

TECHNICAL REVIEW OF CERNAVODA NPP SPENT FUEL DRY STORAGE

(ROM/4/023) B1 New

MODEL PROJECT

CORE FINANCING

YEAR	Experts		Group Activity	Equipment	Fellowships		Scientific Visits		Group Training	Sub-Contracts	Misc. Comp.	TOTAL
	m/d	US \$	US \$	US \$	m/d	US \$	m/d	US \$	US \$	US \$	US \$	US \$
1999	1/0	14,700	0	0	6/0	20,700	2/0	21,600	0	0	0	57,000
2000	1/15	23,175	0	0	3/0	10,800	0/0	0	0	0	0	33,975

First Year Approved: 1999

OBJECTIVES: To develop a technical solution for the intermediate storage of spent fuel from Cernavoda NPP and the development of an improved concept for low and intermediate level waste storage.

BACKGROUND: Cernavoda NPP produces approximately 100 tonnes per year of spent fuel, which has to be stored in an interim storage facility (ISF), expected to be operational by 2003. Preliminary studies have been carried out but there is still no technical solution for the ISF, not only for spent fuel but also for low and intermediate level radioactive waste from the plant. The project is an extension of ROM/9/014 and ROM/4/020 and intends to produce recommendations for the design of the facility, providing technical data for the safety analysis report.

PROJECT PLAN: The project will be conducted by RENEL, the national electricity authority, with a responsible focal point in each of the technical support institutions involved. These Government technical support organizations (CITON, INR and Pitesti) will assist RENEL. CITON will develop technologies for spent fuel and radioactive waste management, safety analysis, heat transfer and shielding calculations, for which INR and Pitesti will provide scientific support.

NATIONAL COMMITMENT: Staff, facilities and computer codes from CITON and INR; management staff of RENEL.

AGENCY INPUT: Expert advice and training.

PROJECT IMPACT: The project will have a considerable impact on the operational safety of the Cernavoda NPP and for the public information programme of RENEL.