


	Project title		Environmental Impact Assessment for the Metsovitikos Dam and Hydroelectric Plant					
Name of legal entity	Country	Overall project value (EUR)	Proportion carried out by candidate (%)	No of staff provided	Name of client	Origin of funding	Dates (start/end)	Name of partner(s) [if any]
EPSILON	Greece	44.020,54	100%	4	Public Power Corporation of Greece	Public Power Corporation of Greece	1995 - 1996	TH. KANELOS
Detailed description of project						Type of services provided		
 <p>The development aims to the reregulation and hydropower exploitation of AooS Springs HEPP discharge and the energy retrieval of part of Metsovitikos river discharge. The scheme allows the exploitation of a waterfall, 110m from AooS Springs exit tunnel, to the upper level operation of Steno – Kalaritiko HEPP. The project includes:</p> <ul style="list-style-type: none"> • Construction of main dam and flood diversion dam for the development of a reservoir in a section of the riverbed. • Penstock system. • Tailrace flowing into 5km downstream the reservoir. <p>Environmental impacts</p> <ul style="list-style-type: none"> • Soil erosion and slope instability. • Morphological changes. • Selection of extraction and disposal sites. • Change of river flow regime. • Influence to riparian vegetation and impacts on wildlife. • Local income growth. • Waste water pollution from construction sites and leakages from the station. • Annoyance due to dust and noise emissions. <p>Mitigation measures</p> <ul style="list-style-type: none"> • Recovery of extraction and construction sites. • Rehabilitation of material disposal sites. • Provision of a minimum discharge in the river downstream the dam and regulation of flow regime. • Reconstruction of irrigation channel in Siolades region and increase of water supply to 40lt/sec. • Rational project planning and on-time construction of roads leading to construction, sediment extraction and disposal sites. • Monitoring of the system operation in order to comply with existing laws and regulations regarding noise levels, aerial emissions and waste disposal. 						<ul style="list-style-type: none"> • Environmental Impact Assessment <p><u>Main environmental issues:</u> Construction activities, excavation works, revegetation of disturbed areas, proper disposal of excavated and dredged material, minimum/reserved flow, wildlife impact, landuse.</p>		