

Annex 7. „ODRA-VISTULA” FLOOD MANAGMENT PROJECT – List of priority investments as of March 2015)

Sign	TASKS
1A.1	Chlewice-Porzecze. Backwater embankment of Odra River at Myśla River.
1A.2	Flood Protection of Ognica Village.
1A.3	Osinów - Łubnica. Modernisation of inter-embankment.
1A.4	Flood protection of Radziszewo and Daleszewo Villages on Odra River at 726+400-727+960 km
1A.5	<p>Modernisation of the Marwicki Polder.</p> <p>Stage 1 - Krajnik - Marwice. Modernization of flood embankment on East Odra River at 712+100 - 708+862 km</p> <p>Stage 2 - Mniszki - Gryfino. Modernization of flood embankment on East Odra River at 720+935 - 718+850 km</p> <p>Stage 3 - Modernisation of the Krajnik Pump Station</p>
1A.6	Restoring natural values of the Lower Odra Valley by improving retention and flood protection capacities of Międzyodrze

Sign	TASKS
1B.1	Repair and modernization of regulatory infrastructure on the free-flowing Odra - reconstruction and modernization of regulatory infrastructure - in order to adapt section of Odra from Malczyce to the estuary of Nysa Łużycka to class III waterway.
1B.2	<p>Modernization works on Boundary Sections of Odra River.</p> <p>Stage 1: Modernization works on boundary sections of Odra River to provide good conditions for ice-breaking in winter</p> <p>Stage 2: Reconstruction of river control infrastructure on boundary sections of Odra River</p>
1B.3	<p>Construction of Docking-mooring Infrastructure.</p> <p>Stage 1 - Construction of docking-mooring base for ice-breakers</p> <p>Stage 2 - Construction of docking-mooring infrastructure on Lower Odra and on its boundary sections and new marking of the shipping lane</p>
1B.4	Improvement of flood water-flow from Dąbie Lake in winter.
1B.5	Dredging of Klucz-Ustowo ditch
1B.6	<p>Reconstruction of Bridges to Ensure a Minimum Clearance</p> <p>Stage I Bridges on the section managed by RWMA in Szczecin</p> <p>Stage II Bridges on the section of the River managed by RWMA in Wrocław</p>

Sign	TASKS
1B.7	<p>Flood protection of Nowa Sól and below Krosno Odrzańskie`</p> <p>Stage I – Nowa Sól-Pleszówek. Construction of a left-side embankments of the Odra river on km 429.85-432.40 and embankments of the Czarna Struga river at km 0+000-3+330</p> <p>Stage II – Nowa Sól-Pleszówek. Construction of a draining pump station with modernization of existing embankments on Czarna Struga River</p> <p>Stage III Wężyska - Chlebowo. Construction of a left-side flood embankment on Odra River at km 528.6 ÷ 532.0</p>
1C.1	Flood protection of Słubice City. Extension and Construction of Flood Embankments.
1C.2	Flood protection of Słubice City. Reconstruction of Czarny Kanał and Racza Struga
2A.1	Construction of "Boboszów" - a dry flood control reservoir on Nysa Kłodzka River
2A.2	Construction of "Roztoki Bystrzyckie" - a dry flood control reservoir on Goworówka stream
2A.3	Construction of "Szalejów Górny" - a dry flood control reservoir on Bystrzyca Dusznicka River
2A.4	Construction of "Krosnowice" - a dry flood control reservoir on Duna stream
2B.1	Flood Protection of Nysa Kłodzka River Valley
2B.2	Flood Protection of Ścinawka River Valley
2B.3	Flood Protection of Biała Łądecka River Valley and Morawka River

Sign	TASKS
2B.4	Flood Protection of Bystrzyca Dusznicka River Valley and Kamienny Potok River
3A.1	<p>Finishing reconstruction of flood embankments on the Vistula River in Cracow:</p> <p>Section 1 – left-hand side embankment from Wanda bridge to Przewóz barrage together with backwater embankments of the Dłubnia river</p> <p>Section 2 – left-hand side embankment of the Vistula river from Przewóz barrage to Suchy Jar</p>
3A.2	<p>Finishing reconstruction of flood embankments of the Vistula River in Cracow</p> <p>Section 3 – right-hand side embankment of the Vistula river from Dąbie barrage to Przewóz barrage</p>
3A.3	Increase flood protection in Serafa Valley in the city of Cracow and in the city of Wieliczka: Stage II Serafa 2 retention reservoir, dam at chainage 9+223 km, Stage III Malinówka 1 retention reservoir, dam at chainage 0+220 km, Stage IV Malinówka 2 retention reservoir, dam at chainage 2+320 km, Stage V Malinówka 3 retention reservoir, dam at chainage 3+017 km
3B.1	Flood protection within estuary section of Aramentówka, construction of new pump station “Koćmierzów” and gravity lock Koćmierzów, and a water discharge channel carrying water from Aramentówka to the pump station
3B.2	Flood protection within Struga A watercourse together with reconstruction and expansion of “Nadbrzezie” pump station
3B.3	Expansion of perimeter embankment securing Huta Szkła and housing estate in the city of Sandomierz against flood waters
3B.4	Securing embankments of Koprzywianka river - left-hand side embankment on km 0+000 – 12+900, right-hand side embankment on km 0+000 – 14+400

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3B.5	Construction of water pump station in the city of Szewce
3B.6	Expansion of water pump station in the city of Zajeziorko
3B.7	Vistula Stage 2 – expansion of the right-hand side embankment of the Vistula river on 13,959 km section, right-hand side embankment of the San river on 2,193 km section, and left-hand side embankment of the Łęg river on 0,112 km section on the territory of Gorzyce and Radomyśl on the San river, podkarpackie Voivodeship
3C.1	Raba Sub-basin Passive and Active Protection. Dry Polders and other Structures Phase I – Phase I
3C.2	Raba Sub-basin Passive and Active Protection. Dry Polders and other Structures Phase I – Phase II
3D.1	San, Wisłoka and Dunajec Sub-basins Passive and Active Protection. Dry Polders and other Structures Phase I
3D.2	San, Wisłoka and Dunajec Sub-basins Passive and Active Protection. Dry Polders and other Structures Phase II
4.1.1	Modernization and expansion of the network of telemetric weather monitoring stations for the needs of hydrological forecasting and modeling
4.1.2	Modernization and expansion of the monitoring and forecasting system to enhance the hydro meteorological flood protection of the coastal areas
4.1.3a	Modernization of the POLRAD weather radar network to increase the effectiveness of the hydrological models

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4.1.3b	Modernization of the POLRAD weather radar network to increase the effectiveness of the hydrological models
4.1.4	A nowcasting and ultra-short-term forecasting model
4.1.5	Update and modernization of the Hydrology System, including the development of training and simulation application and infrastructure as well as the purchase of computer hardware, together with software, for the needs of the other tasks
4.1.6	Modernization and development of an integrated hydrological and hydraulic modeling system as part of the national hydrological monitoring system
4.1.7	The concept and development of a flash flood early warning system
4.2.1	OPERATIONAL CENTER - WROCLAW
4.2.2	OPERATIONAL CENTER - KRAKOW
5.1	PCU Monitoring and evaluation of project impact Supervision of EMP, RAP and Procurement
5.2	Design and Construction Supervision for works, Project Management, Technical Assistance and Training Technical Support for the Project and Strengthening of PIU's Institutional Capacity.
5.3	Design and Construction Supervision for works, Project Management, Technical Assistance and Training Technical Support for the Project and Strengthening of PIU's Institutional Capacity.
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5.5	Technical Assistance and Training Technical Support for the Project and Strengthening of

Sign	TASKS
	IMGW's Institutional Capacity
5.6	Master Plan Upper Vistula up to Cracow
5.7	Master Plan for Tributaries of Upper Vistula
5.8	Master Plan for Bóbr with Kwisa Rivers
5.9	Other Documents
5.10	Other Studies