

ANNEX

DEFINITION OF THE PREK THNOT (CAMBODIA) POWER AND IRRIGATION DEVELOPMENT PROJECT

The Project consists of the first stage development of power and irrigation on the Prek Thnot River in Cambodia. It is to be carried out over a construction period of approximately three-and-a-half years, at an estimated total cost of the equivalent of US\$27,000,000 of which US\$18,000,000 is the estimated requirement in foreign exchange. It will include the following:

1. An earth and rockfill regulation dam will be constructed at a point approximately 70 kilometers from Phnom Penh. The storage dam will have a total crest length of about 10 kilometers. The main section will rise 28.5 meters above the river bed; elevation of the embankment crest (with parapet) will be 63.25 meters. It is estimated that construction can be completed in three years.

The dam will create a reservoir of an ultimate net capacity of approximately 980 million cubic meters and a reservoir surface area of approximately 195 square kilometers. A 350-meter ungated concrete spillway with a capacity of 4,400 cubic meters a second will be provided.

2. A power station housing two 9 mW turbo-generators will be located at the foot of the dam to provide an estimated annual output of 50 million kWh in mean years and 28 million kWh in dry years. It is estimated that construction can be completed in three-and-a-half years.

3. A diversion weir will be constructed approximately 12 kilometers downstream from the storage dam. It is estimated that construction of the diversion weir can be completed in two years.

4. An irrigation system to provide water for approximately 5,000 hectares will be provided on the left bank of the river in the area traversed by the Phnom Penh Sihanoukville highway, which it is estimated can be completed in two years.

5. A transmission line will be constructed from the power station to the nearest point on the transmission line between Kirirom and Phnom Penh, and the existing substation in Phnom Penh will be expanded.