

Content of the Terms of Reference for EIA study

ISPA 2005 RO 16 P PA 002.01 "TECHNICAL ASSISTANCE FOR THE IMPROVEMENT OF THE NAVIGATION CONDITIONS ON THE ROMANIAN – BULGARIAN COMMON SECTOR OF THE "DANUBE AND ACOMPANYING STUDIES

The EIA Report will be prepared according with G.D. 1213 / 2006 provisions, regarding the assignation of the stages of the EIA framework procedure for certain public and private projects and OM nr. 863 / 2002 for approval the methodological guidelines applicable to the stages of the EIA framework procedure, shall respect the content and structure of the legal requirements and will detailed analyse the following aspects:

- the physical characteristics of the investment project and the requirements of the arrangement and use of the field during the execution and operation stages;
- the main characteristics of the work procedure, the raw material used estimation, its type, the source and the assurance mode of the necessary quantity for the project accomplishment;
- specification of the wastes produced during works and after completion, the management and disposal mode;
- identification of the restricted areas where is not allowed to locate objectives related with the project, both permanent and temporary as: site organization, production bases and identification of the areas where its location is allowed;
- estimation, depending of the type and quality of the residuum and potential emissions (water, air, soil pollution, noise, vibrations, light, heat, radiations, etc.) as resulted of the proposed project development;
- the studied alternatives, including „0” alternative and the justification of the proposed variant choice from the environmental protection point of view;
- Identification and characterization of the pollutant sources for each environmental factor;
- description of the significant potential impact on environmental components (population, fauna, flora, soil, water, air, climatic factors, goods, archaeological and architectural patrimony, landscape and relation between all these factors) due to the proposed works;

- description of the significant effects (directly, indirectly, secondary, cumulative, temporary, permanent, positive, negative), both, during the construction and operation, that the proposed project may have on the environment;
- impact of the bank protections and riverbed training works on the ecosystems, natural habitats, human settlements etc, including the cumulative impact;
- risk of the accidents or pollutions during the construction and subsequent, with significant impact on environment and prevention measures;
- morphological evolution of the disposal locations for the dredged material;
- impact on the air due to the pollutants resulted from the equipment operation during the construction and possible sedimentable dusts;
- identification of the sanitary protection areas and perimeters; it will describe and assess the impact of the project on these.
- description of the impact in case of hydrological and hydro-geological changes, through the modification of the watercourse dynamics during the construction and after the location of the works on the watercourse;
- relation of the investment project with other plans / programs / projects / activities existing or proposed and analyze the cumulative effect of the project with them;
- description of the measures envisaged to prevent, reduce and, if possible, compensation for any adverse effects on the environment, on environmental components and the reasons for the measures chosen in terms of effectiveness;
- specifying of the used data sources;
- analysis of the impact dimension, duration, reversibility, viability and effectiveness of the measures to improve each alternative of the project and on each component of the environment;
- Presentation of the environmental monitoring program both during construction and thereafter, indicating the environmental components to be monitored, periodicity the parameters and the site chosen for monitoring each factor;
- Non-technical summary of the provided information in the fields mentioned above, which will include:

- ✓ description of the activity, avoiding the use of technical terms and scientific explanations;
- ✓ methodologies used in environmental impact assessment and if there are significant uncertainties about the project and its effects on the environment;
- ✓ the forecasted impact on the environment;
- ✓ identification and description of the area in which the impact is felt;
- ✓ the mitigation measures of the impact structured on environmental components;
- ✓ major conclusions resulted from environmental impact assessment;
- ✓ forecast on the quality of life / standard of living and on social conditions in communities affected by the impact;
- ✓ listing, as appropriate, other permits, agreements obtained;
- ✓ Presenting any difficulties (technical deficiencies or lack of professional knowledge) encountered by the developer in the project synthesizing information required

Biodiversity

The impact Study on biodiversity will have to address all issues concerning biodiversity along the Danube, and establish impact on:

- a. all the natural protected areas in this sector: areas of national and community interest (Natura 2000);
- b. habitats and species of flora and fauna which have been designated the Natura 2000 sites;
- c. other natural areas that currently do not benefit from legal protection, but which is habitat for species protected at national, community, international level (e.g. – neutral islets)

We recommend that in the study, the impact to be identified as follows:

- directly and indirectly; short and long term; in all phases of construction and operation, with isolated and cumulative effects, which act on the integrity of all the protected natural areas along the Danube and its vicinity, taking into account the structure, ecological functions and conservation objectives. Also, it is necessary to present the methodology for assessing the impact of the investment on biodiversity.

Other information on biodiversity:

Information on the location of biotopes (forests, paludal, wetlands, bodies of surface water), habitats, species of flora and fauna, migratory routes, areas nest:

It will be identified the maximum distance before they will feel the impact produced by objective to reduce or eliminate the possible negative effects on natural areas in the neighbourhood;

It will be identified and described the possible fragmentation of the habitats along the route of the project and measures to mitigate / compensate of the effects in these cases;

It will be identified and assessed the possible impact that the project has on the protected natural areas / Natura 2000 in the vicinity of the project (habitats and species which for areas / sites have been designated) individually and together with other projects approved or in proceeding regulations and whose cumulative effect is unlikely to affect significantly protected areas or their neighbourhoods taking into account **the structure, ecological functions and objectives of environmental conservation;**

It will be identified the appropriate measures to reduce or eliminate the adverse effect on natural protected areas / Natura 2000. In this respect it must:

- be **listed all the measures** identified and which will be used to reduce the negative effects on biodiversity;
- **be explained how** the measures to reduce the impact of proposed will **reduce negative impacts on species and habitats that have been designated protected areas / Natura 2000;**

For all the above mentioned aspects will be analysed also the compliance with the requirements of the Water Framework Directive 2000/60/EC, transposed by Law 107/1996 as amended and supplemented by Law 310/2004.