, the Contractor secures the area of the Task against the occurrence of such dumps.</p>	Contractor
45.	Protection of soils and waters	Task implementation area	<p>Ensuring adequate hygienic conditions within the work areas</p> <p>The necessary number of portable toilets must be provided in the area of work and all staff must be trained to maintain adequate hygiene conditions. The performance of the training should be documented, including on the basis of the attendance list.</p>	Contractor
10 - REQUIREMENTS RELATED TO THE PREVENTION AND ERADICATION OF INVASIVE PLANT SPECIES				

46.	Protection of living nature and human safety	Task implementation area	<p><i>Disposal of top soil and soil masses originating from sites of invasive plant species</i></p> <p>Top soil originating from places where invasive plant species occur (Sosnowski/Mantegazzi hogweed, invasive knotweed species) should be disposed of outside the working area in a way that does not pose a threat to the expansion of these species in the new location. Top soil contaminated by invasive plant species must not be reused for the reclamation of temporary sites.</p> <p>Before transporting the soil including top soil containing invasive plant species from the Construction Site, the Contractor will present the planned method and place of disposal to the Engineer for approval.</p>	Contractor
47.	Protection of living nature and human safety	Task implementation area	<p><i>Removal of invasive plant species</i></p> <p>In the area where the works are being carried out, the specimens of invasive plant species found should be removed during the works. The work should be carried out under the current supervision of a botanist expert - a phytosociologist, who will indicate the most effective method of controlling individual plant species in a given location.</p> <p>[condition of the sub-clause 2.2.35 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.33 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.34 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>Within the scope of the above mentioned activity, the Contractor will develop a <i>Detailed Quality Assurance Plan</i>, which will be submitted to the Engineer for approval.</p>	Contractor
11 - GENERAL RULES OF CONDUCT OF WORKS IN RIVER CHANNELS				

48.	Protection of the river ecosystem	Task implementation area	<p>Organisation of work within the river channels</p> <p>Construction and regulation works in riverbeds and on bank slopes should be carried out in such a way that the front of the works moves with the river current (excluding bridges, anti-rumming dams, construction of rapids, buttresses, by-pass channels and embankments).</p> <p>[condition of the sub-clause 2.2.7 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.7 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.6 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
49.	Protection of the river ecosystem	Task implementation area	<p>Guidelines on work technology</p> <p>Work is carried out in "from the land" technology. It is allowed to carry out works in the river channel only if it is not possible to carry out works from the bank, in the case of e.g. existing infrastructure, buildings, trees, collisions with sites of protected species and sites of natural habitats and valuable tree specimens.</p> <p>[condition of the sub-clause 2.2.11 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.11 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.10 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>COMMENT!</p> <p>Carry out works in "from the water" technology with the use of a micro-excavator. Separate the active river channel from the work zone with a temporary cofferdam made of natural material (e.g. sandbags made of tear-resistant material). The drained part of the river channel should be lined with fascine mattresses in the</p>	Contractor

			<p>technological lane of machine traffic in order to limit the direct impact on the riverbed (driving, disturbing the bottom structure, starting the erosion process).</p> <p>After the works have been carried out on one bank slope, the work zone will be moved to the opposite slope (applies to cases where in a given section of the river, both bank slopes are involved in the works). This action requires the fish catching procedure to be repeated.</p> <p>In the case of heavy type stone rip-rap work, stones should not be dropped from vehicles directly into the riverbed. First, unload the stone on the river bank and then move the individual blocks of stone using an excavator from the bank to the trough. Works related to forming and laying the stone mark-up are recommended to be carried out from the land (if terrain conditions allow it).</p> <p>After completing the works, restore the bottom to its original state (bottom substrate, manner of water flow).</p>	
50.	Protection of the river ecosystem	Task implementation area	<p><i>Restriction of suspended matter inflow to river waters</i></p> <p>Limit the duration of work within the corridors and the inflow of suspended solids into the waters.</p> <p>[condition of the sub-clause 2.2.12 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.12 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.11 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
51.	Protection of the river ecosystem	Task implementation area	<p><i>Optimal timing of work in river channel</i></p> <p>Work in river channels is recommended in the period from June 1st to September 30th (except for the period of spawning and incubation of trout eggs and spawning of other fish and lampreys).</p> <p>[condition of the sub-clause 2.2.13 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.13 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p>	Contractor

			the condition of the clause 2.2.12 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]	
52.	Protection of the river ecosystem	Task implementation area	<p>Permissible duration of works in river channel</p> <p>It is permitted to carry out works in river channel in the period from 1 June to the end of February after prior consultation with the ichthyologist who supervises nature. If the ichthyologist identifies spawning grounds, egg incubation sites, shelters for larvae or fry of fish and/or lampreys in sections of water courses where ongoing work is planned, comply with the instructions of the ichthyologist.</p> <p>[condition of the sub-clause 2.2.14 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.14 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.13 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
53.	Protection of the river ecosystem	Task implementation area	<p>Measurement of water temperature during work periods</p> <p>If the water temperature of 18° C is exceeded, it is recommended to stop working until it is lowered. Water temperature should be measured in the sections covered by the works (one measurement point per 500 m of river section), at least once every 3 days, and during a period of high air temperatures (over 25°C) - measurements should be taken every day.</p> <p>[condition of the sub-clause 2.2.15 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 2.2.15 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.14 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor

54.	Protection of the river ecosystem	Task implementation area	<p>Measurement of suspended solids concentration during work periods</p> <p>Measure the suspended solids concentration in water on a daily basis.</p> <p>Measurement points should be located 200 m below the site of earthworks in the riverbed or on the bank slopes. Measurements should be taken at least 3 hours after the start of work on the day.</p> <p>[condition of the sub-clause 2.2.16 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.16 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.15 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
55.	Protection of the river ecosystem	Task implementation area	<p>Rules to be followed in the event of an exceedance of the authorised concentration levels of a suspended matter</p> <p>If suspended solids concentrations [at the measuring point specified in Item 54] of more than 40 mg/l are found, work must be stopped. Work can be started again 3 hours after the suspension concentration has fallen below 40 mg/l. If a suspension concentration above 60 mg/l is found, work must be stopped by the end of the day.</p> <p>It can only be restarted after remeasurement and when the concentration of the suspension is less than 40 mg/l. It is recommended to use automated slurry measuring equipment to obtain readings directly during or after the measurement.</p> <p>[condition of the sub-clause 2.2.16 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.16 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.15 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor

			Before proceeding with the above mentioned activity, the Contractor shall submit to the Engineer a Detailed Quality Assurance Plan for the above mentioned works, where the exact method of measurements, types of equipment planned for use, etc. shall be specified.	
56.	Protection of the river ecosystem	Task implementation area	<p>Use of environmentally friendly materials</p> <p>To strengthen the slopes and the bottom of the watercourse as the main building block use only natural materials, i.e. fascine, fascine bundle and stone rip-rap. Other materials should be used only to secure bridges and to make clever elements, and additionally, in the case of the Duszniki Zdrój facility, to make a relief channel and anti-rumming dams.</p> <p>Use stone rip-rap of various sizes to strengthen the bottom.</p> <p>[condition of the sub-clause 3.3.3 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>condition of sub-clause 3.3.3 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 3.3.3. the environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
57.	Protection of the river ecosystem	Task implementation area	<p>Use of environmentally friendly materials</p> <p>For structures which are concrete structures (regulation walls, lying walls), their finish on the visible surface should be made of natural stone</p> <p>[condition 3.3.3 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
12 - REQUIREMENTS RELATED TO THE PROTECTION OF LIVING NATURE				

58.	General principles of conservation of living resources	Task implementation area	<p>Performing one-time nature inventory,</p> <p>Prior to the commencement of the works, a one-time nature inventory should be carried out (made by a team of environmental experts of the Contractor, referred to in item 94) and concerning the areas for temporary occupation and permanent occupation, aiming at:</p> <ul style="list-style-type: none"> a) establishing the current distribution of patches of natural habitats included in the Annex I of the Habitats Directive (Council Directive 92/43/EEC), the sites of protected plant, fungi and animal species, b) designation of the potential occurrence of these species, c) Determining the current location of invasive plant species, d) the results of a single nature inventory shall be provided by the Contractor to the Engineer within 21 days of its completion. 	Contractor
59.	General principles of conservation of living resources	Task implementation area	<p>Ongoing inspections of the nature conservation watch team during the Task implementation period</p> <p>The works and other works performed during the Task implementation period should be carried out under the current supervision of the Contractor's team of environmental experts (referred to in item 94). These experts should, in accordance with the specialty and type of performed works, among others, carry out regular inspections of the whole area of the Task implementation (at least once a month) and regularly submit their comments and recommendations to the Contractor's staff responsible for carrying out the works in accordance with the conditions of the EMP.</p> <p>Written notes should be drawn up from the inspections, attached to the monthly reports on the implementation of the conditions of the EMP (referred to in item 98).</p>	Contractor
60.	Protection of the river ecosystem	Task implementation area	<p>Obtaining decision allowing deviations derogations from the prohibitions in relation to protected species</p> <p>The Contractor (if necessary - adequately to the results of the conducted nature inventory referred to in item 114, 115, 116, 133) shall obtain necessary permits for derogations from prohibitions applicable to protected plant, fungi and animal species issued under the Nature Conservation Act of 16 April). The draft of the application for the issuance of a derogation from the bans applicable to the protected species of plants, fungi and animals shall be submitted by the Contractor in advance of the Engineer's approval.</p> <p>In the case of obtaining the relevant permits, the Contractor shall perform the activities specified in the administrative decisions and prepare the required reports on their implementation, in accordance with their</p>	Contractor

			content. The reports shall be transmitted to the Engineer 30 days before the date of their transmission to the licensing authority.	
61.	General principles of conservation of living resources	Task implementation area	<p>Reduction of accidental animal mortality</p> <p>In order to reduce the incidental mortality of animals within the Task Area the following principles shall be implemented:</p> <ul style="list-style-type: none"> a) the presence of pits with steep edges, into which small animals could fall, should be kept to a minimum during the works. If they arise, they should be checked regularly (at least once every day) for the presence of animals (checks by a herpetologist and mammalogist expert). The trapped animals will be released to places where they will not be at risk, b) Before backfilling the ditches, check for the presence/absence of animals, and accidentally catch them in the ditches and release them to the nearest safe place, c) use protection of wells, excavations, collectors, etc. against the possibility of small mammals, amphibians and reptiles falling into them. In the event of animals entering these facilities, they should be constructed in such a way as to allow the animals to get out on their own, d) in cases where animals trapped in the above mentioned facilities cannot get out by themselves, they must be safely pulled out and moved outside the work area, e) the handling of animals should be carried out under the supervision of a herpetologist or teriologist expert, a team of naturalists of the Contractor, experienced in dealing with such cases. 	Contractor
62.	General principles of conservation of living resources	Task implementation area	<p>Taking into account the conditions arising from the existence of protected areas</p> <p>During the construction works, the Contractor is obliged to comply with the standards, prohibitions and indications and to respect the restrictions resulting from the existence of areas and facilities established on the basis of the Act on Nature Conservation.</p>	Contractor
63.	Protection of the river ecosystem	Task implementation area	<p>Notification of the expert ichthyologist in case of danger to fish</p> <p>In case of observation of dead fish in the river in the area of the works being carried out or showing symptoms of hypoxia (impairment of movement - swimming on the side) it is necessary to stop the works absolutely and immediately inform the expert of ichthyologist about this fact.</p>	Contractor

			<p>[condition of the sub-clause 2.2.17 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.17 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.16 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
64.	Protection of ichthyofauna	Task implementation area	<p><i>Pre-catch of fish and lampreys from working areas</i></p> <p>On the sections intended for the construction of a temporary cofferdam in the river channel, immediately after the separation of the work zone (before the water is pumped out), under the supervision of a ichthyologist, must be built:</p> <ul style="list-style-type: none"> a) catch fish and lampreys (using the three-fold follow-up method at 1 hour intervals), b) during electrofishing, pay special attention to catching larvae of the <i>Lampetra planeri</i> brook lamprey from the silt and detritus nodules and specimens of the <i>Cottus gobio</i> and the <i>Cottus poecilopus</i>, using the hiding places under the stones and in the patches of dense water vegetation, c) also collect the larger invertebrates observed during harvesting, d) the captured organisms are transferred to another part of the channel, outside the upstream region. Transportation should take place as soon as possible (after each of the repeated electrofishing), in suitable aerated water containers or foil sleeves with water and oxygen and at the lowest possible temperature e) the same catch of fish and lampreys should be made immediately before the start of the work on sections where there is provision for the removal of mud and gravel, f) fish and lampreys should be caught (by means of a three-fold follow-up electro-fishing method carried out at intervals of 1 hour) immediately before the start of trough works in the area up to 50 m above and below the planned works consisting in the reconstruction of thresholds, steps and weir into a flash, <p>[conditions of the sub-clause 2.2.18, 2.2.19 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.18, 2.2.19 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p>	Contractor

			<p>conditions of the sub-clause 2.2.18, 2.2.19 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>The action shall be implemented under the supervision of an expert ichthyologist. Before commencing the above mentioned activities, the Contractor shall develop and submit to the Engineer for approval a <i>Detailed Quality Assurance Plan</i> in this respect.</p>	
65.	Protection of ichthyofauna	Task implementation area	<p>Ensuring flow during channel work</p> <p>The technology of work under the cofferdam cover is to ensure the flow of water in the part of the channel.</p> <p>[condition of the sub-clause 2.2.18 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
66.	Protection of ichthyofauna	Task implementation area	<p>Elimination of alien and invasive fish species</p> <p>In the case of finding of alien species (in the course of the conducted trapping) listed in the Regulation of the Minister of the Environment of 9 September 2011 on the <i>list of plants and animals of alien species which, if released into the environment, may threaten native species or natural habitats</i>, (Journal of Laws of 2011, no. 210, item 1260) - e.g. stone moroko <i>Pseudorasbora parva</i> - must not be reintroduced into the river (they should be killed in a humanitarian manner).</p> <p>[conditions of the sub-clause 2.2.18 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.18 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>conditions of the sub-clause 2.2.17 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>The action shall be implemented under the supervision of an expert ichthyologist.</p>	Contractor
67.	Protection of animated nature	Task implementation area	<p>Securing nature habitat patches</p>	Contractor

			<p>Habitat patches adjacent to the work areas but not intended to be removed (in accordance with the design documentation) should be visibly marked and effectively protected against damage under the supervision of a phytosociologist (before the works commence).</p> <p>[condition of the sub-clause 2.2.31 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.30 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.30 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
68.	Protection of animated nature	Task implementation area	<p>Marking of habitat patches 3260</p> <p>Prior to the commencement of work on the watercourse, it is necessary to prevent damage by appropriate marking of the habitat patches of 3260 lowland and sub-mountain rivers with the <i>Ranunculus fluitantis</i> communities or, after obtaining by the Contractor appropriate permission, to transfer the plants constituting this habitat to a section of the watercourse which will not be covered by the works. The work should be performed under the supervision of a botanist - phytosociologist.</p> <p>[condition of the sub-clause 2.2.37 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.34 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.35 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
69.	Protection of animated nature	Task implementation area	<p>Pre-inspection of facilities for birds and bats</p> <p>Immediately before starting work on existing retaining walls, footbridges and bridges, these facilities should be inspected for bird nests and bat shelters. In the case of finding, bird nests and bats' shelters within the planned facilities, work should be carried out according to the recommendations and under the current supervision of an ornithologist and/or chiropterologist.</p>	Contractor

			<p>[condition of the sub-clause 2.2.32 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.31 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.31 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
70.	Protection of animated nature	Task implementation area	<p>Protection of amphibian migration sites</p> <p>Where new amphibian migration sites are identified during the period and in areas of work, such areas should be adequately protected to reduce the mortality of amphibians that may result from the works. Safeguards shall include the installation of herpetological hurdles, regular inspection of amphibian trapping containers to be installed along the hurdles, and the movement of amphibians away from sites to areas with suitable habitat conditions. The work is carried out under the supervision of a herpetologist expert.</p> <p>[condition of the sub-clause 2.2.33 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.32 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 2.2.32 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
71.	Protection of animated nature	Area of Task execution - retaining walls subject to repair and reconstruction, sections of new retaining walls	<p>Furnishing the retaining walls with bird nesting niches</p> <p>In renovated and new retaining walls leave horizontal niches with square-shaped inlet dimensions of 11 x 11 cm and depth up to 25 cm, at a height of approx. 1 - 2 m above the average water level (depending on the wall height), not less than 0.3 m from the upper edge of the wall. Produce not less than 40 such niches over the entire section of work, distributed as evenly as possible. The work is carried out under the supervision of an ornithologist.</p> <p>[condition of the sub-clause 3.3.1 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor

			<p>the condition of sub-clause 3.3.1 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 3.3.1 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
72.	Protection of the river ecosystem	Task implementation area	<p><i>Prohibition of the use of fortifications presenting a risk to animals</i></p> <p>Do not use mesh and stone mattresses or gabion baskets.</p> <p>[condition of the sub-clause 3.3.4 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 3.3.4 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 3.3.4 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
73.	Protection of the river ecosystem	Task implementation area	<p><i>Creation of micro-habitats for fish in the river channel</i></p> <p>Do not remove boulders or stones from the channel. In the regulated, homogeneous parts of the river channel, solutions should be introduced to increase the diversity of habitats, e.g. boulders and large stones with a diameter of 30- 50 cm in groups of 3- 5 pieces, serving as shelters for fish.</p> <p>[condition of the sub-clause 3.3.5 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility</p> <p>the condition of sub-clause 3.3.5 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 3.3.5 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor

74.	Protection of the river ecosystem	Task implementation area	<p>Including solutions to ensure the transport of small debris and the free movement of aquatic organisms</p> <p>The planned anti-rumming dams should be made in openwork form, so that they retain only heavy rock and tree rubble and allow the transport of fine rock and tree rubble outside the periods of floodwater flow and ensure the free migration of aquatic organisms. Designs of anti-rumming dams should be agreed with a botanical expert - phytosociologist and ichthyologist expert at the stage of drafting the project documentation⁴.</p> <p>[condition of the sub-clause 3.3.6 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 3.3.6 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
75.	Protection of the river ecosystem	Task implementation area	<p>Arrangements for felling trees growing in the shoreline with an expert dendrologist and ichthyologist</p> <p>In the case of identified collisions of trees growing in the coastline with the planned work, consult an expert dendrologist and ichthyologist.</p> <p>[condition of the sub-clause 3.3.7 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 3.3.6 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p> <p>the condition of the clause 3.3.7 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
13 - REQUIREMENTS CONCERNING THE PROTECTION OF CULTURAL MONUMENTS				

⁴ the agreement of the expert ichthyologist and botanist-phytosociologist concerning the design of the anti-rumming barrier is included in the design documentation constituting a part of Contract Documents of Contract 2B.2/2.

76.	Protection of archaeological values	Task implementation area	<p>Activities within exposed archaeological sites</p> <p>Throughout the entire period of Task implementation, the Contractor shall ensure the participation of a team of archaeological experts (archaeological supervision).</p> <p>The activities of the team of archaeologists serve the purpose of appropriate protection and removal of valuable objects and other elements of the historical substance from the area of work and allow for the performance of appropriate works.</p> <p>Depending on needs, the team of archaeologists' experts may consist of one or more persons with the appropriate professional qualifications. The composition of the archaeological expert team requires the approval of the Engineer. Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Detailed Plan</i> for the activities of the archaeological expert team.</p>	Contractor
77.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p>Rules of conduct in case of discovery of movable monuments or archaeological sites</p> <p>If the Contractor, in the course of construction or earthworks, has discovered an object which is presumed to be a monument, he is obliged to stop any works which may damage or destroy the discovered objects, secure, using the available means, this object and the place of discovery, immediately notify the Voivodship Monument Conservator, and if this is not possible, the commune head or the mayor of the territory. The Contractor shall simultaneously notify the Engineer in this respect.</p>	Contractor
78.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p>Obtaining permission from the Voivodeship Monument Conservator</p> <p>In order to implement the activities set out in items 76 and 77 related to protection of cultural heritage and monuments, the Contractor, if necessary, will also obtain, on the basis of a power of attorney granted by the Employer, permission from the Voivodeship Monument Conservator (WKZ/VMC) to conduct archaeological rescue research.</p>	Contractor
14 - HUMAN HEALTH AND SAFETY REQUIREMENTS				
79.	Protection of human health and safety	Task implementation area	Appropriate storage of building materials	Contractor

			Materials used for construction work should be stored in a way that protects them from damage and does not endanger the safety of the environment, people and property.	
80.	Protection of human health and safety	Task implementation area	<p>Ensuring safety conditions during the works</p> <p>Machinery, appliances and other equipment must be operated in such a way as not to endanger the safety of the environment for people and property, and to preclude the possibility of the machinery and equipment overturning, sliding or rolling over.</p>	Contractor
81.	Protection of human health and safety	Task implementation area	<p>Ensuring human health and safety, including fire protection</p> <p>The contractor will develop the HASP plan, obtain the approval of its contents by the Engineer, and then carry out the works according to the provisions of the HASP plan.</p> <p>The fire protection requirements included in the HASP should also include a ban on burning fires and burning flammable materials within the Task area.</p>	Contractor
82.	Protection of human health and safety	Task implementation area	<p>Development and update documents related to the security of people, property and environment in the area of Task implementation</p> <ul style="list-style-type: none"> a) Due to the risk of flooding, the Contractor will develop and submit for the Engineer's approval a document entitled: <i>Flood protection plan for the construction site</i>, which will take into account the local hydrological and meteorological conditions around the construction site. In the event of a flood, the Contractor shall follow the procedures described in the above document, b) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A project for the organization of the construction site</i>, which will include such elements as: location of the construction site, development of the construction site, securing the construction site, technological roads, environmental protection at the construction site, c) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A quality assurance plan</i> which will include, among other things, elements such as: organisation of the execution of works, organisation of traffic on the site with marking of works, health and safety and environmental protection, list of working teams, responsibilities of key personnel, quality control, laboratory tests, 	Contractor

			<p>d) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A plan for dealing with uncontrolled emissions (leakage) of petroleum products</i>, which should include, inter alia, elements on how to deal with spillage of chemical and petroleum products,</p> <p>e) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>ES Management Strategies and Implementation Plans (management strategies and implementation plans for environmental, social, health and safety risks)</i>, which includes, among others, elements such as: description of actions taken to manage risks, description of materials, equipment used, description of management processes, etc., which will be carried out by the Contractor and its subcontractors in order to minimize risks,</p> <p>f) The Contractor shall update, as required, the developed at the stage of the Bid ES Code of Conduct for Contractor's Staff (Code of Conduct ensuring implementation of measures to address environmental and social risks related to the implementation of the Task, including the risk of sexual exploitation, sexual abuse and sexual harassment), which includes, among others, the obligations of the Contractor, in particular with respect to environmental protection, social matters, health and safety.</p>	
83.	Protection of human health and safety.	Task implementation area	<p>Rules on notification of crisis situations</p> <p>In case of an emergency situation (other than flooding), accident, major breakdown, etc., the Contractor is obliged to take the following actions:</p> <p>a) immediately notify the relevant services (Fire Brigade, Ambulance, Police, etc.);</p> <p>b) until arrival of the relevant services, carry out the necessary measures to reduce the risk of loss of staff, property and the environment (as far as possible agreed with the relevant services);</p> <p>c) notify the Engineer, the Employer and PCU;</p> <p>d) upon arrival of the relevant services, strictly follow their recommendations and instructions.</p>	Contractor
84.	Protection of human health and safety	Task implementation area	<p>Designation and appropriate marking of danger zones</p> <p>Within the area of Task implementation, with the participation of the Health and Safety expert, the Contractor is obliged to designate hazardous areas that pose a threat to human health and life, and mark these areas with warning signs and additionally protect them against unauthorized access.</p>	Contractor

85.	Protection of human health and safety	Task implementation area	<p>Requirement of proper protection and marking of the work area</p> <p>The Contractor is obliged to secure and mark the construction site. The Health and Safety Contractor's experts shall be responsible for ensuring that the construction site is properly marked in accordance with applicable law. The marking shall be checked regularly, and in case of damage or theft of the marking, the Contractor shall immediately reconstruct or supplement it.</p>	Contractor
86.	Protection of human health and safety	Task implementation area	<p>Ensuring adequate visibility conditions</p> <p>In case of necessity to carry out works after dark and in conditions of limited visibility, the Contractor will provide lighting sources allowing to obtain appropriate light intensity for working conditions.</p> <p>The Contractor shall ensure constant conditions of day and night visibility of safety elements and marking of the construction site - barriers and signs, for which it is indispensable for safety reasons.</p>	Contractor
87.	Protection of human health and safety	Task implementation area	<p>Principles of HIV-AIDS and other infectious diseases, including for example COVID 19 prevention</p> <p>The Contractor, through an approved service provider, will conduct training and implement an HIV-AIDS awareness program and take all other measures to reduce the risk of HIV transmission between and among the Contractor's staff and the local community.</p> <p>These actions should be performed in accordance with the conditions specified in the Contract <i>Bidding Documentation</i> (Part <i>General Conditions</i>, clause 6.7). Training will also cover other infectious diseases (e.g. COVID 19).</p>	Contractor
88.	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 associated with the possibility of hazardous items of military origin occurring in the Task area, the Contractor shall provide:</p> <ul style="list-style-type: none"> a) before the commencement of the works - carrying out the reconnaissance of the Task implementation areas in terms of the presence of unexploded ordnance (the report with the results of the above mentioned shovel reconnaissance should be submitted to the Engineer), 	Contractor

			<p>b) in the course of earthworks - sapper's supervision over the works (carried out by the team of sapper's supervision of the Contractor), consisting in current checking and clearing the area of the Task from dangerous objects of military origin together with their disposal;</p> <p>c) in case of finding in the area of implementation of the Task dangerous objects of military origin - implementation of procedures described in item 89.</p>	
89.	Protection of human health and safety	Task implementation area	<p>Rules for handling unexploded ordnance</p> <p>If potentially hazardous items of military origin are found:</p> <ul style="list-style-type: none"> a) stop working immediately , b) evacuate persons and equipment from the area around the find and protect against unauthorised access, c) immediately notify the sapper supervisor and the Police and follow their instructions, d) notify the Engineer and the Employer, e) it is strictly forbidden, prior to the arrival of the Contractor's sapper supervision or military mine patrol, to lift, dig up, bury, carry, throw into fire or water, etc. 	Contractor
90.	Protection of human health and safety	Task implementation area	<p>Rules of conduct in the event of occurrence of flood waters and floods</p> <ul style="list-style-type: none"> a) a Flood Protection Plan for the Construction Site in case of a flood should be prepared prior to the commencement of works and approved by the Engineer; b) the construction facilities should be located: <ul style="list-style-type: none"> • beyond the reach of the flood waters with probability of 10%, (so-called ten-year water); • at a distance of not less than 50 m from waters and wetlands (applies to construction site facilities), c) construction site Flood Prevention Committee should be established, composed of engineering and technical personnel, d) constant monitoring of information on water levels and rainfall forecasts should be carried out, 	Contractor

			<p>e) a permanent assessment of the state of flood protection in relation to the existing construction site should be carried out and the organisational readiness, means and equipment for flood protection of workers, the site and construction facilities should be monitored,</p> <p>f) in the event of forecasted high water levels in rivers and streams, secure the construction site against the negative effects of surface water flow and evacuate people, equipment and materials according to the extent of the risk.</p>	
15 - REQUIREMENTS FOR THE PROTECTION OF BUILDINGS AGAINST NOISE AND VIBRATION				
91.	Protection of human health and safety	Task implementation on area with the surroundings	<p>Documentation of technical condition of the buildings exposed to vibrations.</p> <p>Prior to commencing , the works, during which vibrations may occur that threaten the surrounding residents and nearby buildings and infrastructure facilities, the Contractor shall carry out a zero-state inventory of existing buildings and facilities, with particular emphasis on cracks and damage.</p> <p>During the execution of the aforementioned works, the Contractor shall continuously (at least once a week) monitor the condition of these buildings and facilities or the level of vibration and vibration intensity, while complying with the noise protection requirements (see items 32, 34, 35, 37 Appendix 1 of the EMP).</p> <p>In case of the risk of emission of vibrations at the level posing the danger of deterioration of the existing condition of buildings and infrastructure, it is necessary to apply less emissive methods of performing the works (e.g. installation of sheet piling walls by pressing).</p> <p>Prior to documenting and monitoring the technical condition of buildings and infrastructure exposed to vibration and vibration, the Contractor shall develop and submit to the Engineer for approval <i>a Detailed Quality Assurance Plan</i> in this regard.</p> <p>The Contractor shall be obliged to present the results of the zero state inventory of buildings and infrastructure facilities in the form of photographic documentation (see item 10 g of Appendix 1 to the EMP).The Contractor shall be obliged to present the results of the zero state inventory of buildings and infrastructure facilities in the form of photographic documentation (see item 10 g).</p>	Contractor
16 - REQUIREMENTS FOR THE CONTRACTOR'S PERSONNEL INVOLVED IN THE IMPLEMENTATION OF THE EMP				

92.	Implementation and reporting of the implementation of an EMP	Task implementation area	<p><i>The staff of the Contractor was trained in the scope of the implementation of EMP</i></p> <p>The Contractor is responsible for conducting the training (completed with a test verifying the knowledge of participants) on the rules and conditions of the EMP and the protective indications during construction for his managerial and engineering and construction supervision staff, which they should prepare with the help of his team of environmental experts. Employees of the Contractor who will deal with fuels and other oil-derivative and other substances harmful to health and the environment should be trained in the principles of protection of the soil and water environment and the use of measures to protect it, including the use of sorbents.</p> <p>In monthly reports submitted to the Engineer, the Contractor will provide information on the state of training of the Contractor's personnel in the conditions of the EMP in the current reporting period.</p>	Contractor
93.	Implementation and reporting of the implementation of the EMP	Task implementation area	<p><i>Appointment of the EMP coordinator in the Contractor's team</i></p> <p>The Contractor's team will appoint a person to coordinate and supervise the activities related to the implementation of the EMP.</p> <p>The duties of this person will include:</p> <ul style="list-style-type: none"> a) supervision over the implementation of particular conditions of the EMP in subsequent stages of the Task implementation; b) ongoing monitoring of the state of implementation of particular conditions from Appendixes 1 and 2 of the EMP in the area of Task implementation; c) informing the management of the Contractor's team on a current basis about the obligations resulting from the EMP at a given stage of works, as well as about problems in the implementation of the EMP; d) cooperation with the remaining part of the Contractor's team (including the team of nature experts team, the team of expert archaeologists of the Contractor, the team of supervisors of the Contractor's sapper, specialists for health and safety at work supervision) in order to ensure proper implementation of the EMP; e) reporting on the implementation of the EMP; f) cooperation with persons responsible for the implementation of the EMP in the Engineer's and Employer's team; <p>Engagement above mentioned experts within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task. The person appointed to perform the aforementioned function requires the approval of the Engineer.</p>	Contractor

94.	Protection of animated resources of nature	Task implementation area	<p>Ongoing nature supervision at the stage of work implementation</p> <p>Carry out the work under constant supervision of nature supervision specialists: a botanist - phytosociologist (natural habitats and protected plant species, including bryophytes), a dendrologist (principles of tree maintenance and protection), an entomologist (protected species of invertebrates, macrozoobenthos), an ichthyologist (fish and lampreys), a herpetologist (amphibians and reptiles), an ornithologist (birds), a chiropterologist (bats), a mammalogist (mammals other than bats).</p> <p>Additionally, at the stage of works for the Duszniki-Zdrój facility, provide ongoing natural supervision of the lichenologist (lichen).</p> <p>[condition of the sub-clause 2.2.10 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI-ZDRÓJ Facility]</p> <p>the condition of sub-clause 2.2.10 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility</p> <p>the condition of the clause 2.2.9 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p> <p>These experts will be involved in the implementation of selected mitigation and monitoring actions identified in the EMP, in particular:</p> <ul style="list-style-type: none"> a) mitigation measures mentioned in the Appendix 1 to EMP, b) monitoring measures mentioned in the Appendix 2 to EMP. <p>Engagement of the above mentioned experts within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task. The personnel composition of the Contractor's nature supervision team requires the approval of the Engineer.</p> <p>One member of the environmental expert team may represent a maximum of two of the nature specialisations.</p>	Contractor
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95.	Implementation of EMP	Task implementation area	<p>Providing a team of archaeologists' experts</p> <p>Throughout the whole period of the Task implementation, the Contractor will ensure the participation of a team of archaeological experts. These experts will be involved in the implementation of selected mitigation measures identified in the EMP. The members of the archaeologists' expert team must have the appropriate professional qualifications. The composition of the archaeological expert team requires the approval of the Engineer.</p> <p>Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the archaeological expert team.</p>	Contractor
96.	Implementation of EMP	Task implementation area	<p>Providing a team of OSH experts</p> <p>Throughout the whole Task implementation period the Contractor shall ensure the participation of OSH experts. These experts shall be involved in the day-to-day supervision, implementation and control of compliance with regulations and rules relating to health and safety at work. The members of the occupational health and safety expert team must have appropriate industry qualifications, in accordance with Polish labour law. The composition of the team of health and safety experts requires the approval of the Engineer.</p> <p>Before starting the works, the Contractor shall submit for approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the team of OSH experts. Before starting the work, the Contractor's health and safety supervision will conduct a dedicated training for the Contractor's staff in the field of work safety and accident hazard during the Task.</p>	Contractor
97.	Implementation of EMP	Task implementation area	<p>Providing a sapper's supervision team</p> <p>Throughout the entire Task implementation period, the Contractor shall ensure the participation of the sapper's supervision team. This team will be involved in the implementation of selected mitigation actions identified in the EMP. The experts of the sapper's supervision team must have appropriate industry qualifications. The personnel composition of the sapper's supervision team requires the approval of the Engineer.</p> <p>Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the team of sapper's supervision experts.</p>	Contractor

98.	Implementation of EMP	Task implementation area	<p>Reports of the Contractor's team of environmental experts</p> <p>The Contractor's team of nature experts runs reporting including:</p> <ul style="list-style-type: none"> a) preparing periodic reports (monthly, quarterly and final report) on the implementation of the conditions specified in the EMP; b) monthly reports will be submitted in the form of a checklist with the necessary attachments, including reports on the implementation of environmental supervision; c) possibly other reports and reporting related to the implementation of measures specified in the EMP recommended by the Engineer, the said reports shall be submitted to the Engineer. 	Contractor
17 - REQUIREMENTS FOR REPORTING ON THE IMPLEMENTATION OF THE EMP				
99.	Implementation of EMP	Task implementation area	<p>Reporting on the state of implementation of the EMP in monthly reports</p> <p>During the Task implementation period, the Contractor will submit to the Engineer monthly reports on the implementation of the conditions specified in the EMP (in the form of a checklist with the necessary attachments, including reports on the implementation of environmental supervision). The template of the above report (checklist) requires the approval of the Engineer.</p> <p>Depending on the circumstances, the Engineer may request the Contractor to present additional reports, concerning, among other things, the emergence of emergency situations, implementation of selected items of EMP and others.</p>	Contractor
100.	Periodic meetings on the implementation of mitigation actions and monitoring	Office of the Contractor/ Engineer's office/Employer's office	<p>Discussing the implementation of the EMP during working meetings and on Construction Councils</p> <p>During the period of implementation of the tasks resulting from the EMP, monthly meetings of the PIU, the Engineer, the Contractor and PCU OVFMP teams will be held in order to discuss and control the implementation of mitigation and monitoring actions.</p> <p>Regardless of the above, the current requirements and problems related to the implementation of the PAS will be discussed during Construction Site Meetings.</p>	PIU, the Engineer Team, the Contractor and PCU

18- SPECIFIC REQUIREMENTS OF THE ES POLICIES OF THE WORLD BANK				
101.	Protection of human health and safety. Water protection. Protection of natural resources.	Task implementation area	<p>ES Code of Conduct</p> <p>The Contractor shall take all necessary measures to ensure that the Contractor's personnel are informed about the ES Code of Conduct submitted with the tender and described in point 6.13 of the text of the EMP, including specific prohibited behaviours, and that they understand the consequences of engaging in such prohibited behaviours.</p> <p>The Contractor shall also ensure that the ES Code of Conduct is visibly presented in the locations of the Contractor's staff.</p> <p>This condition applies to the Contractor and its staff, regardless of the legal form of cooperation and Subcontractors and their staff respectively.</p>	Contractor
102.	Protection of human health and safety.	Task implementation area	<p>Prevention of sexual harassment and mobbing</p> <p>The Contractor is obliged to provide such conditions during the performance of the Contract in order to prevent mobbing and sexual harassment of its staff and Subcontractors, as well as other persons (both related to the performance of the Contract and outsiders).</p>	Contractor
103.	Protection of human health and safety.	Task implementation area	<p>Raising awareness on combating sexual harassment and mobbing</p> <p>The Contractor, through an approved and qualified service provider, will conduct training and implement an awareness-raising programme to combat sexual harassment and mobbing. These activities will be carried out during the entire term of the Contract including the period of reporting defects at least every second month. These will take the form of information, education and awareness-raising campaigns.</p>	Contractor
104.	Protection of human health and safety.	Task implementation area	<p>Reporting of sexual harassment and mobbing</p> <p>It is the Contractor's duty to inform the Consultant immediately of all reported cases and suspicions of 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 requests kept by the Contractor.</p>	Contractor

			In the case of harassment or sexual harassment, it is the duty of the Contractor to take actions aimed at immediate termination of such conduct and to draw all legal consequences for the perpetrators of such conduct. The Contractor is also obliged to provide all necessary assistance and support to victims of these behaviours.	
105.	Protection of human health and safety.	Task implementation area	<p>Ensuring the possibility of complaints and requests by the staff employed to carry out the Task</p> <p>The Contractor will inform all persons employed on the construction site about the possibility of lodging complaints about working and pay conditions and will deliver an information leaflet with the necessary information about lodging complaints and requests, in which it will ensure that there are no repercussions for the person lodging the problem. The Contractor will keep a register of complaints and requests. The content of the leaflet and the format of the register will be agreed with the Consultant.</p> <p>The rules of conduct described in the above leaflet must not contradict the guidance given in the document "Grievance redress mechanisms" published on the World Bank website⁵. The content of the mentioned leaflet will be agreed with the Engineer. The Contractor shall also maintain a register of complaints and requests.</p>	Contractor
106.	Protection of human health and safety.	Task implementation area	<p>Ensuring accident-free working conditions</p> <p>The Contractor shall ensure in the area of Task execution and outside the area of Task execution (during activities related to Task execution, e.g. during transport) such conditions as to prevent accidents involving persons connected with Contract execution, including Contractor's staff, Engineer, Employer, Subcontractors, etc., and third parties.</p> <p>In the event of such accidents, it is necessary:</p> <ul style="list-style-type: none"> • ensure proper treatment of the victim without delay; • secure the scene; • inform the Engineer, the Employer and PCU OVFMP as soon as possible about the event and how the Contractor will react to the event; • notify the relevant services and allow them to reach the scene. 	Contractor

⁵ <https://openknowledge.worldbank.org/handle/10986/20119> ; <https://openknowledge.worldbank.org/handle/10986/12524>

107.	Protection of human health and safety.	Task implementation area	<p>Conditions of employment of juvenile workers</p> <p>In connection with the performance of the Contract, the Contractor may employ only such a juvenile employee who is at least 15 years old, has completed at least eight years of primary school and has presented a medical certificate stating that the work of a given type does not threaten their health.</p> <p>The minimum age for a worker participating in construction and other work involving risks to human health and safety is 18 years.</p>	Contractor
108.	Protection of human health and safety.	Task implementation area	<p>OH&S of the Contractor</p> <p>The Contractor, during the Task implementation period, will ensure constant health and safety supervision. The scope of responsibilities, qualifications and personnel composition of the Contractor's health and safety services shall be in accordance with the Polish Labour Law.</p> <p>Before starting the work, the Contractor's health and safety supervision will conduct a dedicated training for the Contractor's staff in the field of work safety and accident hazard during the Task. There will be a designated person within the Contractor's team to whom employees, in anonymous or named form, may report any situations or incidents of harassment, discrimination and other bad relations in the course of the work. Employees will also be informed of the personal details of the person to whom the above reports can be made and how to make a complaint.</p>	Contractor
109.	Protection of human health and safety.	Task implementation area	<p>Ensuring that working conditions comply with law and standards</p> <p>The Contractor is obliged to apply and observe all the provisions of the labour law in force in Poland, in particular all the provisions of the Labour Code, and will act in accordance 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 equal pay for workers doing the same job without taking into account gender, sexual orientation or age; - ensuring that persons employed under the Contract are not persecuted or discriminated against on the basis of gender, sexual orientation and age; - ensuring that the Contractor, in accordance with the possibilities and conditions and the Polish provisions of the Labour Code, satisfies the living and social needs of employees in the workplace; 	Contractor

			ensuring that the Contractor ensures that it makes it easier for employees to improve their professional qualifications.	
110.	Protection of human health and safety.	Task implementation area	<p>Obligation to comply with ES requirements and conditions</p> <p>The Contractor shall apply and comply with all requirements and conditions of the ES policies (relating to environmental, social and health and safety issues) as set out in the documents:</p> <ul style="list-style-type: none"> a) Contract documents, in the World Bank's Environmental and Social Operational Policies and Procedures (see description in Chapter 6 in the text of the EMP), b) World Bank guidelines concerning Environmental, Health and Safety Rules (EHS Guidelines - see description in Chapter 6 in the text of the EMP), c) ES Code of Conduct developed at the bidding stage (see description in Chapter 6 in the text of the EMP), d) the Contractor's documents listed in item 83 of the Appendix 1 to EMP, e) resulting from the provisions of legal acts in force in Poland (including the Labour Code, Construction Law and others). <p>Requirements and conditions within the scope of ES set forth in the above-mentioned sources for the Contractor and its personnel (regardless of the legal form of cooperation) also apply, to the extent appropriate to the current situation, to the Contractor's subcontractors and their personnel and subcontractors.</p>	Contractor
19 - GUIDELINES FOR DEALING WITH THE SITUATION IN THE EVENT OF AN EPIDEMIC OR EMERGENCY SITUATION DURING THE EXECUTION OF WORKS				
111.	Protection of human health and safety	Task implementation area	<p>In the event that an epidemic or emergency state of epidemics is in force during the execution of works, the Contractor is obliged:</p> <ul style="list-style-type: none"> a) to provide the persons on the Construction Site with all necessary precautions to maintain the health and safety of physical workers, Contractor's Personnel, to the extent described in the Terms and Conditions of the Contract, in particular to introduce appropriate measures to avoid or minimise the spread of diseases, including measures aimed at avoiding or minimising the transmission of infectious diseases that may be associated with the inflow of temporary or permanent labour, related to the performance of the Contract, in the manner specified in the applicable Law, e.g. in those issued pursuant to Article 46a of the Act of 5 December 2008 on preventing and combating infections and infectious 	Contractor

			<p>diseases in humans (unified text Journal of Laws of 2019, item 1239 as amended) Regulations on establishing certain restrictions, orders and prohibitions in connection with the occurrence of a state of epidemic,</p> <p>b) designate a person responsible under the Contract for matters relating to health and safety at work during an epidemic or emergency,</p> <p>c) implement relevant recommendations of the World Bank and sanitary services in the Republic of Poland,</p> <p>d) cooperate with the Employer and the Engineer, in particular, provide current information on the precautions taken or planned, including the appropriate protection of the Construction Site against unauthorized access, the procedures introduced and the appropriate updating of the documents described in section 6.13, in particular the HASP Plan, Waste Management Plan, Construction Site Organization Plan, Management Strategy and ES Implementation Plans,</p> <p>e) organise an information campaign (e.g. posters and instructions on the Site) on the symptoms and signs of infection, the spread of the virus, protection measures (including regular hand washing)</p> <p>f) organise training for manual workers, Contractor's staff at least in the following scope:</p> <ul style="list-style-type: none"> • updated procedures and documents, • the symptoms and signs of COVID-19 (or any other infectious disease in connection with an established epidemic/emergency situation), including self-monitoring of symptoms, spread of the virus, available protection measures, • the treatment in case of noticing symptoms of the disease in themselves and others, • the applicable regulations concerning the quarantine of workers and their families, remuneration for the period of illness, isolation or quarantine, the provision of health care, including sanitary transport, carried out in connection with the prevention of infection, • the applicable procedures for signalling infringements or reporting complaints by employees, • waste handling - e.g. masks, gloves, disinfectants and cleaning products. <p>In the course of an emergency or epidemic situation, within the limits of the law, training should be provided by 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 declaring an epidemic state or threat of an epidemic in connection with another infectious disease in the Republic of Poland.</p>	
SPECIFIC REQUIREMENTS				

20 - SPECIFIC REQUIREMENTS - DUSZNIKI-ZDRÓJ FACILITY				
112.	Protection of the land surface and landscape	Duszniki Zdrój Facility implementation area	<p>Rules for the location of temporary occupation areas</p> <p>Construction sites, technological yards, construction material and top soil storage places should be located at a distance of not less than 50 m from wetlands.</p> <p>[condition of the sub-clause 2.2.6 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
113.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p>Ongoing supervision by a dendrologist expert - work on a natural monument</p> <p>All works in the vicinity of natural monuments (6 trees of beech species <i>Fagus sylvatica</i> and <i>Tilia cordata</i> small-leaved linden) growing in the Spa Park at the bank of Bystrica Dusznicka are performed under the current supervision of a dendrologist. Before starting the works, a dendrological expert's opinion should be carried out, including indications on how to minimize the impacts in accordance with the current state of the object. The scope of works in the area of the facility should be limited to the necessary minimum resulting from technical and technological reasons.</p> <p>[condition of the sub-clause 2.2.36 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
114.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p>Need for an inventory of plants, bryophytes and red algae and transfer of protected species</p> <p>Before starting the works, an inventory of protected species of plants, aphids and dwarfs in the Bystrzyca Dusznicka riverbed and the Jastrzębnik and Podgórna streams in the sections where the works are planned should be made. Next, plants/stones inhabited by the above mentioned species should be moved from the areas at risk of destruction, where the presence of the above mentioned species has been found, under the supervision of botanical and lichenologist experts, and then deposited in other sections, not covered by the works, in places suitable for the habitat, upstream of the sites.</p> <p>[condition of the sub-clause 2.2.34 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor

115.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p><i>The need for a detailed inventory of lichen occurrence</i></p> <p>Prior to the commencement of the works, in the areas of planned felling where lichen has been found to occur: <i>Bryoria fuscescens</i>, <i>Pleurosticta acetabulum</i>, <i>Evernia prusnastri</i>, <i>Ramalina farinacea</i>, <i>Ramalina fastigiata</i>, <i>tuckermannopsis chlorophylla</i> <i>Tuckermannopsis</i>, <i>Usnea filipendula</i> and <i>Usnea subfloridana</i>, perform with the participation of an expert lichenologist, a detailed inventory of the above mentioned species. If the above species are found on trees to be cut down, the work should be carried out under the close supervision of an expert lichenologist and the necessary actions should be taken to minimise the impacts indicated by the expert.</p> <p>[condition of the sub-clause 2.2.38 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
116.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p><i>The need for a detailed inventory of protected moss species</i></p> <p>Before starting the works, in the places of planned tree felling, where the presence of <i>Ulota crispa</i> and <i>Ulota bruchii</i> was found, a detailed inventory of the above mentioned species should be made with the participation of a botanist - phytosociologist. In the event of a collision between the sites of the species and the areas of planned works, metaplaning of specimens should be carried out under the supervision of a botanist-phytosociologist expert, moving all the inhabited tree trunks (whole) to places suitable for the habitat.</p> <p>[condition of the sub-clause 2.2.39 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
117.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p><i>Requirements for the translocation of sites of protected plant species</i></p> <p>Prior to the commencement of the construction works, move the specimens of the following protected plant species to sites with appropriate habitat conditions:</p> <ol style="list-style-type: none"> <i>Batrachium fluitans</i> - move a minimum of about 90% of specimens of the species threatened with destruction in connection with the project to places where the works have already been carried out or to places not covered by the works on the urban section in Duszniki-Zdrój (above the current location of the works front). The transfer of specimens shall be carried out under the strict supervision of the experts of the botanist - phyto-sociologist and ichthyologist; 	Contractor

			<p>b. <i>Aruncus sylvestris</i> - relocate all specimens of the species threatened with destruction in connection with the project. The transfer of specimens is carried out under the strict supervision of a botanist-phytosociologist expert;</p> <p>c. <i>Leucoium vernum</i> - move all specimens of the species threatened with destruction in connection with the project. The transfer of specimens is carried out under the strict supervision of a phytosociologist.</p> <p>[condition of the sub-clause 2.2.40 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	
118.	Protection of animated nature	Duszniki Zdrój Facility implementation area	<p>Technical requirements for renovation of thresholds</p> <p>Technical solutions of renovated thresholds H-45 in km 27+048, H-46 in km 27+421 and weir H-48 in km 27+522 of the Bystrzyca Dusznicka river should ensure free migration of fish and other aquatic organisms. Thresholds and weirs should be made in the form of semi-natural blasts across the entire width of the trough enabling free migration of fish and lampreys and other aquatic organisms (slope approx. 1:25 or milder, stone bedding of various fractions, in the surface part not bound by concrete, cross profile with low water pit in the central part). The designs of the weirs and barrage rapids to be rebuilt to be cleverly constructed should be agreed with a specialist ichthyologist who is experienced in designing fish passes⁶.</p> <p>[condition of the sub-clause 3.3.2 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
119.	Protection of human health and safety	Duszniki Zdrój Facility implementation area	<p>Technical requirements for the by-pass channel</p> <p>At the bottom of the channel, a stone lining is to be used for the relief planned to be carried out within Duszniki-Zdrój, which will ensure the entire water outflow from the canal after the passage of flood waters.</p> <p>The by-pass channel on the upper water side should be equipped with a threshold that allows water to flow only in case of flood conditions.</p> <p>The connection of the by-pass channel with the river from the lower water side should be designed in a gentle way, with minimal interference with the bottom and riverbed banks (in case of the need to strengthen the bottom</p>	Contractor

⁶ The approval of the ichthyologist expert concerning the fish pass design is included in the design documentation for the Duszniki-Zdrój Facility included in the documentation for Contract 2B.2/2.

			<p>in Bystrzyca Dusznicka, the place of connection with the by-pass channel can be strengthened with a stone bedding founded in concrete)⁷.</p> <p>[conditions of the sub-clause 3.3.8, 3.3.9, 3.3. 10 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	
120.	Reconstruction of environmental conditions	Duszniki Zdrój Facility implementation area	<p>Brook trout stocking</p> <p>In the event that work needs to be carried out in the period from October to the end of February, which will result in the loss of brook trout eggs in the spawning grounds below the site of work, stocking with brook trout should be carried out annually during the work period in cooperation with an expert ichthyologist. Stocking shall be carried out using stocking material from the Nysa Kłodzka catchment area and the size of the stocking density shall be based on an assessment of the real loss of the species population and the amount of stocking material introduced by the fishing user. In addition, the ichthyologist's expert, in consultation with the fishing user of the waters, may indicate the need for additional stocking in the year following the completion of the works, in order to maintain the species in size until the spawning conditions in the section covered by the works have been restored.</p> <p>[conditions of the sub-clause II.1.1 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor
121.	Reconstruction of environmental conditions	Duszniki Zdrój Facility implementation area	<p>Restoration of the nesting places of the grey wagtail and the white-throated dipper</p> <p>In the town of Szczytno - under the supervision of an expert ornithologist - hang under bridges 5 nesting boxes for white-throated dipper <i>Cinclus cinclus</i> and 5 nesting boxes for grey wagtail <i>Motacila cinerea</i>. If there are no suitable places for hanging the boxes under bridges, boxes should be installed on retaining walls, at a height of not less than 0.3 m from the upper edge of the wall. Individual booths should be hung from each other at a distance of not less than 100 m. The type of nesting boxes should be agreed with an expert ornithologist.</p> <p>[conditions of the sub-clause II.1.2 environmental decision ref. no.: WOOŚ.420.21.2020.AP.19 of 28.10.2020 for the DUSZNIKI ZDRÓJ Facility]</p>	Contractor

⁷ The design guidelines have been included in the design documentation for the Duszniki-Zdrój Facility included in Contract 2B.2/2Documentation

21 - SPECIFIC REQUIREMENTS - SZCZYTNA FACILITY				
122.	Protection of soils and waters	Szczytna Facility implementation area	<p>Protection against pollution of the soil and water environment</p> <p>The construction sites, technological yards, storage places for construction materials should be organised on a hardened area or on an area protected against penetration of oil-derived substances into the ground and water environment. Store oils, greases and other hazardous substances in sealed containers, in a place protected from access by third parties.</p> <p>[condition of the sub-clause 2.2.6 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
123.	Protection of the river ecosystem	Szczytna Facility implementation area	<p>Restrictions on the timing of channel works</p> <p>In the period from 1 March to 31 May, do not carry out works in the river channels.</p> <p>[condition of the sub-clause 2.2.14 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
124.	Protection of animated nature	Szczytna Facility implementation area	<p>Restrictions on felling</p> <p>In the estuary section of Kamienny Potok (0+000-0+400) and in the section of Bystrzyca Dusznicka, surrounded by the estuary of Kamienny Potok (21+400- 21+950), it is allowed to cut down only trees growing on the bank slopes, whose stability is significantly disturbed. In addition, consideration should always be given to the possibility of trimming the tree or removing parts of it instead of the whole tree.</p> <p>[condition 2.2.23 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
125.	Protection of animated nature	Szczytna Facility	<p>Transfer requirements for protected plant species</p>	Contractor

		implementati on area	<p>Prior to the commencement of the construction works, move the specimens of the following protected plant species to sites with appropriate habitat conditions:</p> <ul style="list-style-type: none"> a. <i>Batrachium fluitans</i> - move a minimum of about 90% of specimens of the species threatened with destruction in connection with the project to places where the works have already been carried out or to places not covered by the works on the urban section in Duszniki-Zdrój (above the current location of the works front). The transfer of specimens shall be carried out under the strict supervision of the experts of the botanist - phyto-sociologist and ichthyologist; b. <i>Aruncus sylvestris</i> - relocate all specimens of the species threatened with destruction in connection with the project. The transfer of specimens is carried out under the strict supervision of a botanist-phytosociologist expert; <p>[condition of the sub-clause 2.2.35 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	
126.	Protection of the river ecosystem	Szczytna Facility implementati on area	<p>Ensuring biological flow in the watercourse</p> <p>During the exploitation stage of the project, ensure biological flow in the section of Kamienna Potok below the planned drainage water intake for fire protection purposes</p> <p>[condition of the sub-clause 2.2.36 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Employer
127.	Protection of the river ecosystem	Szczytna Facility implementati on area	<p>Technical requirements for renovation of thresholds</p> <p>Technical solutions for renovated thresholds H-35 in km 20+310, H-36 in km 21+028 and H-37 in km 21+038 and weirs H-38 in km 21+554, H-39 in km 21+702, H-40 in km 21+954, H-41 in km 22+230 of the Bystrzyca Dusznicka river, as well as H-1 weirs in km 0+759, H-2 in km 1+071, H-3 in km 1+457 of the Kamienny Potok should ensure free migration of fish and other aquatic organisms. Thresholds and weirs should be made in the form of semi-natural rapids across the entire width of the trough enabling free migration of fish and lampreys and other aquatic organisms (slope approx. 1:25 or milder, stone bedding of varying fractions, not bound by concrete in the surface part, cross profile with low water pit in the central part). The designs of the weirs and barrage rapids to be rebuilt</p>	Contractor

			to be cleverly constructed should be agreed with a specialist ichthyologist who is experienced in designing fish passes ⁸ . [condition of the sub-clause 3.3.2 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]	
128.	Protection of animated nature	Szczytna Facility implementation area	Restrictions on felling In the section from km 22+650 to km 23+200, the felling of trees and bushes growing on bank slopes should be abandoned, except for trees and bushes which need to be removed in connection with the construction of a buttress. [condition of the sub-clause 3.3.7 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]	Contractor
129.	Protection of the river ecosystem	Szczytna Facility implementation area	Leaving outwash in the river channel Do not remove outwash in the section of Kamienna Potok covered by the works, except for places where it is necessary due to the adopted technology of works (except for the permits indicated in item 49). [condition of the sub-clause 3.3.8 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]	Contractor
130.	Reconstruction of environmental conditions	Szczytna Facility implementation area	Brook trout stocking In the event that work needs to be carried out in the period from October to the end of February, which will result in the loss of brook trout eggs in the spawning grounds below the site of work, stocking with brook trout should be carried out annually during the work period in cooperation with an expert ichthyologist. Stocking shall be carried out using stocking material from the Nysa Kłodzka catchment area and the size of the stocking density shall be based on an assessment of the real loss of the species population and the amount of stocking material introduced by the fishing user. In addition, the ichthyologist's expert, in consultation with the fishing user of the waters, may indicate the need for additional stocking in the year following the completion of the works, in order	Contractor

⁸ the agreement of the ichthyologist expert for fish migration solutions is included in the design documentation of the Szczytna Facility constituting a part of Contract Documents of Contract 2B.2/2.

			to maintain the species in size until the spawning conditions in the section covered by the works have been restored. [condition of the sub-clause II.1.1 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]	
131.	Reconstruction of environmental conditions	Szczytna Facility implementation area	<p>Restoration of the nesting places of the grey wagtail and the white-throated dipper</p> <p>In the town of Szczytno - under the supervision of an expert ornithologist - hang under bridges 5 nesting boxes for white-throated dipper <i>Cinclus cinclus</i> and 5 nesting boxes for grey wagtail <i>Motacila cinerea</i>. If there are no suitable places for hanging the boxes under bridges, boxes should be installed on retaining walls, at a height of not less than 0.3 m from the upper edge of the wall. Individual booths should be hung from each other at a distance of not less than 100 m. The type of nesting boxes should be agreed with an expert ornithologist.</p> <p>[condition of the sub-clause II.1.2 environmental decision ref. no.: WOOŚ.420.19.2020.AP.20 of 13.11.2020 for the SZCZYTNA Facility]</p>	Contractor
22 - SPECIFIC REQUIREMENTS - POLANICA-ZDRÓJ FACILITY				
132.	Protection of animated nature	Polanica Zdrój Facility implementation area	<p>Securing nature habitat patches</p> <p>Habitat patches 6430 Mountain herbs(<i>Adenostylion alliariae</i>) and riverside herbs(<i>Convolvuletalia sepium</i>) inventoried in the immediate vicinity of the anti-rumming dam construction area, not intended to be removed (in accordance with the design documentation), should be visibly marked and effectively protected against damage under the supervision of a phytosociologist expert (before the works commence).</p> <p>[condition of the sub-clause 2.2.30 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
133.	Protection of animated nature	Polanica Zdrój Facility implementation area	<p>Need for an inventory of plants and bryophytes and transfer of protected species</p> <p>Prior to the commencement of works, an inventory of protected plant and bryophyte species in the Bystrzyca Dusznicka riverbed along the section where works are planned should be carried out. Next, plants/stones inhabited by the above mentioned species should be moved from the areas at risk of destruction, where the</p>	Contractor

			<p>presence of the above mentioned species has been found, under the supervision of botanical experts, and then deposited in other sections, not covered by the works, in places suitable for the habitat, upstream of the sites.</p> <p>[condition of the sub-clause 2.2.33 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	
134.	Protection of animated nature	Polanica Zdrój Facility implementation area	<p>Requirements for the translocation of sites of protected plant species</p> <p>Prior to the commencement of the construction works, move the specimens of the following protected plant species to sites with appropriate habitat conditions:</p> <ul style="list-style-type: none"> a. <i>Batrachium fluitans</i> - move at least 90% of the individuals of the species threatened with destruction in connection with the implementation of the project to places where the works have already been carried out or to places not covered by the works on the urban section in Polanica-Zdrój (above the current location of the works front). The transfer of specimens shall be carried out under the strict supervision of the experts of the botanist - phyto-sociologist and ichthyologist; b. <i>Aruncus sylvestris</i> - relocate all specimens of the species threatened with destruction in connection with the project. The transfer of specimens is carried out under the strict supervision of a botanist-phytosociologist expert; c. <i>Leucoium vernum</i> - move at least 80% of the specimens of the species threatened with destruction in connection with the project. The transfer of specimens is carried out under the strict supervision of a phytosociologist. <p>[condition of the sub-clause 2.2.37 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
135.	Protection of animated nature	Polanica Zdrój Facility implementation area	<p>Requirements for the translocation of sites of <i>Hildenbrandia rivularis</i> occurs</p> <p>Prior to the commencement of the works, rocks colonised by kelp from the sites where <i>Hildenbrandia rivularis</i> occurs shall be moved from the sites under the supervision of a botanist and deposited in other sections not affected by the works, in sites with suitable habitat conditions for the species. After the completion of the works, the stones inhabited by red algae should be moved back to the previous locations of the species.</p>	Contractor

			[condition of the sub-clause 2.2.36 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]	
136.	Protection of animated nature	Polanica Zdrój Facility implementation area	<p>Technical requirements for renovation of thresholds</p> <p>Technical solutions of the renovated H-3 thresholds in km 15+498 of the Bystrzyca Dusznicka river should ensure free migration of fish and other aquatic organisms. The designs of the rapids are to be agreed with a specialist ichthyologist who is experienced in designing fish passes⁹.</p> <p>[condition of the sub-clause 3.3.2 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
137.	Reconstruction of environmental conditions	Polanica Zdrój Facility implementation area	<p>Brook trout stocking</p> <p>In the event that work needs to be carried out in the period from October to the end of February, which will result in the loss of brook trout eggs in the spawning grounds below the site of work, stocking with brook trout should be carried out annually during the work period in cooperation with an expert ichthyologist. Stocking shall be carried out using stocking material from the Nysa Kłodzka catchment area and the size of the stocking density shall be based on an assessment of the real loss of the species population and the amount of stocking material introduced by the fishing user. In addition, the ichthyologist's expert, in consultation with the fishing user of the waters, may indicate the need for additional stocking in the year following the completion of the works, in order to maintain the species in size until the spawning conditions in the section covered by the works have been restored.</p> <p>[condition of the sub-clause II.1.1 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor
138.	Reconstruction of environmental conditions	Polanica Zdrój Facility implementation area	<p>Distribution of nesting boxes for edible dormouse</p> <p>Due to the disturbance of edible dormouse <i>Glis glis</i> habitat fragments, 10 nest boxes for the species should be placed in the area of the planned anti-flood dam under supervision and in places selected by a mammalogist expert.</p>	Contractor

⁹ the approval of the ichthyologist expert for fish migration solutions is included in the design documentation of the Szczytna Facility constituting a part of Contract Documents of the Contract 2B.2/2.

			[condition of the sub-clause II.1.2 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]	
139.	Reconstruction of environmental conditions	Polanica Zdrój Facility implementation area	<p>Restoration of the nesting places of the grey wagtail and the white-throated dipper</p> <p>In the area of the town of Polanica-Zdrój and within 500 m from the administrative borders of the town - under the supervision of an ornithologist expert - hang 5 nesting boxes for the white-throated dipper <i>Cinclus cinclus</i> and 5 nesting boxes for grey wagtail <i>Motacila cinerea</i>. If there are no suitable places for hanging the boxes under bridges, boxes should be installed on retaining walls, at a height of not less than 0.3 m from the upper edge of the wall. Individual boxes should be hung from each other at a distance of not less than 100 m. The type of nesting boxes should be agreed with an expert ornithologist.</p> <p>[condition of the sub-clause II.1.3 environmental decision ref. no.: WOOŚ.420.16.2020.AP.18 of 30.10.2020 for the POLANICA-ZDRÓJ Facility]</p>	Contractor