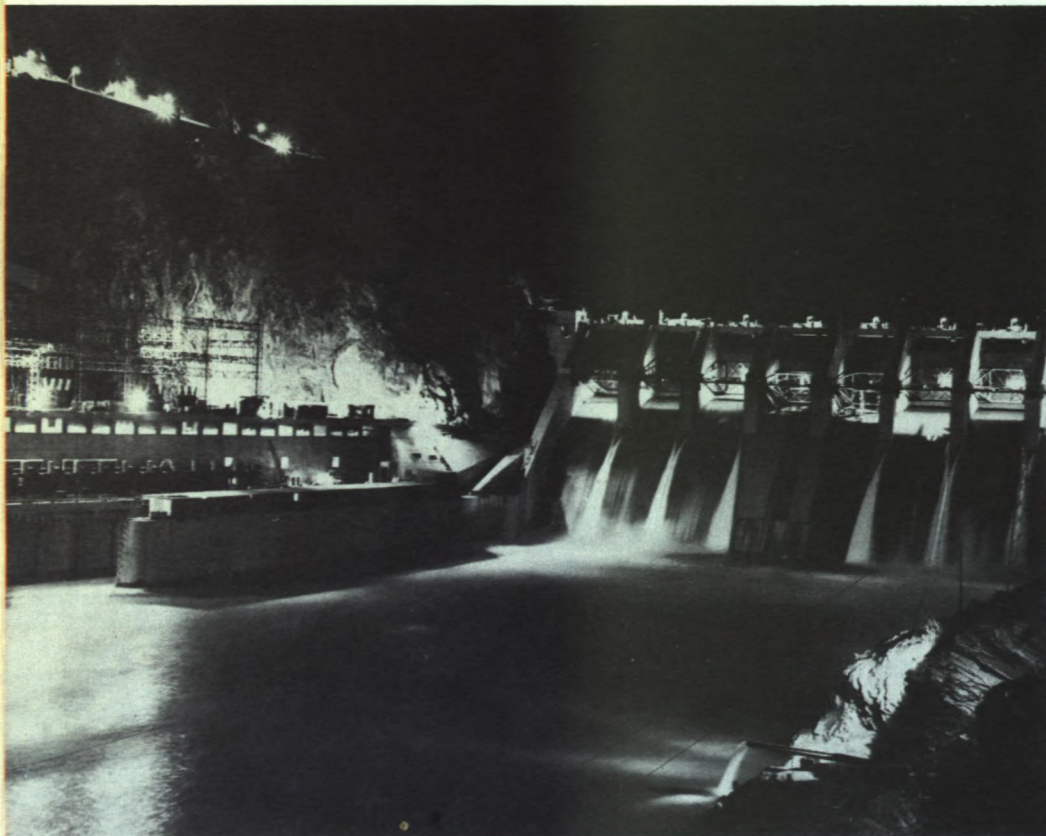




A Canadian engineer, with his Pakistani tribesman assistant, at the site of the Hydro Electric Project at Warsak, Pakistan.

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Warsak—Inaugurated early this year, the Warsak Project is the largest contribution Canada has made so far in this field, costing some \$37 million. Pakistan made a contribution of roughly the same amount in local costs. Warsak is located on the Kabul River near the famous Khyber Pass and in some of the most difficult terrain known anywhere. The Warsak dam represents a major achievement of engineering skill, since many unique problems had to be solved. The rock conditions made the driving of the 37 foot diameter and 1,700 foot long diversion tunnel extremely difficult. The fluctuation of the river flow is such that construction of the dam in the river bed was restricted to approximately seven months of the year, with the result that the designing of the dam and coffer dams presented many problems and required the introduction of techniques not commonly used in Canada. Besides providing electric power to north-west Pakistan and the surrounding districts, it is expected that the diversion tunnel will channel sufficient water to irrigate approximately 100,000 acres of arid flatland in the Peshawar plains.



The Warsak Dam, under floodlights, on the Kabul River in Pakistan.

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