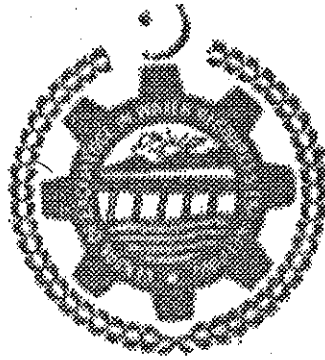


THESIS

STUDY OF RIVER TRAINING WORKS REQUIRED FOR SUI GAS  
PIPELINE CROSSING OVER SUTLEJ RIVER



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## ABSTRACT

With the increasing use of the spurs in the river training the designing of the spurs heads has attained an immense importance. Three high pressures gas pipelines of 12", 18", and 30" diameters are crossing river Sutlej near Bahawalpur. To safeguard against the damage to the pipelines, Sui Gas Department has constructed protective works including MRC (main river closure bund). This serious threat to pipelines was averted in 1974 by training the river across the neck of the bend by providing a bund in the main river and constructing a T - Spur as a permanent work forwarding off the river from the pipelines.

The Experimental Procedures were adopted for determining an optimal and economical design of a scheme of training works for the protection of the main Sui Gas Pipelines embedded, in the Khadir of River Sutlej. For arriving at amicable solution of the problem, numbers of trials on the model with different options were tested.

So inclusive results extracted from the model efforts have been compared qualitatively to opt the most suitable and economical design of training works suiting to the field conditions. So the scheme evolved as the best for execution in the field conditions is found as Test No. 7.