

Ser No.	Project Title	Overall Objectives	Funding needs from phase VII (US \$)
04-02-00001	TRANSMISSION LINES	To build 1179 km of 132 kV and 33 kV lines, rehabilitate 1675 km of existing 132 kV and 33 kV lines and restore 140 km of 132 kV lines to their original design voltage	10
04-02-00002	SUBSTATIONS	To build/rehabilitate 70 substations in the three Northern Governorates	25
04-02-00003	DISTRIBUTION NETWORK REHABILITATION PROGRAMME	To build 2551 km of new distribution lines and to rehabilitate 6275 km of existing distribution lines	20
04-02-00004	EMERGENCY POWER SUPPLY	To secure a reliable power supply for Akra and other regions capable of providing power to the essential services on a 24 hours per day basis	24
04-02-00005	RECONNECTION	To reconnect the governorates of Erbil and Suleimaniyah to the power national grid	5
04-02-00006	OPGW	To provide the network with shielding from lightning strike, a loss resistance path for earth fault currents and a communication system	2.00
04-02-00007	MINI AND MICRO HYDRO SCHEMES	To provide the necessary technical input to gather as much data as possible to allow the future development of a number of smaller hydro power plants in the north.	5.00
04-02-00008	SYSTEM MANAGEMENT	To establish a system control center to manage the load flow around the network and training.	10.0
04-02-00009	TESTING FACILITIES & TESTING AND CALIBRATION LABORATORY	To establish suitable training facilities for each electricity authority and a joint testing and calibration laboratory	10.0