Appendix 2 – Plan of monitoring measures

This appendix to the Environmental Management Plan (EMP) for the Task ***2A.1/1 Construction of "Boboszów" – a dry flood control reservoir on Nysa Kłodzka River*** describes the conditions for implementing the Task concerning the monitoring measures. The costs of these measures and schedule of implementation should be included in the Offer.

Explanations of the table in Appendix 2 of the EMP:

1) measures listed in items 1-128 in Appendix 2 of the EMP relate to the monitoring of implementation of the mitigation measures listed in items 1-128 in Appendix 1 of the EMP (quoted literally in column *Subject of monitoring*).

2) measures listed in items 129-133 in Appendix 2 of the EMP relate to the implementation of the monitoring measures set out in the environmental decision issued by RDOŚ in Wrocław on February 27th, 2015 and in the decision amending abovementioned environmental decision, issued by GDOŚ in Warsaw on April 6th, 2016.

3) measures listed in item 134 in Appendix 2 of the EMP relate to the monitoring of implementation of the monitoring measures listed in items 129-133 in Appendix 2 of the EMP.

4) unless otherwise stated in a particular case, the term ***Task implementation area*** means the area of performing any preparatory works, essential works (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed during the Defects Notification Period, together with the lands subject to temporary acquisition.

5) unless otherwise stated in a particular case, the term ***Task implementation period*** means the duration of any preparatory works, essential works execution (including the Permanent Works and Temporary Works), and any works related to the removal of defects and faults or execution of the unfinished works specified in the Takeover Certificate or revealed in the Defects Notification Period.

6) unless otherwise stated in a particular case, the term ***Contractor's team*** in column *Responsible entity* means personally the EMP Coordinator in the Contractor's staff (referred to in item 121 in Appendix 1 to the EMP), cooperating with the Site Manager and the rest of the Contractor's Staff (including a team of environmental experts and a team of archaeological experts).

7) unless otherwise stated in a particular case, the term ***Engineer's team*** in column *Responsible entity* means personally the Environmental Management Expert in the Engineer's staff, cooperating with relevant Supervising Inspectors and the rest of the Engineer's staff.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
A.	***REQUIREMENTS CONCERNING THE SCHEDULING OF WORKS***					
1.	Work Schedule	***The EMP conditions on the deadlines of the works*** When determining the work schedules and at the stage of their implementation, it is necessary to take into account the conditions of the EMP regarding the deadlines and time for conducting various types of works, including: a) work commencement date (see item 27); b) periods of implementation of selected Task items (see item 28, 29); c) periods of notice and the site inspection of the fishing user (see item 44); d) acceptable dates of works in the Nysa Kłodzka riverbed (see item 46); e) acceptable dates for the first passage of water through the tunnel in the reservoir dam (see item 59); f) acceptable hours of the works performance (see item 84); g) acceptable dates for topsoil removal (see item 10 clause b); h) acceptable dates for felling of trees and shrubs (see item 11); i) acceptable dates for tree and shrub stump extraction on the slopes of riverbed (see item 18); j) dates of environmental supervision inspections before felling of trees (see item 17); k) completion date for felling of trees and shrubs (see item 19); l) dates of environmental supervision inspections before demolition of residential and utility buildings (see item 34); m) arrangement of dates for carrying out reinstating works (see item 67); n) dates for planting woods and shrubs (see item 108, 109, 110, 111, 112); o) dates for mowing of meadows in the reservoir area (see item 113); p) dates for the hanging boxes and nesting platforms for	*Task implementation area*	*Contractor's team*	Period: before and during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. Current inspection of fulfilment of the EMP conditions provided for in Appendix 1, item 1 of the EMP (in the manner laid down in the description of these items provided in this table.)
				Engineer's team	Period: before and during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Current monitoring of fulfilment of specific EMP conditions provided for in Appendix 1, item 1 of the EMP (in the manner laid down in the description of these items provided in this table.) Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		birds (see item 114, 115, 116); r) dates for the hanging boxes for bats (see item 117); s) dates for the reporting of the EMP implementation (see item 126, 127, 128).				
2.	Work schedule	***The EMP conditions on the actions to be executed before or at the initial stage of work*** When determining the work schedules and at the stage of their implementation, it is necessary to take into account the conditions of the EMP on the actions to be executed before or at the initial stage of work, including: a) conditions for the implementation and fitting out the site facilities as well as roads and technological yards (see item 5, and also item 73, 75, 76, 77, 78, 79, 80, 81, 90, 92, 93, 94, 99, 100); b) conditions for communication service of the construction site (see item 4); c) conditions concerning the examination of quality (pollution) of land and river sediments (see item 7); d) condition concerning the removal and protection of topsoil layer (see item 10); e) condition for protection of trees and shrubs not planned for felling (see item 20); f) condition relating to the performance of nature inventory (see item 30); g) condition relating to the protection of the borders of habitats (see item 15, 31); h) condition relating to the protection of the construction site against entering by small animals (see item 36); i) condition for notification and site inspection of the fishing user (see item 44); j) conditions for the development of selected documents (see item 67, 91, 96, 102, 106, 108, 109, 110, 111, 113, 114, 115, 116, 117, 122, 126); k) conditions concerning the documentation of the technical state of buildings and infrastructure (see item 4 and 98); l) condition concerning the military engineer recognition	*Task implementation area* along with access roads and their surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. Current inspection of implementation of the EMP conditions provided for in Appendix 1, item 2 of the EMP (in the manner laid down in the description of these items provided in this table.)
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer. Current monitoring of implementation of specific EMP conditions provided for in Appendix 1, item 2 of the EMP (in the manner laid down in the description of these items provided in Appendix 2.)

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		of the construction site (see item 97); m) condition concerning the inventory of illegal dumps (see item 95); n) condition relating to the obtainment of the opinion of the heritage conservator (see item 105); o) condition relating to the approval of the Engineer for the co-ordinator of EMP implementation and composition of the team of environmental experts, team of archaeology experts and the team of military engineering supervision (see item 121, 122, 123 and 124). p) condition relating to training on the principles of the EMP implementation (see item 120).				
3.	Work schedule	***Preservation of the road connection between Boboszów and Pisary villages*** Throughout the whole construction period it is necessary to provide a direct road connection between Boboszów and Pisary villages (along the lane of the district road 119952D, along the section subject to re-location in connection with the construction of the reservoir), available for cars, trucks and buses. The optimal solution would be to build a new section of the municipal road 119952D before starting the stage of works requiring the closure and liquidation of the existing section of that road.	*Task implementation area* along with access roads and their surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
B.	***REQUIREMENTS CONCERNING COMMUNICATION SERVICE OF THE TASK IMPLEMENTATION AREA***					
4.	Protection of human health and safety, protection of material goods, protection of the earth's surface	***Conditions for the use of access roads to the Task implementation area*** In the scope of the use of access roads to the *Task implementation area* the following conditions apply: a) Access to the *Task implementation area* should be determined on the basis of existing roads; b) The Contractor shall ensure proper markings of all access roads to the *Task implementation area* in accordance with applicable law and as agreed with the relevant Road Authorities. These markings will be monitored regularly, and in the case of damage or theft, the Contractor shall immediately restore or supplement these markings; c) The Contractor shall ensure the protection of people against increased vehicular traffic on roads used during the construction work. During the implementation of the Task, the Contractor shall provide, install and maintain all temporary protection devices, thus ensuring the safety of vehicles and pedestrians; d) Hardened surfaces (e.g. access roads), over which the vehicular traffic transporting building materials and aggregates will take place, should be kept in due technical condition; e) The Contractor shall apply to statutory restrictions for the axle load at the transport of materials to and from the *Task implementation area*. The Contractor shall obtain all necessary permits for the transport of atypical loads and continuously notify the Engineer of any such carriage; f) The Contractor shall be responsible for all damage to buildings and structures, roads, drainage ditches, culverts, water and gas pipes, poles and power lines, cables, points of geodetic control network and installation of any kind, and objects of another kind as horizontal	Access roads to the Task implementation area along with their surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of progress of works on the arrangements in question and their conformity with the EMP requirements. Verification of Contractor's documentation regarding organisation and communication infrastructure on the Task implementation area.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		and vertical marking, navigation marking, signage, cultural objects, etc., caused by him or his Subcontractors within the *Task implementation period*. The Contractor is also responsible for restoring the flow capacity of ditches and drainage systems in the area of works and used transport roads in the event of damage caused by construction works and transport connected with the works. The Contractor shall immediately repair any resulting damage at his own expense and, if necessary, carry out other work ordered by the Engineer; g) The Contractor is required to prepare the photographic documentation of the whole *Task implementation area* and access roads, with particular emphasis on the technical condition of the roads and buildings located near the road of transport of construction materials; h) Prior to the works, the Contractor shall carry out the site inspections in the presence of Road Authorities, which shall be followed by protocols on the condition of access roads to the *Task implementation area*. On this basis, the Contractor shall be obliged to restore the technical condition of the roads from before the *Task implementation period*; i) The Contractor is obliged to agree the traffic and work protection designs with the Road Authorities. The Contractor is obliged to carry out the traffic organization according to the agreed designs (marking and securing the *Task implementation area* and marking detours and recommended road marking connected with a change of traffic organization, etc.); j) Prior to the works, the Contractor shall submit the traffic organization and work protection designs agreed with the Road Authorities to the Engineer for approval. Depending on the needs and progress of works the designs of road traffic changes shall be updated by the Contractor on a regular basis.				

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
C.	***REQUIREMENTS CONCERNING THE LOCATION OF SITE FACILITIES AS WELL AS TECHNOLOGICAL ROADS AND YARDS***					
5.	Protection of water and soil, protection of biotic nature	***Obligation to prepare site facilities as well as technological roads and yards*** Before starting the construction works, it is necessary to perform site facilities, technological roads and yards. Site facilities are to serve for storage of building materials, garage, refueling and current repairs of vehicles, machinery and devices, location of social facilities (changing rooms, office, workshop, portable sanitary cabins) and waste containers. Equipment of site facilities should meet, among others, conditions set out in item 73, 75, 76, 77, 78, 79, 80, 81, 90, 92, 93, 94, 99, 100. When planning the above components of the construction site, it is necessary to ensure limitation of their area to a minimum.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of Contractor's documentation regarding organisation of the construction site backyard. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
6.	Protection of biotic nature, protection of water	***Conditions for location of site facilities as well as technological roads and yards*** Site facilities as well as technological roads and yards should be located: a) outside the areas covered with high greenery (trees, shrubs) intended to be preserved in the civil engineering design;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of Contractor's documentation regarding organisation of the construction site backyard. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		b) outside the area of identified nature habitats and habitats and sites of protected species destined to be preserved in the civil engineering design; c) outside the reach of flood water; d) outside the protection zones of groundwater intakes; e) in sites ensuring the absence of noise impacts on acoustically protected areas; f) at a distance of not less than 100 m from existing reservoirs and wetland sites (for site facilities); g) at first, it is necessary to consider the location of site facilities on the west side of the municipal road Boboszów – Pisary, at the parts of the plots no. 33 and 58 AM 1 the precinct of Boboszów and possibly at the parts of the plots no. 53 and 50 AM 1 the precinct of Boboszów (according to the description of the project, which is annexed to the environmental decision issued by the RDOŚ in Wroclaw on Feb. 27th, 2015). Designed locations of site facilities as well as roads and technological yards should be agreed with a team of environmental experts, referred to in item 122 (including *i.a.* a phytosociology expert) and submitted, together with the above arrangements, to the Engineer for approval. Note! Prior to the implementation of this condition it is necessary to determine the current position of the boundaries of the areas described by the numbers of plots (see clause e), according to the conditions described in item 119.		*Engineer's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of and arrangements of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
D.	***REQUIREMENTS CONCERNING QUALITY AND USE OF LANDS***					
7.	Protection of water and soil	***Examination of quality (state of pollution) of land on the Task implementation area*** Prior to the commencement of earthworks, it is necessary to perform the quality examination (pollution status) of land on the *Task implementation area* (including earth mass outside the riverbeds of watercourses and sedimentation in riverbeds of watercourses), designed to: a) development within the boundaries of the construction site (including the use for construction purposes), or b) removal out of the boundaries of the construction site. The aim of the examination is to: ● determine the possibilities of these land use within the boundaries of the construction site, in accordance with applicable regulations, and ● establish an acceptable method of dealing with the land not usable within the construction site boundaries. The examination should be performed in accordance with current regulations, including the *Waste Act*, *Environmental Protection Law* and implementing acts to the above laws. The examination should be carried out by accredited laboratory, approved by the Engineer. Before starting the examination, the Contractor shall submit the methodology of planned examination to the Engineer for approval.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Inspection of progress of works on the studies in question and their conformity with the EMP requirements. Inspection of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
8.	Protection of water and soil	***Use of lands coming from the construction site*** Lands located on the construction site (including the earth mass outside the watercourse riverbeds and the settlement of watercourse riverbeds) should be used at the construction site in the first place. The remaining excess land should be used in accordance with the applicable regulations and the design documentation. The procedure for the waste land should be presented in the *Plan of waste management*, developed by the Contractor and submitted to the Engineer for approval before the commencement of works (according to item 91).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of progress of works on the document in question and its conformity with the EMP requirements
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
9.	Protection of water and soil	***Requirements for land and aggregates coming from the outside of the construction site*** Land (including the earth mass) and aggregate used for construction works, and coming from outside the construction site, shall meet the requirements for soil quality standards and earth quality standards (in accordance with the *Environmental Protection Law* and its implementing acts), as well as in all other applicable regulations and standards (including the conditions of the item 71 of Appendix 1 EMP).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of documentation on the quality of lands (including earth masses) and aggregates sourced from outside the construction site and their conformity with the governing law. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

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E.	***REQUIREMENTS CONCERNING HANDLING OF TOPSOIL***					
10.	Protection of soil, protection of biotic nature	***Removal, storage, and use of topsoil*** In order to protect topsoil in the *Task implementation area*: a) remove at least 0.2 m of fertile soil (referred to as top-soil) prior to commencement of any construction works in individual parts of the *Task implementation area* (this condition applies to all locations in the *Task implementation area* where the existing topsoil layer could become degraded in relation to works, movement, and maintenance of machinery and devices, storage of materials etc.); b) works related to the stripping of topsoil from the area of the reservoir's basin should be carried out in the period from the beginning of September to the end of April , and in other locations (in particular planned for the dam, overflow, roads) striping of the top soil may be conducted during the whole year under ongoing supervision of the experts: phytosociologist, herpetologist and ornithologist; c) the removed topsoil should be stored at construction site backyard or in another place with hardened base, in heaps not wider than 3 m and not higher than 1.5 m; d) topsoil removed from sites of protected butterfly species (referred to in item 118 clause 3 should be separated and marked in a way facilitating conformity with conditions specified in item 67 clause b; e) detailed location of topsoil heaps should be agreed in advance with the environment expert board referred to in item 122 (including a phytosociology expert) so that storage of topsoil does not result in degradation of natural habitats and natural conservation sites for protected species and does not have a negative impact on health of trees and shrubs (see the condition in item 21); f) stored topsoil heaps should be protected from damage, running over, thickening, storage of construction materials, etc.;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of Contractor's documentation regarding organisation of the construction site and handling the topsoil layer. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

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		g) stored topsoil heaps should be regularly sprinkled with water depending on the weather (never allow the heaps to become dry for over 5 days); h) after completion of construction works, stored topsoil should be used to restore the layer of fertile soil as per the conditions specified in item 67 of the table. Information on the implementation of this measure in relation to the protection of topsoil coming from the areas referred to under item 118 clause 3, shall be transmitted in accordance with the conditions specified under item 128. [see also item 118 clause 3]				
F.	***REQUIREMENTS CONCERNING TREES AND SHRUBS FELLING***					
11.	Protection of biotic nature	***Acceptable dates for felling of trees and shrubs*** Felling of trees and shrubs should be done only between September 1st and February 28th.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
12.	Protection of biotic nature	***Acceptable places for felling of trees and shrubs*** Felling of trees and shrubs should be performed only in areas directly interfering with the implementation of the Tasks, i.e.: a) at the areas intended for the foundation of the dam body, construction of technical roads, internal access roads to it and overflow device extending along the right abutment of the dam;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of Contractor's documentation relating to the clearance of trees and shrubs. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task*	Visual monitoring, photographic documentation.

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		b) along the strip of land intended for temporary (construction phase) relocation of the Nysa Kłodzka riverbed; c) on the slopes encompassed by the regulation of the Nysa Kłodzka riverbed; d) along the strip of land intended for the execution of the new riverbed of the Nysa Kłodzka river, connecting the outlet of drainage devices with the existing riverbed.			*implementation period* Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
13.	Protection of biotic nature	***Environmental supervision in determining trees to felling*** Determination of trees to be felled in the *Task implementation area* should be carried out under the supervision of a phytosociologist expert (referred to in item 122), in order to preserve as much of individual patches of natural habitats (in particular habitat *9180 *Tilio-Acerion forests of slopes, screes and ravines*). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of Contractor's documentation relating to the clearance of trees and shrubs. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
14.	Protection of biotic nature	***Conditions relating to the felling of trees and shrubs near a nest of black stork*** Within 100 meters from the nest of Black stork *Ciconia nigra* (located in the south-western part of the designed reservoir) the felling of trees and shrubs shall not be carried out. At a distance of 100 to 500 m abovementioned nest of black stork, the felling works should be done under the current supervision and in accordance with the recommendations of an expert ornithologist (referred to in item 122), with the time limits specified in item 11. Information on the implementation of this measure shall be	*Task implementation area* (area within distance up to 500m from the black stork nest in the south-west part of the reservoir basin)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of Contractor's documentation relating to the clearance of trees and shrubs. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency:	Visual monitoring, photographic documentation. Inspection of the participation of the

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		transmitted in accordance with the conditions specified in item 128. [see also item 29 and 118 clause 8b]			up to date, at least once a month	required experts. Verification of documentation handed over from the Contractor to the Engineer.
15.	Protection of biotic nature	***Conditions relating to the felling in the patches of natural habitat *9180*** In the case of felling carried out in the patches of natural habitat *9180 *Tilio-Acerion forests of slopes, screes and ravines*, it is necessary to: a) limit the felling of trees and shrubs in the *9180 habitat patches to an absolute minimum, as indicated by the expert phytosociologist (referred to in item 122); b) leave intact the part of the *9180 habitat patch in the side erosive gully, which flows into the Nysa Kłodzka river (northern part of the plot No. 70/1); c) leave intact as largest as possible area of the patch of habitat *9180 on a slope at the mouth of the gorge into the Nysa Kłodzka riverbed, with an estimated area of 0.35 ha; d) marginal zones of the *9180 habitat patch on plot No. 70/1 not intended to felling shall be marked in the manner shown in the field (e.g. with poles and reflective tape), in accordance with the conditions specified in item 31; e) allocate to removal the invasive species alien for domestic flora, occurring in the *Task implementation area*, indicated by the abovementioned expert phytosociologist (under the conditions described in item 41). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127. Note! Prior to the implementation of this condition, it is necessary to determine the current position of the borders of the abovementioned areas described by the numbers of registered plots, in accordance with the conditions specified in	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of Contractor's documentation relating to the clearance of trees and shrubs. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		item 119.				
16.	Protection of biotic nature	***Conditions relating to the felling in the patches of natural habitat *91E0*** In the case of felling carried out in the patches of natural habitat *91E0 *Alluvial forests with Alnus glutinosa and Fraxinus excelsior*, it is necessary to: a) limit the felling of trees and shrubs growing at the area of designed reservoir in the *91E0 habitat patches to an absolute minimum, as indicated by the expert phytosociologist (referred to in item 122); b) leave as many trees and shrubs with branches situated low above the riverbed of Nysa Kłodzka as possible within the *91E0 habitat patches, as indicated by an expert ornithologist (referred to in item 122). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of Contractor's documentation relating to the clearance of trees and shrubs. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
17.	Protection of biotic nature	***Environmental supervision prior to and during clearance of trees of circumference at breast height above 40 cm*** The following rules apply to removal of trees of circumference at breast height above 40 cm: a) clearance of trees of circumference at breast height above 40 cm should be preceded by an inspection of the trees for the presence of protected bats and invertebrates carried out by an expert entomologist and chiropterologist (referred to in item 122), not longer than 1 week prior to removal of a given tree; b) if presence of protected invertebrate and/or bat species is confirmed in trees to be felled, the above-mentioned experts shall indicate procedures for handling wood inhabited by protected animal species. Felling dates agreed with the above-mentioned experts should not violate the conditions specified in item 11; c) trees of circumference at breast height above 40 cm will be felled under direct supervision of the above-mentioned expert entomologist and expert chiropterologist; d) should any presence of protected invertebrate and/or bat species specimens be confirmed in trees to be felled, the above-mentioned experts shall specify procedures for handling wood inhabited by the protected animal species and procedures to limit mortality rate of any found protected animal specimen; e) should any presence of protected invertebrate and/or bat species be confirmed in trees to be felled and/or in trees being felled, obtain a legally required administrative decision for derogation from prohibitions regarding protected animal species (if required in each case). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127 and 128. [see also item 118 clause 5a]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
8.	Protection of biotic nature	***Permissible tree and shrub stump extraction period on the slopes of riverbed*** Stumps of felled trees and shrubs under regulation growing on slopes of stream riverbeds should be carried out in September. Should it prove necessary, the time limit for completion of these works can be extended to the end of February, under the condition of conducting them under the supervision of an expert ichthyologist (referred to in item 122).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
19.	Protection of biotic nature	***Completion date for felling of trees and shrubs*** All works related to felling of trees and shrubs in the *Task implementation area* (including extraction of stumps and removal of wood) should be completed within the first 12 months following commencement of the Part of Contract involving implementation of the Task (within periods referred to in items 11, 18, 27 and 28).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
G.	***REQUIREMENTS CONCERNING PROTECTION OF TREES AND SHRUBS NOT INTENDED TO BE CLEARED***					
20.	Protection of biotic nature	***Protection of stumps of trees not intended to felling*** Prior to commencement of any construction works, the stumps of threes exposed to mechanical damage should by protected with wooden boards to a height of 3-4 m from the ground level (bottom of the boards is to be based on the substrate). Between the boards and the surface of the tree trunk, place the flexible material (e.g. thick straw mats), protecting the stump against abrasion by boards. Boards must be attached to the stump in several places in a distance of 40-60 cm from each other (e.g. with the bands of wire or steel tape) in a manner that does not damage the tree).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
21.	Protection of biotic nature	***Protection of areas below tree and shrub crowns*** Construction works should be carried out in a manner not damaging trees and shrubs not intended to be cleared. The following are forbidden within 1 meter from the projection of tree or shrub crown not intended to be cleared: a) establishing roads, processing areas, parking spots, and other elements that could affect soil compaction and change in aeration; b) vehicles, machinery and devices traffic, stopping, and parking; c) storage of earth mass (including topsoil) and construction materials (in particular loose materials).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of documentation regarding organisation of the construction site. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency:	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					up to date, at least once a month	
22.	Protection of biotic nature	***Preventive cutting the tree branches exposed to damage*** In the case of boughs and branches exposure to mechanical damage by working or moving vehicles, machinery and equipment, preventive cuts of tree branches exposed to breakage should be performed. These cuts – performed under the supervision of an expert dendrologist (referred to in item 122) - cannot disturb the natural habit of the trees (they cannot cover more than 1/3 of the green mass of trees), maintaining stability and statics of trees (range of cuts must be uniform at each side of the crown). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
23.	Protection of biotic nature	***Maintenance of ground level in immediate vicinity of tree trunks*** Should earth works be carried out in immediate vicinity of trees, ground level at least 1.5–2.0 m from trunk should remain unchanged. Any ground level differences further from the trunk should be secured with a retaining wall or reinforced slope of increased angle. Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
24.	Protection of biotic nature	***Works within tree and shrub root mass*** Any works within tree and shrub root mass should be carried out by hand, maintaining the following conditions: a) do not cut the coarse roots (with a diameter above 4 cm); b) excavations should be carried out not closer than 2 m from the trunk; c) minimize the time of exposure of roots to drying (under the conditions referred to in item 25).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
25.	Protection of biotic nature	***Preservation of exposed tree and shrub roots*** Exposed roots of trees and shrubs should be covered, for example with straw or jute mats. At positive temperatures, the mats should be watered (to prevent roots drying). At negative temperatures, the mats should be kept dry (to prevent root frost penetration).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
26.	Protection of biotic nature	***Preservation of damaged trees and shrubs*** Should any aerial parts of trees or shrubs not intended for felling become damaged, necessary maintenance works appropriate for the location and type of damage should be immediately implemented. In the case of damaged roots, cut away damaged tips and treat the root with an antifungal agent. The above-mentioned activities should be performed upon agreement with the environment expert board (referred to in item 122). Following the activities an opinion of the board	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements/opinions of the required experts.
				Engineer's team	Period: during the *Task implementation period*	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		as regards correctness of the actions should be presented to the Engineer for acceptance.			Frequency: up to date, at least once a month	Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
H.	***REQUIREMENTS CONCERNING SECURING OF THE PROTECTED NATURAL RESOURCES***					
27.	Protection of biotic nature	***Works commencement date and continuity of work on dam construction*** The construction of the reservoir dam with drainage equipment should begin in the period from September 1st to February 28th (i.e. out of the breeding season of birds, lasting from the beginning of March to the end of August). If the works have begun, they have to be carried out in a continuous way (considering time limitations resulting from other items of this document – see item 1), in the manner preventing the protected animal species from settling in the *Task implementation area* within the *Task implementation period*. Information on the implementation of this measure with respect to works on the areas referred to in item 118 clause 7 and 8, shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 7 and 8]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
28.	Protection of biotic nature	***Deadline for completion of the remaining components of the Task*** The following components of the Task, including: a) earthworks related to the construction of the access road to the upper position, b) works related to demolition of the existing municipal road Boboszów - Pisary (with two bridges connected with this road), c) work related to demolition of all residential and utility	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period*	Visual monitoring, photographic documentation. Verification of documentation handed

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		buildings with all the technical installations of utilities (see also item 34), d) relocation of MV line, should be performed in the period from September 1st to February 28th (taking into account the time constraints resulting from other positions of this document – see item 1). Information on the implementation of this measure with respect to works on the areas referred to in item 118 clause 8, shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 8]			Frequency: up to date, at least once a month	over from the Contractor to the Engineer.
29.	Protection of biotic nature	***Deadlines, spatial range and conditions of the work performance in the vicinity of the black stork nest*** Any construction work and felling of trees and shrubs are not permitted within 100 meters from the nest of black stork *Ciconia nigra* (located in the south-western part of the basin of the designed reservoir). The activities within a distance of 100 to 500 m from the above mentioned black stork nest should be carried out only during the period from September 1st until February 28th (i.e. out of the breeding season of birds, lasting from the beginning of March to the end of August) and conducted under the current supervision and in accordance with the recommendations of an expert ornithologist (referred to in item 122). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 128. [see also item 14 and 118 clause 8b]	*Task implementation area* (area within distance up to 500m from the black stork net in the south-west part of the reservoir basin)	*Contractor's team*	Period: during the *Task implementation period* (Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
30.	Protection of biotic nature	***One-time environmental stock-taking within the works area before works commencement*** Before the works begin a one-time environmental stock-taking within the *Task implementation area* shall be carried out (at least within the areas scheduled for full or partial cut down of trees for the purpose of construction works, according to the design documentation), prepared by environmental experts team referred to in item 122. The purpose of the stock-taking is to determine the current distribution of the natural habitats and habitats and sites of protected flora and fauna species, including on-going verification of information regarding this subject and included in the *Environmental Impact Report* elaborated in 2014 (along with later amendments to this report). In the case of detecting natural habitats, habitats or sites of protected fauna and flora species within the *Task implementation area* the following actions should be executed: a) in case of natural habitats – discuss further actions with the relevant expert of the environmental team (referred to in item 122), and forward the results of the arrangements to the Engineer for approval; b) in case of habitats or sites of protected species – execute actions referred to in item 43.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts. Inspection of the progress of obtaining and handing over the required administrative decisions.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
31.	Protection of biotic nature	***Marking the boundaries of the patches containing natural habitats*** Before the works begin, boundaries of patches containing natural habitats to be left intact should be set down and marked with the participation of the expert phytosociologist, referred to in item 122 (according to the information contained in the *Environmental Impact Report* and results of the one-time environmental stock-taking referred to in item 30), including *i.a.*: a) 6430 – *mountain tall herb fringe communities (Adenostylion alliariae) and riparian tall herb fringe communities (Convolvuletalia sepium)*, b) 9170 – *Galio-Carpinetum oak-hornbeam forests (Galio-Carpinetum, Tilio-Carpinetum)*, c) *9180 – *Tilio-Acerion forests of slopes, screes and ravines (Tilio platyphyllis-Acerion pseudoplatani)* and d) *91E0 – *Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)*. Within the *Task implementation period* these patches must be secured against destruction, damage, contamination, traffic of vehicles, machinery and devices, and free access of persons in connection with the works (e.g. by establishing marked fences). Throughout the whole *Task implementation period* the condition of the protective measures of the patches containing the habitats should be inspected on a regular basis (at least once a month) and possible damages should be removed. These inspections should be carried out with the participation of the aforementioned expert phytosociologist. [see also item 15 and 16]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation passed from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
32.	Protection of biotic nature	***Information on destroying the habitats of 7 protected plant species mentioned in the decisions of the RDOŚ in Wroclaw dated 05.03.2019.*** RDOŚ in Wrocław issued relevant permits *(decision of RDOŚ in Wrocław of 5th March 2019 no. WPN.6400.6.2019.MH.1 and a decision of RDOŚ in Wrocław of 5th March 2019 no. WPN.27.2018.MH.1* – see appendices 4e and 4f to this EMP) for intentional destruction of the habitats of the following species of protected plants, present in the following locations: a) oxlip *Primula elatior* – 238-660 individuals located on plots number 59/3, 70/3, 61/12, 81/2 1 in the precinct of Boboszów and on the plots no. 293/1 in the precinct of Pisary; b) stemless carline thistle *Carlina acaulis* –12-55 individuals located on plots number 59/3, 81/5 AM 1 in the precinct of Boboszów; c) spring snowflake *Leucoium vernum* – 1001-10000 individuals located on plot number 70/3 in the precinct of Boboszów; d) autumn crocus *Colchicum autumnale* – 101-250 individuals located on plot number 61/11 in the precinct of Boboszów; e) eggleaf twayblade *Listera ovata* – 1-5 individuals located on plot number 69 in the precinct of Boboszów; f) february daphne *Daphne mezereum* – 1-5 individuals located on plot number 293/1 in the precinct of Pisary. The permit to destroy the above mentioned habitats in accordance with the decision no. WPN.6400.6.2019.MH is valid till May 1, 2021.	*Task implementation area* (plots No 59/3, 61/11, 61/12, 64, 66/1, 69, 70/3, 81/2, 81/5 precinct Boboszów and plots No 293/1 , precinct Pisary,	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		g) Western marsh orchid *Dactylorhiza majalis* – 1 individual located on plot number 66/1 in the precinct of Boboszów, h) Oxlip *Primula elatior* – 60 individuals located on plot number 81/5 in the precinct of Boboszów, i) Autumn crocus *Colchicum autumnale* – a few hundred individuals on the plot no. 64 in the precinct of Boboszów. The permit to destroy the above mentioned habitats in accordance with the decision no WPN.27.2018.MH.1 is valid till December 31, 2020. The information in the scope of the implementation of the above mentioned permits shall be handed over in accordance with conditions specified in the item 128. [see also item 118 item 2]				
33.	Protection of biotic nature	***Information about the destruction of specimens and habitats of 43 species of protected plants (mosses) listed in the Decision of the RDOŚ in Wroclaw dated on March 5, 2019*** The Employer obtained the permission of the RDOŚ in Wroclaw (decision of the RDOŚ in Wroclaw dated on March 5, 2019, no. **WPN.6400.6.2019.MH** – See Appendix 4 e to this EMP) to deliberate destruction of specimens and habitats of the following 43 species of protected plants (mosses) occurring in the following locations:	*Task implementation area* (plots No 59, 61/1, 61/3, 69, 70/1 and 81/2 AM 1 precinct Boboszów, accord. to the state of geodetic division from years 2014-2015).	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		a) springy turf-moss *Rhytidiadelphus squarrosus* – a few hundred m² area of the habitat of the species, located on plots number 59/1, 61/11 1 in the precinct of Bo-boszów; b) red-stemmed feathermoss *Pleurozium schreberi* – a dozen m² area of the habitat of the species, located on plots number 61/1 in the precinct of Boboszów; c) broom forkmoss *Dicranum scoparium* – a several tens m² area of the habitat of the species, located on plot number 393/2 in the precinct of Pisary. The permission referred to above is valid until May 1, 2021. Information on the implementation of the aforementioned permission shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 1]				
34.	Protection of biotic nature	***Environmental supervision before and during demolition of residential and utility buildings*** In the case of demolition of residential and utility buildings the-following rules shall apply: a) demolition of buildings should be preceded by the control of these objects for the presence of protected species of bats, carried out by an expert chiropterologist (referred to in item 122), no later than one week before the demolition of the object; b) in case of occurrence of protected species of bats in buildings designed for demolition, the abovementioned expert shall indicate acceptable terms and ways of conducting the demolition, for the protection of the bats found. The dates of demolition agreed with the abovementioned an expert cannot violate the conditions set out in item 28c; c) demolition of buildings shall be carried out under the direct supervision of the abovementioned expert chiropterologist;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		d) in the case of the presence of individuals of protected species of bats in the buildings subject to demolition, the abovementioned expert shall determine ways to reduce mortality of the stated specimens of protected animals; e) in the case of the presence of protected species of bats in the facilities designed to demolition and / or facilities subject to demolition, it is necessary to obtain the legally required administrative decision authorizing the derogation from the prohibitions in relation to protected species (if required in a given case). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127 and 128. [see also item 118 clause 5b]				
35.	Protection of biotic nature	***Limiting the Task implementation time*** The Contractor is obliged to organize the works in a way that would help reduce the Task implementation time to the minimum and limit the negative impact of works on the animals living within this area and in its surrounding.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
36.	Protection of	***Protecting the Task implementation area***	*Task*	*Contractor's*	Period:	Visual monitoring, photographic

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
	biotic nature	***against entering of small animals*** The works should be executed in a way allowing avoiding killing animals. The *Task implementation area*, particularly the sites of on-going works, backyards, storage yards, etc., should be secured against entering small animals (amphibians, reptiles, small mammals) with a net of mesh size not larger than 0.5 x 0.5 cm and of the height of at least 0.5 m. The net should be buried into the ground to the depth of at least 15 cm. Determining the detailed location of the fences protecting the *Task implementation area* against entering of small animals, and establishing these fences should be executed under supervision of expert herpetologist and teriologist (referred to in item 122). Within the whole *Task implementation period* the condition of these fences should be inspected on a regular basis and possible leaks should be removed, and it must be remembered that: a) In the period between March 1st and August 31st the inspections should be carried out at least once in 3 days; b) In the period between September 1st and last of February – at least once in 10 days. Inspection of the fences should be carried out with the participation of the experts.	*implementation area*	*team*	during the *Task implementation period* Frequency: up to date, at least once a week	documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
37.	Protection of biotic nature	***Inspections of places that could be a trap for small animals*** It is necessary to monitor excavations and other places that may be a trap for animals: amphibians, reptiles, small mammals every morning. In the period from March 1st to May 15th and from September 15th to October 15th also the second inspection should be carried out in the late afternoon. Trapped animals should be caught and released beyond the investment site in the appropriate place for the species. The last check of the presence of animals in excavations	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency:	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		shall be carried out immediately before backfilling the excavation. The checks shall be carried out under the direction and in accordance with the guidelines of the expert herpetologist and teriologist (referred to in item 122), who will also coordinate and suggest the places to release the caught animal species. All wells and other anthropogenic objects that can be a trap for amphibians and small mammals should be protected according to notes and under the guidance of the abovementioned expert herpetologist and teriologist. Information on the implementation of this measure with respect to works on the areas referred to in item 118 clause 6, shall be transmitted in accordance with the conditions specified in item 128. [see also item 40 and 118 clause 6a]			up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
38.	Protection of biotic nature	***Current elimination of isolated still water pools in the Task implementation area*** During the *Task implementation period*, it is necessary to eliminate the isolated still water pools on a regular basis in the places that might interfere with ongoing or planned works and in the places of current or planned traffic of vehicles, machines and equipment. This action is intended to prevent the settling of protected species of amphibians in the *Task implementation area* during the period of the works.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
39.	Protection of biotic nature	***Ensuring safe migration possibilities for amphibians*** The works in the valley of the Nysa Kłodzka river shall be carried out in a way that ensures the possibility of safe mi-	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date,	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		gration of amphibians, including the migration of amphibians through the designed internal roads in the *Task implementation area*. The detailed rules for the implementation of this condition should be agreed on with an expert herpetologist (referred to in item 122), who will also supervise its proper implementation. The above-mentioned agreement with an expert herpetologist must be submitted to the approval of the Engineer.			at least once a week	
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
40.	Protection of biotic nature	***Catching and relocating small animals from the Task implementation area*** In the case of appearance of small animals (amphibians, reptiles, small mammals) within the *Task implementation area*, they should be caught and relocated from the *Task implementation area* to appropriate habitats outside the range of impact of the works. This should be executed under supervision of a relevant environmental expert (herpetologist and/or teriologist referred to in item 122. Information on the implementation of this measure with respect to works on the areas referred to in item 118 clause 6, shall be transmitted in accordance with the conditions specified in item 128. [see also item 37 and 118 clause 6a]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
41.	Protection of biotic nature	***Fighting alien invasive plant species*** During carrying out the works, alien invasive plant species should be removed (at least twice a year, within the whole *Task implementation area*) until they disappear and are replaced with local vegetation. The alien invasive plant species should be pulled out (together with root ball), transported away and disposed of. These actions should be performed according to the detailed guidelines specified by the expert phytosociologist (referred to in item 122).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency:	Visual monitoring, photographic documentation. Inspection of the participation of the

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					up to date, at least once a month	required experts. Verification of documentation handed over from the Contractor to the Engineer.
42.	Protection of biotic nature	***On-going inspections of the environmental experts team within the Task implementation period*** All works executed within the *Task implementation period* shall be carried out under the supervision of environmental experts team (referred to in item 122). These experts should carry out inspections of the whole *Task implementation area* on a regular basis (at least once a month) and communicate their findings and suggestions to the Contractor's staff responsible for implementation of works in conformity with the EMP conditions. The inspections should be followed by written notes attached to monthly reports on implementation of the EMP conditions (referred to in item 126). Information on the implementation of this measure with respect to works on the areas referred to in item 118 clause 6, shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 6b]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements/notes of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
43.	Protection of biotic nature	***Obtaining a decision allowing for exceptions from the rules of species–specific protection of fauna, flora and funghi*** In the case when habitats or sites of protected species of flora and fauna (other than the sites referred to in item 118) are detected within the *Task implementation area* before works commencement or during carrying out of the works, the following actions should be taken: a) the Contractor shall acquire and hand over a written opinion of the environmental experts team (referred to in item 122) for the Engineer approval, including the following information:	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts. Inspection of the progress of obtaining and handing over the required administrative decisions.
				Engineer's team	Period: during the *Task implementation period*	Visual monitoring, photographic documentation. Inspection of the participation of the

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		– scope of the possible impact of the works on the detected natural resources and – the necessity to obtain the decision referred to in clause b, and shall take the actions mentioned in clauses b–d below, if it is indispensable in the light of this opinion; b) before taking any actions that could endanger the habitats and sites, or scare an animal of protected species away (according to the opinion referred to in clause a), the Contractor shall be obliged to obtain an administrative decision required by the governing law that would allow for exceptions from the bans regarding the protected species of flora, funghi and fauna; c) the decision has to be forwarded to the Engineer; d) the Contractor shall be obliged to a precise and timely implementation of the terms of the aforementioned decision. [see also item 30]			(among others before commencement of works and during works) Frequency: up to date, at least once a month	required experts. Verification of documentation handed over from the Contractor to the Engineer.
I.	***SPECIFIC REQUIREMENTS FOR THE WORKS IN RIVERBEDS***					
44.	Protection of biotic nature	***Rules of cooperation with fishery user of the watercourses within the Task implementation area*** The Contractor is obliged to cooperate with the fishery user of the watercourses within the *Task implementation area* (The Polish Angling Association [PAA], Wałbrzych District) within the following scope: a) the Contractor will communicate to the fishery user (PAA, Wałbrzych District) the date of work commencement in the riverbed of Nysa Kłodzka 3 months in advance; b) within the date specified in item a. (above) the Contractor will execute an on-site verification within the *Task implementation area* with participation of the local representative of the PAA Wałbrzych District during which	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works [until the conditions in clauses a and b are met], during works [as regards the condition in clause c] and after completion of works [as regards the condition in clause d]) Frequency: up to date, at least once a week	Inspection of fulfilment of specific formal obligations provided for in the item in question of the EMP. Inspection of the participation of the required experts.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		scheduled preparatory works and essential construction works regarding the Task implementation will be communicated; c) an expert ichthyologist supervising the works on behalf of the Contractor (see item 45 and 122) will cooperate with the ichthyologist employed by PAA Wałbrzych District, especially within the implementation of tasks specified in items 46–63 and item 118 clause 4; d) when the *Task implementation period* is over the Contractor will hand over all documentation prepared by the expert ichthyologist supervising the works on behalf of the Contractor to the PAA Wałbrzych District (e.g. in the form of a report on ichthyologic supervision over the works which would cover actions taken to reduce the negative influence of the works on fish fauna).				
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works [until the conditions in clauses a and b are met], during works [as regards the condition in clause c] and after completion of works [as regards the condition in clause d]) Frequency: up to date, at least once a month	Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
45.	Protection of biotic nature, protection of water	***Ichtyological supervision over the works in riverbeds*** All works in the riverbeds of watercourses shall be performed under the supervision of an expert ichthyologist (referred to in item 122). Their task will be to specify a proper method of work execution, check if the works are performed correctly, observe fish fauna and ensure implementation of relevant actions in case of risk to fish fauna. During the time of the execution of works in the riverbeds, the expert ichthyologist shall carry out regular inspections of the sites (at least once in three days) and forward their opinions and suggestions on regular basis to the Contractor's staff responsible for execution of works accordingly to the EMP conditions.	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
46.	Protection of biotic nature, protection of water	***Acceptable dates of works in the Nysa Kłodzka riverbed*** The works in the riverbed and on bank slopes of Nysa Kłodzka	*Task implementation area* (Nysa Kłodzka	*Contractor's team*	Period: during the *Task implementation period* Frequency:	Verification of works schedules. Visual monitoring, photographic documentation. Inspection of the participation and

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		(on the sections where these works will be carried out without prior drying of riverbed – see item 62) should be carried out only during the periods from December 16th to end of February and from July 1st to August 31st (absolute prohibition of such work in the periods from March 1st to June 30th and from September 1st to December 15th). The optimal time for carrying out such work is the period from July 1st to August 31st (in the period from December 16th to end of February the above-mentioned scope of work should be as limited as possible). The performance of above work in the period from December 16th to the end of February requires the prior favourable opinion of the expert ichtiologist (referred to in item 122), allowing their conduct in a given location and establishing specific conditions for conducting such work (among others in connection with the terms of spawning and hatching of broodstock trout). The Ichthyologist expert opinion shall be submitted for approval to the Engineer. Information on the implementation of this measure in relation to the works carried out on the section of the Nysa Kłodzka, referred to in item 118 clause 4, shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 4]	riverbed and banks)		up to date, at least once a week	arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
47.	Protection of biotic nature, protection of water	***Maintaining the water flow and conditions of migration of the aquatic organisms in the watercourses* within the *Task implementation area*** Throughout the entire *Task implementation period*, the possibility of migration of the aquatic organisms in the riverbeds of watercourses should be maintained (the condition of maintaining the water flow in the watercourses). In the case of the necessity of periodic limitation of the wa-	*Task implementation area* (Nysa Kłodzka riverbed and bank slopes)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation and arrangements of the required experts.
				Engineer's team	Period: during the *Task implementation period*	Visual monitoring, photographic documentation. Inspection of the participation of the

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		ter flow in the riverbed in connection with the works, detailed terms and conditions of the scheduled works must be agreed upon with the environmental experts team referred to in item 122 (including the expert ichthyologist) so that the continuity of migration corridors of aquatic organisms was not disrupted.			Frequency: up to date, at least once a month	required experts. Verification of documentation handed over from the Contractor to the Engineer.
48.	Protection of biotic nature, protection of water	***Direction of works execution at regulation of riverbed of Nysa Kłodzka*** Construction and regulation works in the riverbed and bank slopes of the Nysa Kłodzka river should be carried out in stages, in such a way that the work front progress along the river current (i.e. first should be regulated the section at the upper post and then the section at the bottom post).	*Task implementation area* (Nysa Kłodzka riverbed and bank slopes)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
49.	Protection of biotic nature, protection of water	***Handling the rip rap protection*** When reinforcing the bottom or banks of the riverbed banks with heavy rip rap protection (along the sections where work will be performed without previous drying of riverbed), the following rules should be followed: a) stones must not be thrown from lorries directly to the riverbed; b) the stones must be unloaded on the river bank and then carefully moved in blocks with an excavator from the bank to the channel; c) the block of stones located on the slopes should be adjusted and profiled manually (blocks of stones must not be thrown from lorries directly to the water).	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
50.	Protection of biotic nature, protection of water	***Protecting the watercourses against vehicle traffic*** While carrying out works in the riverbeds and banks of watercourses these bans must be followed: a) ban on vehicle traffic within the riverbed along the watercourses; b) ban on moving earth masses, gravel and stones by pushing these materials in the in the riverbeds of watercourses. c) ban on routing access roads within the riverbeds of watercourses (the equipment should be moved to the riverbed only from the bank side).	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
51.	Protection of biotic nature, protection of water	***Prohibition on interference in watercourses riverbeds and banks not covered by the works*** During the *Task implementation period* the riverbeds and banks of watercourses not covered by the works must not be interfered with (e.g. prohibition on traffic of vehicles, machinery and devices, prohibition on pollution, devastation and storage of materials, etc.).	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
52.	Protection of biotic nature, protection of water	***Construction of reservoir discharge structures and construction of the new section of the Nysa Kłodzka riverbed downstream the dam using the "dry" technology*** The construction of discharge structures of the reservoir and construction of the new section of the Nysa Kłodzka riverbed downstream the reservoir shall be carried out using the "dry" technology (e.g. under the cover of earth-fill cofferdam, with passing river water through a temporary through built for the period	*Task implementation area* (i.a. the Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task*	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		of works).			*implementation period* Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
53.	Protection of biotic nature, protection of water	***Shaping temporary riverbed of the Nysa Kłodzka river*** To strengthen the banks and bottom of temporary riverbed of the Nysa Kłodzka (length of 145.0 m), created for the duration of the tunnel performance under the body of the dam and the new section of the riverbed below the dam, it is necessary to use natural materials or similar to them, so as to keep natural features of adjacent sections of the river valley as far as possible. The width of the temporary riverbed should be similar to the width of the adjacent parts of the river, which is approximately 4.0 m. All works related to the formation of a temporary section of the river should be carried out under the direction and based on the guidance of expert ichthyologist (referred to in item 122).	*Task implementation area* (riverbed of temporary section of Nysa Kłodzka)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
54.	Protection of biotic nature, protection of water	***Rules for liquidation of the temporary section of the Nysa Kłodzka riverbed*** After the construction of facilities related to the operation of the tunnel in the reservoir dam (with the new section of the riverbed downstream the dam) and directing there the flow of Nysa Kłodzka river, the provisional section of the riverbed (referred to in item 53) should be filled up using solutions enabling earlier, safe escape of live organisms from it. To do this: a) lead water of Nysa Kłodzka river flows to the newly built final riverbed (i.e. to the tunnel in the reservoir dam and new through downstream the dam); b) make a cofferdam that closes the temporary section of the riverbed designed to liquidation in the upper course;	*Task implementation area* (riverbed of temporary section of Nysa Kłodzka)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		c) wait until water from the temporary channel to be liquidated flows to the new channel (this should be facilitated by eg. digging extra ditches allowing downstream discharge along with the aquatic organisms); d) the case when ponding occurs in the temporary section of the riverbed after water escape and traps aquatic animals, they should be caught and replaced - under the supervision of the expert ichthyologist referred to in item 122 - to their proper habitats; e) before the actions specified in clauses b-d above are executed, the permits required by the provisions of the *Nature Conservation Act* and *Inland Fishing Act* must be obtained; f) build a cofferdam in the downstream area of the temporary channel to be liquidated; g) backfill the riverbed section to be liquidated with soil. All work related to the liquidation of temporary section of the Nysa Kłodzka riverbed should be carried out under the supervision and in accordance with the guidelines of the expert ichthyologist. The activities described in this item of EMP should be done keeping the deadlines specified in item 46 and 59.				
55.	Protection of biotic nature, protection of water	***„Main tunnel" width*** One of the "tunnel window s" (called "main tunnel"), through which the Nysa Kłodzka river water shall flow during normal operation of the reservoir, should be adapted to the natural width of the riverbed of that river along the section covered by the construction of the dam body, that is, to a width of about 4 m	*Task implementation area* (tunnel under the reservoir dam)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
						Engineer.
56.	Protection of human health and safety	***Equipping the main discharge valve of the tunnel with a lock*** The discharge of the tunnel should be equipped with an electric driven gate with an emergency manual drive.	*Task implementation area* (tunnel under the reservoir dam)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
57.	Protection of biotic nature, protection of water	***Shaping the concrete bottom of the tunnel under the reservoir dam*** To diversify the riverbed structure and micro habitats for aquatic organisms in the Nysa Kłodzka riverbed, the concrete riverbed of the tunnel under the reservoir dam, should be covered (on the whole surface) with a 10 cm thick layer of gravel (protected against leaching) and stones of the diameter of about 50 cm (they should be located randomly, alone and in groups of 3-5, within the mainstream and near the tunnel banks). The material (gravel and stones) should be taken from the bottom of the liquidated section of the Nysa Kłodzka river. The stones embedded in the riverbed cannot be sharp-edged as this could cause injuries to animals in the case of swift current during high water.	*Task implementation area* (tunnel under the reservoir dam)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
58.	Protection of biotic nature, protection of water	***Shaping the bottom of the new section of Nysa Kłodzka river downstream the dam*** The new section of the Nysa Kłodzka riverbed (connecting the tunnel outlet with the existing riverbed, with a length of approximately 75.0 m), should have the bottom width of about 4 m. The bottom and slopes of this river section shall be formed using natural materials or similar to them. Formation of slopes on this section of the river should be done under direction and in accordance with the recommendations of an expert ornithologist (referred to in item 122), in order to adapt them, where possible, to the requirements of the kingfisher. The structure of the bottom of this section must correspond to the parameters of the habitat of lampreys and scorpion fish, including proper placement of stones (right shape and size of stones – it is necessary to apply, among others, large stones with a diameter of not less than approx. 50 cm, with no sharp edges) affecting the provision of adequate water velocity for the abovementioned species and the formation of microhabitats. All works related to the formation of a new section of the river shall be carried out under the direction and based on guidance of expert ichthyologist (referred to in item 122).	*Task implementation area* (Nysa Kłodzka riverbed)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
59.	Protection of biotic nature, protection of water	***Acceptable date for starting the water flow through the tunnel in the reservoir dam*** The first passing of construction water through the tunnel built in the reservoir dam and through the new section of the Nysa Kłodzka riverbed downstream the dam (in order to direct them to an existing section of the river downstream the dam) should be carried out in the period from June 1st to August 31st. [see also item 54]	*Task implementation area* (Nysa Kłodzka riverbed)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Verification of works schedules. Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency:	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
60.	Protection of biotic nature, protection of water	***Limitation of the scope of regulation of the Nysa Kłodzka river at the lower section*** Regulation of the riverbed of Nysa Kłodzka at a section of 100 m below the executed new section of the riverbed (downstream the reservoir) should cover only the right (i.e. northern) slope of the existing riverbed along with the formation of the land on its right bank. The bottom of the river, the left bank and left bank areas in this section should be excluded from construction activities. All works related to the regulation of the above section of the river must be performed under the supervision and in accordance with the recommendations of the expert ichthyologist (referred to in item 122).	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
61	Protection of biotic nature, protection of water	***Shaping the riverbed of the regulated section of the Nysa Kłodzka*** The width of the bottom of the regulated section of the Nysa Kłodzka riverbed upstream and downstream the dam should be adapted to the current width of the bottom of the river, i.e. a minimum of 4 m. The regulation of the riverbed shall be made based on natural materials or similar to them. The method of the river bank regulation must provide good conditions for migration of lampreys and scorpion fish, among others, by using the bottom substrate proper for those species, proper distribution and a correct size and shape of the stones (it is necessary to use big stones having a diameter of not less than approx. 50 cm, free of sharp edges). All work related to the regulation of the river section upstream and downstream the dam must be carried out under	*Task implementation area* (Nysa Kłodzka riverbed and banks)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		the supervision and in accordance with the recommendations of the expert ichthyologist (referred to in item 122).				
62.	Protection of biotic nature, protection of water	***Carrying out the work in the riverbed using „dry" technology*** The works in the riverbed of Nysa Kłodzka should be carried out using the "dry" technology (i.e. with the earlier removal of the water from the riverbed). Drainage of individual sections of the riverbed should be carried out under the supervision of an expert ichthyologist (referred to in item 122). Conducting the work s in the riverbed using the "wet" technology (i.e. without prior removal of water from the riverbed) is permitted only on a 70-meters long section of the river (in the upper section upstream the dam, where correction will be carried out with rip rap protection of river banks).	*Task implementation area* (Nysa Kłodzka riverbed)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
63	Protection of biotic nature, protection of water	***Rules for supplying earth masses for the reservoir dam construction*** The earth masses for the reservoir dam construction should be transported directly to the target dam section and embedded the in the dam body as soon as they are unloaded. If this condition cannot be fulfilled, the location of the temporary storage of earth masses shall be agreed each time with experts of environmental supervision (referred to in item 122), in order to eliminate the negative impact on environmental resources planned to remain in the civil engineering design.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
J.	***SPECIFIC REQUIREMENTS FOR THE WORKS ON RELOCATION OF POWER LINES***					
64.	Protection of biotic nature	***Conditions for relocated MV power line*** A new line of medium voltage 20 kV on the section along the municipal road and run via the priority natural habitat *9180 *Tilio-Acerion forests of slopes, screes and ravines*, and via the area of plant of the habitat *9180 (referred to in item 110), shall be laid underground. The medium-voltage line can be drawn as an overhead line only downstream the dam, along a distance of 140 m. The markers of the FireFly type should be installed on the overhead section of the line on phase and lightning conductors, in an alternating way at distances graded every 10 meters. Installation of markers should be carried out under the supervision and in accordance with the guidelines of the expert ornithologist (referred to in item 122).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
65.	Protection of biotic nature	***Conditions for relocated LV power line*** A new low voltage line of 0.4 kV, relocated on the area along the municipal road, should be laid underground.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
K.	***SPECIFIC REQUIREMENTS FOR THE TARGET LIGHTING OF THE RESERVOIR SITE***					
66.	Protection of biotic nature	***Conditions for target lighting of the reservoir area*** For the purpose of lighting the area of the tank under normal operating conditions, use sodium vapor lamps producing light with a distinct yellow colour, low-pressure sodium (SOX), with low values of UV radiation.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
L.	***REQUIREMENTS CONCERNING LAND RECLAMATION AFTER WORKS***					
67.	Protection of biotic nature, protection of soil	***Reconstruction of the topsoil layer and green areas, and ordering the area after work completion*** When the works are completed, the following actions should be done: 1) dismantling of the site facilities and roads and technological yards, and removing the road panels and collected sand from the ballast beyond the *Task implementation area* to the destination place indicated previously (approved by the Engineer); 2) on the areas occupied in connection with the execution of the Task (within the *Task implementation area*) the appropriate agricultural practices (loosening of soil, fertilizing, etc.) preparing to restoration of the fertile layer of soil shall be performed; 3) on the areas occupied in connection with the execution of the Task (within the *Task implementation area*) the fertile layer of soil shall be restored (among other with the use of topsoil collected from the area according to the conditions of item 10);	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Inspection of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Inspection of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		4) carrying out procedures enhancing reconstruction of green areas (including sowing and planting trees and bushes using domestic plants only according to the local habitat conditions), taking into account the conditions specified in item 68; 5) ensuring proper care of the reconstructed green areas (until the Defects Notification Period is over); 6) ordering the *Task implementation area*. The actions specified in clause 2, 3, 4 and 5 (above) should be performed under the supervision of an expert botanist-phytosociologist and dendrologist (referred to in item 122), which would cover the following items: a) agreeing upon precise timelines of works; b) agreeing upon (after consultation with an expert entomologist referred to in item 122) precise location of sites for relaying the topsoil sourced from the areas where protected butterfly species can be found (referred to in item 118 clause 3) and stored in the manner specified in item 11 clause d; c) agreeing upon species composition and quantity proportions of seed mix to be sown (taking into account, among other, the conditions specified item 68); d) agreeing upon species composition and quantity proportions of trees and bushed to be planted; e) agreeing upon conditions for preparing the soil and planting material; f) agreeing upon rules of care of the reconstructed green areas; g) communicating the arrangements to the Engineer for approval; h) supervision over carrying out the procedures enhancing reconstruction of the green areas and their care (until the Defect Notification Period is over). The actions regarding reconstruction of the topsoil layer and green areas referred to in this item of the EMP shall begin at the earliest possible date allowing its implementation.				

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		The implementation of the works specified in this item of the EMP can begin only upon approval of the detailed *Quality Assurance Plan* concerning these works by the Engineer. Information on the implementation of this measure in relation to the proposed use of topsoil coming from the areas, referred to in item 118 clause 3, shall be transmitted in accordance with the conditions specified in item 128. [see also item 118 clause 3]				
68.	Protection of biotic nature	***Additional conditions for sewing*** For sowing the areas referred to in item 67, the mixtures of grasses shall be sued composed exclusively of native species and consistent with local habitat (the following species shall be used: red fescue *Festuca rubra*, meadow fescue *F. pratensis*, perennial ryegrass *Lolium perenne* and possibly smooth brome *Bromus inermis*). Sowing shall be covered with a biodegradable geo-textile fixed to the base with wooden dowels. The biodegradable geo-textile with sewn with grass seeds can be used as a substitute.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
69.	Protection of biotic nature	***Restoration of micro-sculpture of the river valley*** After completion of the works the natural character of micro-sculpture of the river valley should be restored as far as possible along the whole section of the Nysa Kłodzka river in the *Task implementation area*.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
70	Protection of biotic nature	***Leaving local land recesses at on floodplains areas*** The local land recesses should be left on the lower flood-plains to allow water accumulation.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
M. REQUIREMENTS CONCERNING POLLUTION PREVENTION						
71.	Protection of water and soil, protection of human health and safety, protection of biotic nature	***Using construction materials meeting the requirements of the provisions and standards, and which are harmless for environment*** The construction materials used for the Task implementation should be harmless for environment (natural, environmentally friendly or neutral). Consumables, raw materials, fuels, fertilisers, and concrete mixtures used during the *Task implementation period* should have appropriate certificates and be approved for use. Earth structures should be made of natural materials. Materials that are hazardous or harmful for health must not be used.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
72.	Protection of water and soil	***Technical efficiency and inspections of vehicles, machinery and devices*** To prevent against water and soil pollution only vehicles, machinery and devices that are technically efficient can be used. The Contractor is obliged to carry out maintenance of the	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		vehicles, machinery and devices and to prevent possible contamination of the water and soil with all available organizational measures, paying special attention to prevent from fuel, oil and oil derivatives spilling both during maintenance, filling the tanks, transport and operation of the vehicles, machinery and devices.		*Engineer's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
73.	Protection of water and soil	***Conditions for the location of the material storage places*** Building materials, particularly bulk materials, should be stored only on paved surfaces within the construction site facilities.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of Contractor's documentation regarding organisation of the construction site. Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
74.	Protection of water	***Limiting the time and amount of drainage and ban on discharge of the water from excavation ditches directly to the watercourses*** The drainage time should be limited to maximum and methods reducing the amount of the pumped out water alongside with its protection against contamination should be applied. The water pumped out of the excavation ditches must not be discharged to the watercourses due to a high amount of the suspended matter.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period*	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		The water can be discharged to the watercourses only upon its treatment and removal of the suspended matter, e.g. in a settling tank.			Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
75.	Protection of biotic nature, protection of the earth surface	***Conditions for traffic of vehicles, machinery and devices within the Task implementation area*** The traffic of vehicles, machinery and devices can be maintained only in the following areas: a) within the construction site backyard; b) on existing roads; c) on access roads and yards; d) on internal roads (after their completion). [see also item 77]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
76.	Protection of water and soil	***Parking lot for the machines and vehicles after the completion of works*** At the end of the workday, and especially on holidays, the machines and vehicles must be parked in designated areas in the backyard.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
77.	Protection of water and soil	***Covering the backyard and access roads with concrete slabs embedded on the subcrust*** The backyard area, all access roads, and other sites where the traffic of vehicles, machinery and devices will be conducted, shall be covered with concrete road slabs on the	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		subcrust (in case of non-hardened areas). [see also item75]		*Engineer's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
78.	Protection of water and soil	***Indicating and sealing the sites of stationing and maintenance of vehicles, machinery and devices*** The sites to be used for maintenance of vehicles, machinery and devices (including stationing, filling with fuel, technical maintenance, etc.) should be appropriately indicated and designated within the backyard. Until completion of the works these sites should be spread with impermeable insulating materials that would prevent the ground against contamination with liquid or solid substances. While discussing the location of these sites it must be remembered to maintain a safe distance from still and flowing waters basins. The detailed location must be discussed with environmental experts team referred to in item 122 (including the expert phytosociologist).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation of the required experts.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.
79.	Protection of water and soil	***Ensuring water drainage from parking sites and access roads into drainage systems*** Parking sites for equipment and access roads shall be made with a slope to ensure stormwater, meltwater, and wastewater drainage into drainage systems in a manner that prevents any contaminants from penetrating the soil or mixing with surface waters.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date,	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					at least once a month	
80.	Protection of water and soil	***A station with a sorbent near the service and parking sites for vehicles, machinery and devices.*** A station with a sorbent used to eliminate any leaks and spillages of petroleum derivatives should be located near service sites for vehicles, machinery and devices (including parking, filling and technical service sites, etc.).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
81.	Protection of water and soil	***Rules for filling the tanks of vehicles, machinery and devices*** Fuel tanks should be filled using mobile or fixed fuel distribution stations equipped with appropriate security systems like a post with sorbent used for removing spilling and leaks of oil derivatives to the ground.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
82.	Protection of water and soil	***Prevention of leaks from vehicles, machinery and devices*** Throughout the *Task implementation period*, the technical state of vehicles, machinery and devices in operation shall be checked regularly to eliminate leaks of carbohydrate petroleum derivatives into the soil and waters.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
83.	Protection of water and soil	***How to proceed in the event of petroleum derivative emission*** In the event of any petroleum derivative emission into the environment (including into soil and water), one shall: a) immediately take actions to prevent pollution dissemination, using available means (e.g. sorbents); b) immediately remove the soil contaminated due to the breakdown as per applicable regulations. c) in the event of major breakdowns, apply procedures described in item 103.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: preventively up to date, at least once a week and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of implementation of the required procedures. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
84.	Protection of acoustic climate	***Restriction on works to daytime*** Work should be planned so that it lasted as short as possible and be performed only in the daytime (between 6 a.m. and 10 p.m.).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
85.	Protection of acoustic climate	***Restriction on noise emitted by vehicles, machinery and devices*** Works shall only be carried out using vehicles, machinery and devices in working order and with noise emission levels (acoustic power) consistent with applicable regulations. Defective vehicles, machinery and devices which might result in increased noise levels in the surroundings shall not be used for the works.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
86.	Protection of acoustic climate	***Restriction on noise emitted by pump aggregates*** In the event that the works are carried out in the acoustically protected areas or in their proximity, in order to restrict noise nuisance for the residents, one shall only use pump aggregates equipped with effective sound dampening cases, ensuring reduction in noise emission to levels consistent with applicable regulations and standards.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
87.	Protection of air, protection of acoustic climate	***Restriction on power consumption of vehicles, machinery and devices*** Use low power consumption vehicles, machinery and devices; switch off the power supply when they are not in use. Engine running time of vehicles, machinery and devices shall be reduced to the necessary minimum.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
88.	Protection of air	***Restriction on air pollution with exhaust fumes*** In order to reduce negative impact on the condition of the air: a) only use vehicles, machinery and devices that are in working order and have valid certificates in order to reduce the emission of gaseous substances and dusts into the atmosphere; b) provide a place for safe manoeuvring of vehicles in the form of yards; c) one shall reduce the traffic of vehicles, machinery, and devices to the necessary minimum; d) turn off engines vehicles are stopped.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
89.	Protection of air	***Limiting dust contamination from the construction site and roads*** During the course of the construction works, limit the consequences of secondary dust contamination by observing high standards of work and in particular by:	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		a) systematic clearance of the construction site; b) sprinkling dusty road surfaces; c) using airtight tarpaulin on vehicles carrying materials that may cause dusting during transport; d) cleaning vehicle wheels before entering access roads to the *Task implementation area*; e) removal of contamination using machinery (special purpose vehicles).		*Engineer's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
90.	Protection of human health and safety, protection of air	***Maintenance of cleanliness on roads*** In order to maintain cleanliness on roads the following actions shall be taken up: a) the Contractor shall use all available technical means and work organization in order to maximally reduce contamination of access roads to the *Task implementation area*. b) the contractor shall install the stands in the places of departure of heavy equipment from the construction site, where soil or mud will be preliminary removed from the wheels of vehicles. c) the Contractor is obliged to immediately and regularly remove any contamination from roads which occurs as a result of movement of vehicles, machinery and devices associated with the implementation of the Task.	*Task implementation area* along with access roads	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
N.	***REQUIREMENTS CONCERNING WASTE MANAGEMENT***					
91.	Protection of water and soil	***Preparing a Waste Management Plan (WMP)*** Prior to the commencement of the works, the Contractor shall prepare and submit to the Engineer for approval the *Waste Management Plan*, which specifies how to deal with waste expected to be generated during the works, and includes, inter alia, the waste management conditions contained in the EMP. [see also item 8]	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works, until the condition is met) Frequency: up to date, at least once a week	Evaluation of the progress of works on the document in question and its conformity with the EMP requirements. Verification of handing over the document to the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works, until the condition is met) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
92.	Protection of water and soil, protection of air	***Principles of waste management*** Wastes generated during the implementation of the Task shall be: a) segregated and selectively stored in airtight containers or in designated and suitable locations in conditions that prevent dust emission and prevent the wind picking up light fractions resulting in a negative environmental impact; b) regular waste collection shall also be ensured by entities authorised to manage the waste further.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
93.	Protection of water and soil	***Principles of hazardous waste management*** Hazardous waste shall be segregated and stored separately in designated airtight containers set on hardened ground, secured against unauthorised access until handed over to entities authorised to manage such waste further.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
94.	Protection of water and soil	***Principles of domestic waste-water management*** Domestic waste-water at the construction site backyard shall be retained in airtight holding tanks, the content of which shall be handed over to entities with appropriate permits to remove it.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
95.	Protection of water and soil	***Prevention of illegal dumping sites*** Prior to the commencement of the works, the Contractor shall carry out reconnaissance of the *Task implementation area* to identify illegal dumping sites. During the implementation of the task, the Contractor shall prevent the emergence of possible dumping sites in the *Task implementation area*.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
O. REQUIREMENTS CONCERNING PROTECTION OF HUMAN LIFE AND HEALTH						
96.	Protection of human health and safety	***Preparing documents related to safety in the Task implementation area*** In the *Task implementation area*, one shall maintain order and ensure proper work organization. Prior to the commencement of the works, the Contractor shall prepare and obtain approval from the Engineer of the following documents related to safety at the construction site: a) *Safety and health protection plan* (*the SHP plan*); b) *Construction site organization design*.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the progress of works on the documents in question and their conformity with the EMP requirements. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
97.	Protection of human health and safety	***Reconnaissance and supervision of explosive ordnance disposal unit in the Task implementation area*** In order to minimize the risk related to the possibility of presence of hazardous military objects in the *Task implementation area*, the Contractor shall provide: a) prior to the commencement of the works – reconnaissance of the *Task implementation area* to detect unexploded explosive ordnance (a report containing the results of the above-mentioned unexploded explosive ordnance reconnaissance shall be submitted to the Engineer for approval); b) during the performance of the works – supervision of explosive ordnance disposal unit over the works (carried out by the explosive ordnance disposal team referred to in item 124) involving examination and clearance in the *Task implementation area* of hazardous military objects followed by their disposal; c) in the event that hazardous military objects are found in the *Task implementation area* – implementation of the procedures described in item 104.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
98.	Protection of human health and safety, protection of property	***Documentation and monitoring of the technical condition of the buildings exposed to the impact of vibrations*** Prior to the commencement of the works during which there may occur vibrations that are hazardous to the neighbouring residents as well as the neighbouring properties and infrastructural facilities, the Contractor shall take inventory of the existing buildings and facilities, having particular regard to cracks and damage. During the performance of the works listed above, the Contractor shall monitor the condition of the buildings and facilities on an ongoing basis.	*Task implementation area* along with the surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works)	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					Frequency: up to date, at least once a month	
99.	Protection of human health and safety	***Implementation of guidelines on occupational health and safety requirements*** The Contractor shall ensure implementation of detailed guidelines on occupational health and safety requirements, i.a. in terms of: a) construction site development, including danger zones; b) storage and transport; c) electric power devices and systems; d) technical machinery and devices; e) works at heights; f) earth works; g) selected renovation and demolition works, contained in applicable regulations and presented in the study by *Chief Labour Inspectorate* as appendix to contract *Bidding Documents* (Part 2, Section VII – *Requirements for Works*).	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
100.	Protection of human health and safety	***Ensuring hygienic conditions*** In the *Task implementation area*, one shall ensure a necessary number of portable toilets and ensure that the staff are able to use them, as well as provide all the staff with training on maintaining proper hygienic conditions at the construction site and its immediate vicinity.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
101.	Protection of human health and safety	***Principles of prevention of such diseases as HIV-AIDS*** By the agency of an approved service supplier, the Contractor shall implement an awareness raising programme on spreading such diseases as HIV-AIDS (the Contractor shall also carry out appropriate trainings) and shall take all other measures to lower the risk of transmitting HIV among the Contractor's personnel and among the local community. Those activities shall be performed in accordance with the detailed conditions stipulated in the Contract *Bidding Documents* (Part 3, Section VIII – *General Terms, clause 6.7*).	*Task implementation area* along with the surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Inspection of conformity of the Contractor's actions with the subject matter requirements specified in the Contract.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
P.	***REQUIREMENTS CONCERNING EXTRAORDINARY THREATS TO THE ENVIRONMENT***					
102.	Protection of human health and safety	***Principles of flood risk management*** With regard to flood risk, the Contractor shall prepare and submit to the Engineer for approval the document entitled *Construction Site Flood Protection Plan* that incorporates local hydrological and meteorological conditions in the vicinity of the construction site. If flooding occurs, the Contractor shall proceed in accordance with the procedures described in the above-mentioned document.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of the progress of works on the documents in question and their conformity with the EMP requirements. Verification of handing over the documents to the Engineer. Verification of following the procedures applicable in the case of a flood event.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency:	Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
					up to date, at least once a month	
103.	Protection of human health and safety	***Principles of crisis notification*** In the event of a crisis (other than a flooding), an accident, a major breakdown, etc., the Contractor is obliged to take the following actions: a) immediately notify appropriate emergency services (fire brigade, ambulance, the police, etc.); b) by the time appropriate emergency services arrive, carry out necessary activities to lower the risk of loss to personnel, property, and the environment (agreed with appropriate services as far as possible); c) notify the Engineer and the Employer; d) after arrival of appropriate emergency services, strictly follow their recommendations and instructions. [see also the condition in item 83]	*Task implementation area* along with the surroundings	*Contractor's team*	Period: during the *Task implementation period* Frequency: preventively up to date, at least once a week and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of implementation of the required procedures. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
104.	Protection of human health and safety	***Procedures for unexploded explosive ordnance management*** In the event that unexploded explosive ordnance is found, one shall: a) immediately stop the works; b) evacuate the area around the finds; c) immediately notify an explosive ordnance disposal unit [see items 97 and 124] and the police, and follow their recommendations;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: preventively up to date, at least once a week and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of implementation of the required procedures. Verification of handing over the documents to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		d) notify the Engineer and the Employer; It is strictly forbidden to lift, dig up, bury, transfer, or throw unexploded explosive ordnance into fire, water, etc.		*Engineer's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a month and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of documentation handed over from the Contractor to the Engineer.
R.	***REQUIREMENTS CONCERNING PROTECTION OF CULTURAL MONUMENTS***					
105.	Protection of monuments	***Obtaining an opinion from a heritage conservator*** Prior to the commencement of the works, the Contractor shall obtain a relevant heritage conservator's opinion on the terms and conditions of the planned works implementation with regard to the applicable principles of historic monuments and archaeological sites protection, The Contractor shall be obliged to observe the provisions deriving from the said opinion.	*Task implementation area* along with the surroundings	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Check on the progress of works regarding obtaining the opinion in question. Verification of handing over the documents to the Engineer. Verification of meeting the arrangements provided for in the opinion.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
106.	Protection of monuments	***Provision of archaeological supervision*** Earthworks shall be performed under regular archaeological supervision. To this end, the Contractor shall: a) prepare an appropriate action plan in this regard as part of *Quality Assurance Plan*; b) ensure participation of expert archaeologists referred to in item 123) to carry out regular supervision over the earthworks; c) if necessary, obtain the legally required *Permit for Archaeological Examination from the Heritage Conservator of the Lower Silesian Province*.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of the progress of works on the documents in question and their conformity with the EMP requirements. Verification of handing over the documents to the Engineer. Verification of following the procedures applicable in the case of a flood event.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
107.	Protection of monuments	***How to proceed if movable monuments or archaeological sites are found*** If, during the works, an object is found for which it is reasonable to suppose or be certain that it may be a monument or have a historical value, the Contractor is obliged to: a) immediately stop all the works which may damage and destroy the find; b) secure (using available means) the find and the site where it was found against destruction, damage, or theft; c) immediately notify the expert archaeologists (referred to in items 106 and 123) and the Engineer; d) take further protective actions, agreed with the expert archaeologists and the Engineer; e) facilitate and ensure that documentation activities, archaeological research, and other necessary activities can	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: preventively up to date, at least once a week and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of implementation of the required procedures. Verification of handing over the documents to the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month and each time condition circumstances arise	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		be carried out by the expert archaeologists and/or administrative bodies in charge of securing historical items; f) once the activities and research listed in clauses d) and e) are completed, the discovered movable monuments shall be passed to appropriate institutions indicated by the expert archaeologists and/or administrative bodies in charge of securing historical items (in accordance with applicable regulations and the content of the *Permit* referred to in item 106 clause c); g) in the case of immovable monuments, after the completion of the activities and research listed in clauses d) and e), one shall proceed in accordance with the guidelines set out for further management of the discovered historical items, agreed with the expert archaeologists and/or administrative bodies in charge of securing the historical items (in accordance with applicable regulations and the content of the *Permit* referred to in item 106 clause c).				
S.	***MEASURES CONCERNING RESTORATION OF NATURAL RESOURCES***					
108.	Protection of biotic nature	***Riparian planting *91E0 on the banks of the Nysa Kłodzka river*** On both banks of the Nysa Kłodzka river, on land belonging to the Investor, on the free land surfaces corresponding to the conditions of habitat for natural habitat *91E0 *Alluvial forests with Alnus glutinosa and Fraxinus excelsior*, an additional planting of trees and shrubs shall be made on the areas in a total of at least 0.55 ha. For planting, use only native species of trees and shrubs typical of the habitat *91E0 (including trees: alder, willow sallow, white willow, common aspen, white poplar, ash and shrubs: common bird cherry and hazel). Maintenance works (e.g. annual mowing of crop grasses, fencing of cultivation areas, use of repellents, or making up any losses) shall be carried out on the cultivations for at	*Task implementation area* (planting sites on the banks of the Nysa Kłodzka river)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		least 10 years. During the *Task implementation period*, the actions listed above (planting and maintenance works) shall be carried out under supervision of experts: botanist-phytosociologist and dendrologist (referred to in item 122), covering, inter alia: a) setting a precise time frame of the works; b) agreeing on detailed location of the plantings; c) agreeing on species mix and proportions of tree and shrub species planned to be planted; d) setting conditions of soil and seedlings preparation; e) agreeing on principles for plantings maintenance works; f) referring the results of the agreements listed above to the Engineer for approval; g) supervision over the performance of plantings as well as supervision over the maintenance of the performed plantings (by the end of the Defects Notification Period). The agreements referred to in clauses a-e should include requirements set out in the project documentation in this regard. The activities related to the performance of the planting referred to in this EMP item shall commence as soon as possible. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127.				

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
109.	Protection of biotic nature	***Forest cover planting on slopes of the Nysa Kłodzka river valley*** The trees and shrubs with the dendroflora composition similar to the composition of the existing stands occurring in the neighborhood of these areas (the dominant tree species are: beech, sycamore maple, linden, spruce, doping tree species include mountain ash, birch pendula, silver fir, european larch, maple, oak, wild cherry, elm, hornbeam and shrubs: common hazel, common bird cherry, viburnum colorful, buckthorn, red elderberr and in addition (on the forest edges): common and alpine rose, blackthorn, midland hawthorn) should be planted on both slopes of the valley of the Nysa Kłodzka river, in areas designated for afforestation on lands belonging to the Investor. The new afforestation on the left (i.e. southern) slope of the valley should cover the total area of at least 3.5 ha, while on the right (i.e. northern) slope an area of at least 0.55 ha. These areas shall form the extension of the existing forest complexes. Only native plant species, representative of the given habitat type shall be planted. Maintenance works (e.g. annual mowing of crop grasses, fencing of cultivation areas, use of repellents, or making up any losses) shall be carried out on the cultivations for at least 10 years. During the *Task implementation period*, the actions listed above (planting and maintenance works) shall be carried out under supervision of experts: botanist-phytosociologist and dendrologist (referred to in item 122), covering, inter alia: a) setting a precise time frame of the works; b) agreeing on detailed location of the plantings; c) agreeing on species mix and proportions of tree and shrub species planned to be planted; d) setting conditions of soil and seedlings preparation; e) agreeing on principles for plantings maintenance works;	*Task implementation area* (planting sites on slopes of the Nysa Kłodzka river valley)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		f) referring the results of the agreements listed above to the Engineer for approval; g) supervision over the performance of plantings as well as supervision over the maintenance of the performed plantings (by the end of the Defects Notification Period). The agreements referred to in clauses a-e should include requirements set out in the project documentation in this regard. The activities related to the performance of the planting referred to in this EMP item shall commence as soon as possible. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127.				
110.	Protection of biotic nature	***Forest cover planting of natural habitat *9180*** The patches of the habitat *9180 (slope forest) with a surface area of not less than 1 ha should be restored on the slope of the valley of the Nysa Kłodzka river above the existing natural habitat *9180 *Tilio-Acerion forests of slopes, screes and ravines* (on the slopes, directly adjacent to the patches of the abovementioned habitat). The composition of the new stand is to be consistent with the composition proper for the habitat *9180 (slope forest) - with the dominance of maple sycamore with addition of leaved lime, european ash, spruce, silver birch and shrubs: common hazel, common bird cherry, alpine rose, mountain ash, honeysuckle black. Only native plant species, representative of the given habitat type shall be planted. Maintenance works (e.g. annual mowing of crop grasses,	*Task implementation area* (planting sites of forest cover of natural habitat *9180)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		fencing of cultivation areas, use of repellents, or making up any losses) shall be carried out on the cultivations for at least 10 years. During the *Task implementation period*, the actions listed above (planting and maintenance works) shall be carried out under supervision of experts: botanist-phytosociologist and dendrologist (referred to in item 122), covering, inter alia: a) setting a precise time frame of the works; b) agreeing on detailed location of the plantings; c) agreeing on species mix and proportions of tree and shrub species planned to be planted; d) setting conditions of soil and seedlings preparation; e) agreeing on principles for plantings maintenance works; f) referring the results of the agreements listed above to the Engineer for approval; g) supervision over the performance of plantings as well as supervision over the maintenance of the performed plantings (by the end of the Defects Notification Period). The agreements referred to in clauses a-e should include requirements set out in the project documentation in this regard. The activities related to the performance of the planting referred to in this EMP item shall commence as soon as possible. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127.				

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
111.	Protection of biotic nature	***Forest cover planting along the new section of the municipal road Boboszów – Pisary*** The trees and shrubs should be planted on the area of at least 1.5 ha along the new section of municipal road Bo-boszów – Pisary (on both sides). The following native species of trees and shrubs should be planted on the slope below the road (i.e. from the side of the reservoir), along the belt with a width of 10-20 m (from km 0+100 to 1+200 of the road): a) trees species: sycamore, small-leaved linden; b) shrubs species: common rose, alpine rose, blackthorn, midland hawthorn, hazel, viburnum reef, buckthorn, elderberry, black elder. The shrubs should be planted, using the aforementioned in-digenous shrub species, on a slope above the road, along the strip with a width of 3-10 m (from km 0+000 to 0+900 of the road). Maintenance works (e.g. annual mowing of crop grasses, fencing of cultivation areas, use of repellents, or making up any losses) shall be carried out on the cultivations for at least 10 years. During the *Task implementation period*, the actions listed above (planting and maintenance works) shall be carried out under supervision of experts: botanist-phytosociologist and dendrologist (referred to in item 122), covering, inter alia: a) setting a precise time frame of the works; b) agreeing on detailed location of the plantings; c) agreeing on species mix and proportions of tree and shrub species planned to be planted; d) setting conditions of soil and seedlings preparation; e) agreeing on principles for plantings maintenance works; f) referring the results of the agreements listed above to the Engineer for approval; g) supervision over the performance of plantings as well	*Task implementation area* (planting sites along new section of the road Boboszów-Pisary)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		as supervision over the maintenance of the performed plantings (by the end of the Defects Notification Period). The agreements referred to in clauses a-e should include requirements set out in the project documentation in this regard. The activities related to the performance of the planting referred to in this EMP item shall commence as soon as possible. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127.				
112.	Protection of biotic nature	***Conditions for planting trees and shrubs referred to in item 108-111*** Specific projects of three and shrub planting, referred to in item 108-111 should be developed and performed under the direction of expert phytosociologist, dendrologist and chiropterologist (referred to in item 122), in consultation with the appropriate forest inspectorate. The results of the arrangements with the above mentioned experts-naturalists and the forestry management must be submitted to the approval of the Engineer. The newly formed vegetation should allow the flights of bats and ensure the functions of the ecological corridor of the Nysa Kłodzka. Plantings shall be made during the early spring or autumn within the duration of the Task. Seedlings must be protected against browsing by forest animals. It is necessary to provide supervision and annual checks of	*Task implementation area* (planting sites of trees and shrubs)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		performed plantings (for at least 10 years) and in case of loss – they should be replenished with new planting, in relation 1: 1 (one new planting for every single loss). Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.				
113.	Protection of biotic nature	***Mowing meadows in the area of the reservoir*** An extensive pasture and meadow management should be carried out on the territory of the reservoir. It is recommended to alternately mow the area intended for mowing: the first half of that area should be mowed in one year, and the second half in the next year. Mowing meadows shall be carried out in August, after grass flowering. Avoid low-mowing and seek to preserve the host plants large copper *Lycaena dispar* (species of sorrel *Rumex*: great water dock, curly dock, bitter dock, water dock, clustered dock, bloody dock and *Rumex patientia*). Do not allow the natural succession of meadows in the forest direction. During the *Task implementation period*, the actions listed above (i.e. mowing meadows) should be carried out under the supervision of an expert botanist-phytosociologist (referred to in item 122), including inter alia: a) setting a precise time frame of the works; b) agreeing on detailed location of actions; c) agreeing on detailed principles for mowing the meadows; d) referring the results of the agreements listed above to the Engineer for approval; e) supervision over the performance of the aforementioned actions (by the end of the Defects Notification Period). Activities related to mowing meadows, referred to in this	*Task implementation area* (sites of mowing meadows)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		item of EMP, should start as soon as possible to allow their implementation. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval.				
114.	Protection of biotic nature	***Installation of nest boxes for the white-throated dipper and grey wagtail*** One nest box suitable for nesting white-throated dipper *Cinclus cinclus* must be hanged under the two new bridges and under the bridge over the Nysa Kłodzka river on the national road No. 33 Kłodzko – Boboszów. In addition, 2 nesting boxes for grey wagtail *Motacilla cinerea* should be hanged under two successive bridges from the construction of the reservoir. In the case of construction of a retaining wall downstream the reservoir dam, it is necessary to hang the two additional boxes of a resistance type for white-throated dipper and grey wagtail, placing them at a distance of approx. 100 m from each other and from the nearest bridges, at the height of the upper edge of the wall not less than 0.3 m. The design of boxes and detailed locations of their hanging should be discussed with an expert ornithologist (referred to in item 122), and the results agreed shall be submitted to the Engineer for approval. Hanging the boxes should be done in consultation with and under supervision of the abovementioned expert ornithologist. During the *Task implementation period*, the Contractor shall provide annual cleaning and necessary maintenance of boxes (including their replacement in case of wear), conducted with the participation and under the supervision of the abovementioned expert ornithologist. After completion of the *Task implementation period* (i.e.	*Task implementation area* (places of hanging nest boxes for the white-throated dipper and grey wagtail)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		during the operation period) the annual cleaning and necessary maintenance of boxes (taking into account their replacement when worn), conducted with the participation and under supervision of an expert ornithologist, shall be provided by the Employer. Activities related to hanging the nest boxes for the white-throated dipper and grey wagtail referred to in this EMP item shall commence as soon as possible, in good time for them to be implemented. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.				
115.	Protection of biotic nature	***Installation of nest boxes for birds*** In the investment implementation period, close to the investment implementation site or in the investment implementation site (in the reservoir's basin, in the places where no construction works shall be conducted), in the location indicated by the ornithologist from nature supervision and in consultation with the chief forester competent for the area, the following number of nest boxes should be hung under supervision of the above mentioned ornithologist: a) nest box type A: 70 pcs, b) nesting box type A1: 40 pcs, c) nesting box type B: 89 pcs (incl. 9 for wryneck and 20 for nuthatch), d) nesting box for creeper: 20 pcs, e) semi-open nesting box for gray flycatcher: 30 pcs, f) semi-open nesting box for kestrel: 3 pcs, g) nesting box type D: 3 pcs. The results of agreements with an expert ornithologist and	*Task implementation area* ((places of hanging nest boxes for birds)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

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		the forest management superintendent as to location of the abovementioned boxes must be submitted to the Engineer for approval. Hanging the boxes should be done in consultation with and under supervision of the abovementioned expert ornithologist. During the *Task implementation period*, the contractor shall provide annual cleaning and necessary maintenance of boxes (including their replacement in case of wear), conducted with the participation and under the supervision of the abovementioned expert ornithologist. After completion of the *Task implementation period* (i.e. during the operation period) the annual cleaning and necessary maintenance of boxes (taking into account their replacement when worn), conducted with the participation and under supervision of an expert ornithologist, shall be provided by the Employer. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be transmitted in accordance with the conditions specified in item 127.				
116.	Protection of biotic nature	***Installation of nesting platforms for the black stork*** ***A replacement nest platform for the black stork Ciconia nigra shall be performed. The fitting of the platform shall be performed in the period of the investment's implementation. The platform is to be located within the limits of the separation 115p in Smreczyna Forest District. (precinct of Boboszów)*** The design and method of execution of the platform should be agreed with an expert ornithologist (referred to in item 122), and the results of the agreements shall be submitted to the Engineer for approval.	*Task implementation area* (installation site of black stork nesting platform)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date,	Visual monitoring, photographic documentation. Verification of the participation of the required experts.

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		The detailed location of the platform in the abovementioned forest separation should be agreed with the abovementioned expert ornithologist and appropriate forest management superintendent, and the results agreed shall be submitted to the Engineer for approval. The construction and installation of the platform should be done in consultation with and under the supervision of the abovementioned expert ornithologist. During the *Task implementation period*, the contractor shall provide annual checks of the platform condition beyond the breeding season of birds (including replacement or repair in case of wear) and annual inspections of platform settlement by birds during the breeding season, conducted with the participation and under the supervision of the abovementioned expert ornithologist. After completion of the *Task implementation period* (i.e. during the operation period) the annual checks and possible replacements or repairs of platforms, conducted with the participation and under the supervision of the abovementioned expert ornithologist, shall be provided by the Employer. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127.			at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
117.	Protection of biotic nature	***Installation of boxes for bats*** ***In the investment implementation period, close to the investment implementation site or in the investment implementation site (in the reservoir's basin, in the places where no construction works shall be conducted), in the location indicated by the chiropterologist chiropterologist from nature supervision team***	*Task implementation area* (places of hanging boxes for bats)	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Visual monitoring, photographic documentation. Verification of the participation and arrangements of the required experts. Verification of informing the Engineer.
				Engineer's	Period:	Visual monitoring, photographic

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		[referred to in item 122] and agreed with the competent forest management superintendent). These boxes should hang in 7 groups of 6 boxes. In each of the 7 groups 3 boxes shall be of *Issel* model and 3 boxes of *Stratmann* model. The results of the agreements with the abovementioned expert chiropterologist and the forest management superintendent on the location of boxes must be submitted to the Engineer for approval. Hanging the boxes should be done in consultation with and under supervision of the abovementioned expert chiropterologist. During the *Task implementation period*, the contractor shall provide annual cleaning and necessary maintenance of boxes (including their replacement in case of wear), conducted with the participation and under the supervision of the abovementioned expert chiropterologist. After completion of the *Task implementation period* (i.e. during the operation period) the annual checks and possible replacements or repairs of platforms, conducted with the participation and under the supervision of the abovementioned expert chiropterologist, shall be provided by the Employer. Prior to the commencement of the performance of the conditions set out in this EMP item, a detailed *Quality Assurance Plan* relating to the above-mentioned works shall be submitted to the Engineer for approval. Information on the implementation of this measure shall be trans mitted in accordance with the conditions specified in item 127 and 128. [see also item 118 clause 5c]		*team*	during the *Task implementation period* Frequency: up to date, at least once a month	documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
T.	***IMPLEMENTATION OF MEASURES SPECIFIED IN THE RDOŚ DECISION PERMITTING DEROGATION FROM PLANT AND ANIMAL SPECIES PROTECTION PROHIBITIONS***					
118.	Protection of biotic nature	***Implementation of the RDOŚ decision permitting derogation from plant and animal species protection prohibitions*** Below is the summary of conditions applicable in the event of specimens and nesting sites destruction of as well as in the event of startling and disturbance of protected plant and animal species, listed in *the decision of RDOŚ in Wrocław of March 5, 2019* in relations with the implementation of the Task 2A.1/1 Construction of Boboszów – a dry flood protection reservoir on the Nysa Kłodzka River (reference no. WPN.6400.6.2019MH and a decision of RDOŚ in Wrocław of March 5, 2019, changing the decision of RDOŚ in Wrocław no. WPN.6400.27.2018.IL of June 29, 2018 (reference no.: WPN.6400.27.2018.MH.1). The permits set out in the decision no. WPN.6400.6.2019.MH are valid till May 1, 2021. The permits specified in decision no WPN.6400.27.2018.MH.1 are valid within the term till December 31, 2020. 1) it is permitted to destroy nesting sites and specimens of 43 protected plants (mosses) listed in clause I of the above-mentioned decision no. WPN.6400.6.2019.MH (located on plots Nos: 59/1. 61/1, 61/11, Boboszów precinct), 393/2 Pisary precinct: 2) it is permitted to destroy habitats and specimens of 7 protected plants listed in the decisions (located on plots Nos.: 59/3, 61/11, 61/12, 64, 66/1, 69, 70/3, 81/2 Boboszów precinct and plots Nos.: 293/1, 294 Pisary precinct), on the following conditions: a 3) it is permitted to destroy habitats of 3 protected butterfly species listed in the above-mentioned decision no. WPN.6400.6.2019.MH.1 (located on the plot No. 66/1– Boboszów precinct),	*Task implementation area* (including plots Nos: nr 32, 53, 60, 63, 64, 67, 69, 77, 80216, 33/1, 33/2, 58/1, 58/3, 58/4, 59/1, 59/3, 59/4, 61/1, 61/2, 61/4, 61/7, 61/8, 61/9, 61/10, 61/11, 61/12, 62/1, 62/2, 62/3, 65/1, 65/2, 65/2, 66/1, 66/2, 66/3, 68/2, 68/3, 68/4, 70/3, 70/4, 78/1, 78/2, 81/2,81/5, 81/6, 81/7, 81/8, Boboszów precinct and on the plots nos. 259/2, 292/4, 292/5, 292/6, 293/1, 293/2, 294, 295/1, 295/2,	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of works schedules. On-going control of implementation of EMP conditions provided for in item 118 of Appendix 1 to EMP (in the manner laid down in the description of these items provided in this table).
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer. On-going monitoring of implementation of individual EMP conditions listed in item 118 of Appendix 1 to EMP (in the manner laid down in the description of these items provided in this table).

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		4) it is permitted to destroy habitats of 2 protected fish species listed in the above-mentioned decision no. WPN.6400.6.2019.MH.1 (located on the plot No. 69 – Boboszów precinct – riverbed of the Nysa Kłodzka river along the section with a length of 500 m), on the following conditions: a) observe works performance time frames in the riverbed of the Nysa Kłodzka river, described in item 46 of this table. 5) it is permitted to destroy habitats of 6 protected bat species listed in the decision no. WPN.6400.6.2019.MH.1 (located in the afforestation on the plot no. 63, 65/1, 65/2, 68/3, 68/4, 69, 70/3, 70/4, 81/5, 81/2, 81/7, 81/8 Boboszów precinct, in buildings intended for demolition located on plots Nos:. 59/1,59/3, 59/4, 81/2, 61/4, 61/11, 61/12, 63 Boboszów precinct and on the plot No. 306/2 Pisary precinct), on the following conditions: a) perform felling of trees with circumference at breast height exceeding 40 cm in a manner described in item 17 of this table; b) perform demolition of buildings in a manner described in item 34 of this table; c) perform activities aiming at restoration of bat refuges, as described in item 117 of this table. 6) it is permitted to destroy habitats, deliberately startle and disturb as well as deliberately relocate individuals of 8 protected mammal species listed in the decision no. WPN.6400.6.2019.MH.1 (located in the valley of the Nysa Kłodzka river, at the *Task implementation area*), on the following conditions: a) perform activities related to trapping and relocation of specimens of those species from the construction site, as described in item 37 and 40 of this table;	296/1, 296/2, 298, 299/1, 299/2, 306/10, 306/11, 306/2, 306/3, 306/8, 393/2, 46 Pisary precinct			

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		b) conduct the works under supervision of the expert teriologist, according to the conditions described in item 42 of this table. 7) it is permitted to destroy habitats as well as deliberately startle and disturb 17 protected bird species listed in the decision no. WPN.6400.6.2019.MH.1 (observed within the borders of the plots nos 61/1, 69, 81/7, 81/8, 77, 63, 65/1, 65/2, 61/4, 61/11, 61/12, 64, 66/1, 67, 61/2, 81/2, 81/6, 81/5, 62/1, 62/2, 62/3, 59/1, 59/3, 59/4, 53, 60, 32, 70/3, 70/4, 68/3, 68/4, 68/2, 216, 78/1, 78/2, 80 Boboszów precinct and on the plots no 296/1, 296/2, 295/1, 259/2, 299/1, 299/2, 292/4, 292/5, 292/6, 293/1, 293/2, 294, 298, 306/8, 306/2, 306/3, 306/10, 306/11 Pisary precinct), on the following conditions: a) observe works performance time frames described in item 27 of this table. 8) it is permitted to deliberately startle and disturb 4 protected bird species listed in the decision no. WPN.6400.6.2019.MH.1 (observed among others within the borders of the plots nos. 66/3, 66/2, 33/1, 33/2, 58/1, 58/3, 58/4, 61/7, 61/8, 61/9, 61/10, 69, 81/7, 81/8, 77, 63, 65/1, 65/2, 61/4, 61/11, 61/12, 64, 66/1, 67, 61/2, 81/2, 81/6, 81/5, 59/1, 59/3, 59/4, 62/1, 62/2, 62/3, 53, 60, 32, 70/3, 70/4, 68/3, 68/4, 68/2, 216, 78/1, 78/2, 80 Boboszów precinct the plots nos 296/1, 296/2, 295/1, 295/2, 306/8, 299/1, 292/4, 292/5, 292/6, 293/1, 293/2, 294, 298, 306/2, 306/3, 306/10, 306/11, 46 Pisary precinct), on the following conditions: a) observe works performance time frames described in item 27 and 28 of this table; b) observe the deadlines and conditions of work performance in the vicinity of the black stork nest, described in item 29 of this table. Information on the implementation of the conditions specified in clauses 1-8 (above) shall be submitted to the Engineer in accordance with the conditions set out in item 128.				

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
U. REQUIREMENTS CONCERNING VERIFICATION OF THE GEODETIC DIVISION APPLIED IN THE EMP						
119.	Protection of biotic nature, protection of water	***Verification of the geodetic division applied in the EMP*** References to precinct plots numbering provided in this appendix to the EMP refers to the geodetic division as of 2014-2015, as well as 2019 (concerns activities specified under the item 32, 33 and 118). Prior to commencement of implementation of measures in areas described in the EMP using cadastral plots numbers (see items 6, 15, 32, 33 and 118) one shall: a) identify current location of boundaries of the above-mentioned areas in reference to current geodetic division (and current plot numbering) contained in the current decision on permit for the implementation of the investment project issued for the Task; b) submit information on the results of the above-mentioned agreements to the Engineer for approval.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works, until the condition is met) Frequency: up to date, at least once a week	Verification of the progress of works on the arrangements in question and their conformity with the EMP requirements. Verification of informing the Engineer.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works, until the condition is met) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
V. REQUIREMENTS CONCERNING CONTRACTOR'S STAFF INVOLVED IN EMP IMPLEMENTATION						
120.	Implementation and reporting of EMP	***Training of Contractor's staff as regards of EMP implementation*** The Contractor is obliged to provide training to its management, engineers and technicians on the principles and manners of implementation of conditions of the EMP that – consistent with Appendix 1 and 2 to the EMP – are assigned to the Contractor. At the end of those trainings, tests should be carried out to check participants' knowledge. In monthly reports submitted to the Engineer, the Contractor shall provide information on its personnel's training level in the scope of EMP provisions in the current reporting period.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Checking if all persons working currently within the Contract have undergone the training and communicating the findings to the Site Manager.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Verification of information concerning training of the Contractor's staff that was handed over to the Engineer along with the Contractor's monthly reports. Random on-the-spot checks of understanding of the EMP provisions by the staff working currently within the Contract for the Contractor.
121.	Implementation and reporting of EMP	***Appointment of EMP co-ordinator in the Contractor's staff*** A person in charge of co-ordination and supervision of activities related to EMP implementation shall be appointed in the Contractor's staff. This person shall be responsible, among others, for: a) supervision over implementation of individual EMP conditions during various stages of Task implementation; b) regular monitoring of the implementation of individual conditions contained in Appendix 1 and 2 to the EMP in the *Task implementation area*; c) regular informing the Contractor's team management about duties stemming from the EMP at a given stage of works, as well as about any problems occurring in the scope of EMP implementation; d) collaboration with Contractor's remaining team members (including the team of environmental experts, team of archaeological experts and explosive ordnance disposal team, referred to in items 122, 123, and 124) in the scope of ensuring EMP implementation;	*Task implementation area*	*Engineer's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Check on the presence of a required person in the Contractor's team Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		e) reporting on EMP implementation (consistent with the principles given in items 126, 127 and 128); f) collaboration with persons in charge of EMP implementation in the Engineer's team and the Contractor's team. The person appointed to perform the above-mentioned functions is subject to Engineer's approval.				
122.	Implementation and reporting of EMP	***Ensuring a team of environmental experts*** Throughout the *Task implementation period*, the Contractor shall ensure participation of of a team of environmental experts, consisting of representatives of the following areas of specializations: a) botanist-phytosociologist (nesting sites and protected plant species); b) botanist-bryologist (mosses); c) dendrologist (principles of maintenance and protection of trees); d) zoologist – expert on invertebrates (protected invertebrate species [especially butterflies and beetles], macrozoobenthos); e) zoologist-ichthyologist (fishes); f) zoologist-herpetologist (amphibians and reptiles); g) zoologist-ornithologist (birds); h) zoologist-chiropterologist (bats); i) zoologist-teriologist (land mammals). Those experts shall be involved in performing chosen mitigation and monitoring measures specified in the EMP, in particular: a) mitigation measures listed in Appendix 1 to EMP in items: 6, 10, 13, 14, 15, 16, 17, 18, 22, 26, 29, 30, 31, 32, 34, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 53, 54, 58, 60, 61, 62, 63, 64, 67, 78, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 121, 122, 127 and 128; b) monitoring measures listed in Appendix 2 to the EMP in	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Check on the contribution of the environmental surveillance experts in the implementation of current mitigation measures and monitoring actions (within the scope of the current work phase) and communicating the conclusions to the Site Manager.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer. On-going inspections of fulfilling current obligations by the environmental surveillance experts within Contractor's personnel.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		items: 129, 130, 131, 132 and 133. The composition of the environment expert board is subject to Engineer's approval. One member of the environment expert board is entitled to represent at most two natural science areas of specializations listed above in clauses a–i. Involvement of the above-mentioned experts in other undertakings of the OVFMP project or in any other undertakings shall not restrict their availability for the benefit of this Task. Prior to the commencement of the works, the contractor shall submit to the Engineer for approval of the *Quality Assurance Plan* in the scope of the environment expert board's activities.				
123.	Implementation and reporting of EMP	***Ensuring a team of archaeological experts*** Throughout the *Task implementation period*, the Contractor shall ensure participation of a team of archeaological experts. Those experts shall be involved in performing chosen mitigation measures specified in the EMP (in particular as regards the activities listed in items 105, 106, and 107 in Appendix 1 to the EMP). Dependent upon actual needs, the team of expert archaeologists may consist of one or more persons having appropriate industry qualifications. The composition of the team of expert archaeologists is subject to the Engineer's approval. Involvement of the above-mentioned experts in other undertakings of the OVFMP project or in any other undertakings shall not restrict their availability for the benefit of this Task. Prior to the commencement of the works, the contractor shall submit to the Engineer for approval of the *Quality Assurance Plan* in the scope of the team of expert archaeologists' activities.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* Frequency: up to date, at least once a week	Check on the contribution of the archaeological experts in the implementation of current mitigation measures (within the scope of the current work phase) and communicating the conclusions to the Site Manager.
				Engineer's team	Period: during the *Task implementation period* Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer. On-going inspections of fulfilling current obligations by the archaeological experts within Contractor's personnel.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
124.	Implementation and reporting of EMP	***Ensuring an explosive ordnance disposal team*** Throughout the *Task implementation period*, the Contractor shall ensure participation of an explosive ordnance disposal team. Those experts shall be involved in performing chosen mitigation measures specified in the EMP (in particular as regards the activities listed in item 97 in Appendix 1 to the EMP). Dependent upon actual needs, the explosive ordnance disposal team may consist of one or more persons having appropriate industry qualifications. The composition of the explosive ordnance disposal team is subject to the Engineer's approval. Involvement of the above-mentioned experts in other undertakings of the OVFMP project or in any other undertakings shall not restrict their availability for the benefit of this task. Prior to the commencement of the works, the contractor shall submit to the Engineer for approval of the *Quality Assurance Plan* in the scope of the explosive ordnance disposal team's activities	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Check on the contribution of the explosive ordnance disposal team in the implementation of current mitigation measures (within the scope of the current work phase) and communicating the conclusions to the Site Manager.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer. On-going inspections of fulfilling current obligations by the explosive ordnance disposal team within Contractor's personnel.
125.	Implementation and reporting of EMP	***EMP implementation discussion during working meetings and Site Meetings*** During the *Task implementation period*, monthly meetings of PIU representatives, the Engineer and the Contractor shall take place, which will be dedicated to discussion and control of the implementation of the mitigation and monitoring measures specified in the EMP. Irrespective of the foregoing, current requirements and	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Verification of carrying out the meetings in question. Verification of discussing issues related to the implementation of EMP during Site Meetings. Communicating the findings to the Site Manager.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		problems related to EMP implementation shall be discussed during all Site Meetings.		*Engineer's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of carrying out the meetings in question. Verification of discussing issues related to the implementation of EMP during Site Meetings. Verification of documentation handed over from the Contractor to the Engineer.
W. REQUIREMENTS CONCERNING REPORTING OF EMP IMPLEMENTATION						
126.	Implementation and reporting of EMP	***Monthly reports on progress in EMP implementation*** During the *Task implementation period*, the Contractor shall submit to the Engineer monthly reports on the implementation of the conditions specified in the EMP (in a form of a checklist along with the necessary appendices, including the reports on the implementation of the environmental supervision). The template of the above-mentioned report (checklist) shall be prepared by the Contractor and submitted to the Engineer for approval. Depending on circumstances, the Engineer may demand from the Contractor additional reports on, inter alia, actual crisis situations, implementation of chosen EMP items, etc.	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Inspection of progress of preparation and handing over the required reports and information to the Engineer. Quality check of communicated reports and information.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.
127.	Implementation and reporting of EMP	***Providing information on the implementation of the conditions contained in items 13, 15, 16, 17, 22, 23, 34, 108, 109, 110, 111, 112, 114, 115, 116 and 117 PZŚ to RDOŚ in Wrocław*** Information on arrangements on the manner and scope of the measures performance, referred to in items 13 and 15,	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works)	Inspection of progress of preparation and handing over the required reports and information to the Engineer. Quality check of communicated reports and information.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		16, 17 and 34, 22 and 23, 114, 115-117, 108-111 and 112 (i.e. selected measures set out in the decision of the RDOŚ in Wrocław of February 27, 2015 and in the decision amending the aforementioned environmental decision , issued by GDOŚ of April 6, 2016, as well as of June 4, 2019 and documents confirming participation of experts (e.g. memorandum of understanding and expert's statement confirming proper performance of activities) shall be submitted to RDOŚ in Wrocław according to the following principles: a) during the *Task implementation period* (applies to all the above-mentioned measures): – The Contractor shall submit the above information to the Engineer within 30 days after the agreements, and within 30 days after completion of the agreements implementation; – The Engineer shall submit the above information to the Employer within 15 days after receipt of the above information from the Contractor; – The Employer shall submit the above information to RDOŚ in Wrocław within 15 days after receipt of the above information from the Engineer (e.g. keeping the 60-day's deadline for the submission of the above information to RDOŚ after the above agreements or after the completion of the agreements implementation. b) after completion of the *Task implementation period* (applies to the measures, referred to in item 114-117 and 108-112): – The Employer shall submit the above information to RDOŚ in Wroclaw within 60 days the agreements, and within 60 days after completion of the agreements implementation.			Frequency: up to date, at least once a week	
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
128.	Implementation and reporting of EMP	***Providing information on the implementation of the conditions contained in item 118 PZŚ to RDOŚ in Wrocław*** Information on the implementation of the conditions set out in item 118 (i.e. the conditions laid down in the decision of RDOŚ in Wroclaw dated on March 8, 2019 no. WPN.6400.6.2019.MH and WPN.6400.27.18.MH.1) in a given calendar year must be submitted to RDOŚ Wroclaw according to the following rules: a) within 2019-2020: for the decision no. WPN.6400.6.2019.MH): – The Contractor shall submit the above information to the Engineer not later than on December 15th of the given year; – The Engineer shall submit the above information to the Employer not later than on December 31st of the given year; – The Employer shall submit the above information to RDOŚ in Wrocław not later than on January 15th of the next year. b) in 2020 2021 (last information) (information for the decision no. WPN.6400.27.18.MH.1): – The Contractor shall submit the above information to the Engineer not later than on December 15, 2020; – The Engineer shall submit the above information to the Employer not later than on December 31, 2020; – The Employer shall submit the above information to RDOŚ in Wrocław not later than on January 15, 2021. c) in 2021 **(**last information for the decision no. WPN.6400.6.2019.MH): – The Contractor shall submit the above information to the Engineer not later than on April 15, 2021;	*Task implementation area*	*Contractor's team*	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a week	Inspection of progress of preparation and handing over the required reports and information to the Engineer. Quality check of communicated reports and information.
				Engineer's team	Period: during the *Task implementation period* (among others before commencement of works and during works) Frequency: up to date, at least once a month	Verification of documentation handed over from the Contractor to the Engineer.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		– The Engineer shall submit the above information to the Employer not later than on April 30, 2021; – The Employer shall submit the above information to RDOŚ in Wrocław not later than on May 15, 2021. –				
X.	***REQUIREMENTS RELATING TO THE IMPLEMENTATION OF ENVIRONMENTAL MONITORING***					
129.	Protection of biotic nature	***Monitoring of the state of plantings of trees and shrubs referred to in items 108–112 of Appendix 1 to the EMP*** Monitor the state of the plantings over a period of at least 10 years following planting of trees and shrubs referred to in items 108–112 of Appendix 1 to the EMP. Results of monitoring in a given calendar year should be reported (photographic documentation and text) to RDOŚ in Wrocław in line with the following principles: a) during the Task implementation period: – the Contractor shall submit the above-mentioned report to the Engineer by December 15th each year; – the Engineer shall submit the above-mentioned report to the Employer by December 31st each year; – the Employer shall submit the above-mentioned report to the RDOŚ in Wrocław by January 15th of the next year; b) after the Task implementation period: – the Employer shall submit the above-mentioned report to the RDOŚ in Wrocław by January 15th of the next year;	*Task implementation area* (sites of plantings of trees and shrubs referred to in items 108–112 of Appendix 1 to the EMP)	Contractor	Period: during the *Task implementation period* (after specific plantings) Frequency: up to date, at least once a year	The monitoring shall include assessment of the state of the plantings, determination of the need and scope of any corrective actions, and implementation of these actions (if necessary). The monitoring should involve all areas where plantings were carried out. The monitoring should be performed by the experts, phytosociologist and dendrologist (referred to in item 122 of the Appendix 1 to the EMP) and according to methods specified in the State Environment Monitoring for a given type of habitat.
				Employer	Period: after the *Task implementation period* Frequency: up to date, at least once a year	Similarly to Contractor's monitoring.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
130.	Protection of biotic nature	***Monitoring of the condition of bird nest boxes referred to in items 114 and 115 of Appendix 1 to the EMP*** Over a period of at least 10 years following hanging of bird nest boxes referred to in items 114 and 115 of Appendix 1 of the EMP, inspect their condition annually, clean, repair, and replace, if necessary (as per the conditions specified in items 114 and 115 of Appendix 1 of the EMP). Results of inspections in a given calendar year should be compiled in a written form (photographic documentation and text). Information about inspection results and information about implementation of post-inspection arrangements shall be submitted to the RDOŚ in Wrocław as per the following principles: a) during the Task implementation period: – The Contractor shall submit the above-mentioned information to the Engineer within 30 days after completion the of an inspection and within 30 days after completion of implementation of the post-inspection arrangements; – the Engineer shall submit the above-mentioned information to the Employer within 15 days after obtaining the above-mentioned information from the Contractor; – the Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 15 days following receipt of the above-mentioned information from the Engineer (i.e. within 60 days after the inspection has been completed or after implementation of implementation of the post-inspection arrangements). b) after the Task implementation period: – The Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 60 days after completion of an inspection and within 60 days after completion of implementation of the post-inspection arrangements.	*Task implementation area* (sites for location of nest boxes for birds, as described in items 114 and 115 of Appendix 1 to the EMP)	Contractor	For a period of minimum 10 years from the year of hanging individual boxes, but not longer than till the end of the *Task implementation period*. Inspections of boxes for their technical condition, cleaning and possible repairs must be carried out within time frames arranged with the expert ornithologist (referred to in item 122 of Appendix 1 to the EMP).	The monitoring shall include assessment of the condition of individual bird nest boxes (referred to in items 114 and 115 of Appendix 1 to the EMP) and cleaning after the breeding season. If necessary repair or replace. The monitoring should be carried out by the expert ornithologist (referred to in item 122 of the Appendix 1 to the EMP). Follow the principles specified below when improvement of box condition is necessary: – limit box maintenance to repairs by improvement of integrity and replacement of missing elements (do not use any chemicals during maintenance, and removal of faeces. – in the case of serious damage or destruction of a box, replace it with a new one.
				Employer	For a period of minimum 10 years from the moment of hanging individual boxes, excluding years in which the monitoring is carried out by the Contractor (if such situation takes place). Inspections of boxes for their technical condition, cleaning and possible repairs must be carried out within time frames arranged with the expert ornithologist.	Similarly to Contractor's monitoring.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
131.	Protection of biotic nature	***Monitoring of occupancy and condition of the nest platform for the black stork referred to in item 116 of the Appendix 1 to the EMP*** Over a period of at least 10 years following installation of the nest platform for the black stork referred to in item 116 of Appendix 1 of the EMP, inspect it annually for occupancy during the breeding season, check its condition, and repair, and replace, if necessary (as per the conditions specified in item 116 of Appendix 1 of the EMP), two inspections a year in total. Results of inspections in a given calendar year should be compiled in a written form (photographic documentation and text). Information about inspection results and information about implementation of post-inspection arrangements shall be submitted to the RDOŚ in Wrocław as per the following principles: a) during the Task implementation period: – The Contractor shall submit the above-mentioned information to the Engineer within 30 days after completion the of an inspection and within 30 days after completion of implementation of the post-inspection arrangements; – the Engineer shall submit the above-mentioned information to the Employer within 15 days after obtaining	*Task implementation area* (site of location of the nest platform for the black stork, as described in item 116 of Appendix 1 to the EMP)	Contractor	For a period of minimum 10 years from the year of hanging of the nest platform, but not longer than till the end of the *Task implementation period*. Inspections of the nest platform for its occupancy by birds should be carried out during the breeding season (within time frame arranged with the expert ornithologist referred to in item 122 of Appendix 1 to the EMP). Inspections of the nest platform for its technical condition and possible repairs must be carried out outside the breeding season (within time frames arranged with the expert ornithologist).	The monitoring shall include assessment of the occupancy of the nest platform for the black stork (referred to in item 116 of Appendix 1 to the EMP) during the breeding period and inspection of its condition after the breeding season. If necessary repair or replace. The monitoring should be carried out by the expert ornithologist (referred to in item 122 of the Appendix 1 to the EMP).

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
		the above-mentioned information from the Contractor; – the Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 15 days following receipt of the above-mentioned information from the Engineer (i.e. within 60 days after the inspection has been completed or after implementation of implementation of the post-inspection arrangements). b) after the Task implementation period: – The Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 60 days after completion of an inspection and within 60 days after completion of implementation of the post-inspection arrangements.		Employer	For a period of minimum 10 years from the year of hanging of the nest platform, excluding years in which the monitoring is carried out by the Contractor (if such situation takes place). Inspections of the nest platform for its occupancy by birds should be carried out during the breeding season (within time frame arranged with the expert ornithologist. Inspections of the nest platform for its technical condition and possible repairs must be carried out outside the breeding season (within time frames arranged with the expert ornithologist).	Similarly to Contractor's monitoring.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
132.	Protection of biotic nature	***Monitoring of the condition of bat boxes referred to in item 117 of Appendix 1 to the EMP*** Over a period of at least 10 years following hanging of the bat boxes referred to in item 117 of Appendix 1 of the EMP, inspect their condition annually, clean, repair, and replace, if necessary (as per the conditions specified in item 117 of Appendix 1 of the EMP). Results of inspections in a given calendar year should be compiled in a written form (photographic documentation and text). Information about inspection results and information about implementation of post-inspection arrangements shall be submitted to the RDOŚ in Wrocław as per the following principles: a) during the Task implementation period: – The Contractor shall submit the above-mentioned information to the Engineer within 30 days after completion the of an inspection and within 30 days after completion of implementation of the post-inspection arrangements; – the Engineer shall submit the above-mentioned information to the Employer within 15 days after obtaining the above-mentioned information from the Contractor; – the Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 15 days following receipt of the above-mentioned information from the Engineer (i.e. within 60 days after the inspection has been completed or after implementation of implementation of the post-inspection arrangements). b) after the Task implementation period: – The Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 60 days after completion of an inspection and within 60 days after completion of implementation of the post-inspection arrangements.	*Task implementation area* (sites for location of hanging bat boxes, as described in item 117 of Appendix 1 to the EMP)	Contractor	For a period of minimum 10 years from the year of hanging individual bat boxes, but not longer than till the end of the *Task implementation period*. Inspections of bat boxes for their technical condition, cleaning and possible repairs must be carried out within time frames arranged with the expert chiropterologist (referred to in item 122 of Appendix 1 to the EMP).	The monitoring shall include assessment of the condition of individual bat boxes (referred to in item 117 of Appendix 1 to the EMP) and cleaning. If necessary repair or replace. Follow the principles specified below when improvement of box condition is necessary: – limit box maintenance to repairs by improvement of integrity and replacement of missing elements (do not use any chemicals during maintenance, and removal of faeces. – in the case of serious damage or destruction of a box, replace it with a new one.
				Employer	For a period of minimum 10 years from the moment of hanging individual bat boxes, excluding years in which the monitoring is carried out by the Contractor (if such situation takes place). Inspections of bat boxes for their technical condition, cleaning and possible repairs must be carried out within time frames arranged with the expert chiropterologist.	Similarly to Contractor's monitoring.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
133.	Protection of biotic nature	***Monitoring of effectiveness of functioning of a tunnel under the body of reservoir dam as a corridor for fish migration*** After completion of the construction of the reservoir, it is required to inspect the effectiveness of functioning of the tunnel for carrying water of the Nysa Kłodnicka under the body of the dam, as a corridor through which the fish fauna moves (upstream and downstream). Information about inspection results and information about implementation of post-inspection arrangements shall be submitted to the RDOŚ in Wrocław as per the following principles: a) during the Task implementation period: – The Contractor shall submit the above-mentioned information to the Engineer within 30 days after completion the of an inspection and within 30 days after completion of implementation of the post-inspection arrangements; – the Engineer shall submit the above-mentioned information to the Employer within 15 days after obtaining the above-mentioned information from the Contractor; – the Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 15 days following receipt of the above-mentioned information from the Engineer (i.e. within 60 days after the inspection has been completed or after implementation of implementation of the post-inspection arrangements). b) after the Task implementation period: – The Employer shall submit the above-mentioned information to the RDOŚ in Wrocław within 60 days after completion of an inspection and within 60 days after completion of implementation of the post-inspection arrangements.	*Task implementation area* (the tunnel under the reservoir dam)	Contractor	During the *Task implementation period*: – the first inspection shall be conducted immediately after the reservoir dam is constructed; – the second inspection shall be carried out during the next fish spawning season (but not later than by the end of the Defects Notification Period).	The monitoring shall involve inspection of the effectiveness of the tunnel for Nysa Kłodnicka water flow below the reservoir dam body as a corridor for bidirectional migration of fish (upstream and downstream). The monitoring should be performed by the expert ichthyologist (referred to in item 122 of the Appendix 1 to the EMP) and according to factual requirements for this type of activity as arranged with the RDOŚ in Wrocław. Should any irregularities be found that hinder fish movement or otherwise obstruct fish migration possibilities, remove them immediately.
				Employer	After the *Task implementation period*: – during the next fish spawning season (unless performed by the Contractor during the Defects Notification Period).	Similarly to Contractor's monitoring.

Item	Issue	Subject of monitoring	Place of monitoring	Responsible entity	Monitoring period and frequency	Method of monitoring
134.	Protection of biotic nature	***Implementation of monitoring measures*** Implementation of monitoring measures set up in the environmental conditions decision dated December 18th, 2015, listed in items 129–133 in Appendix 2 of the EMP, during the term of the Contract.	*Task implementation area* (places of implementation of the monitoring measures referred to in items 129-133)	*Contractor's team*	Period: In periods given in this column in items 129-133 (in terms of monitoring measures assigned to the Contractor) Frequency: up to date, at least once a week	Visual monitoring, photographic documentation Verification of the participation and arrangements of the required experts. Quality check and monitoring deadlines for required reports.
				Engineer's team	Period: In periods given in this column in items 129-133 (in terms of monitoring measures assigned to the Contractor) Frequency: up to date, at least once a month	Visual monitoring, photographic documentation. Verification of the participation of the required experts. Verification of documentation handed over from the Contractor to the Engineer.