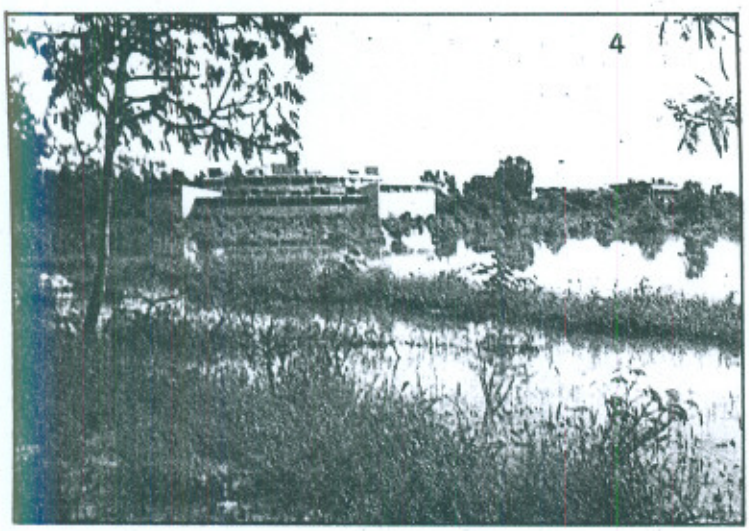
65TH ANNUAL SESSION

SYMPOSIUM ON FLOOD MANAGEMENT IN PAKISTAN









PAKISTAN ENGINEERING CONGRESS

VOLUME 23 July, 1994 LAHORE

COVER PICTORIAL

Picture No. 1

A view of Toa Nullah at the end of Stage-II of Chashma Right Bank Canani in D.I. Khan showing flooding beyond its banks.

Picture No. 2

A view showing the plight of Gomal University Campus Roads, in D.I. Khan.

Picture No. 4

A view showing submergence of Buildings in the Gomal University Campus, in D.I. Khan.

Picture No. 3

A view of the Serence Life at Gomal University Campus in D.I. Khan disturbed by Floods



Gomal University Campus inundated during the Floods of April, 1992

SYMPOSIUM

ON

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KEY NOTE ADDRESS

ON

FLOOD MANAGEMENT IN PAKISTAN

BY

ENGR. E.I. JOHRI

Floods are a recurring tragedy in Pakistan. Over half a dozen severe floods were encountered in the last forty years and every flood caused severe damage to human life, agriculture, industry, livestock and infrastructure, specially to irrigation and rail road networks.

It is a challenge to Pakistani engineers and planners to build a sound flood management and safety system so as to avoid colossal damage to life and property caused by frequent floods in the country. In view of the importance of the subject, Pakistan Engineering Congress decided to hold this important seminar. Following seven papers would be read in this Seminar.

1. Floods in Indus Basin, their Control and Management.
   by Mr. Riaz ul Haq

This paper gives an overview of historic discharge data and discusses prevention and control of floods.

2. "Management of 1992 Flood through Mangla Reservoir"
   by M/s M. Afzal & Abdul Ghani

This paper says that flood was quite effectively managed by following the prescribed flood management procedures and safety requirements.

3. On the Study of 1992 Floods and its Effects on Punjab
   by Syed Ali Rizwan & Mr. Faiz Ahmad Chishti

This paper gives reasons for the 1992 floods. Possible flood management measures are indicated.

4. The Role of Marginal Bunds in Flood Fighting - A Case study of cutting of marginal bunds during Floods of 1992 at Trimmu & Punjnad Headworks.
   by M/s B.A. Shahid & A.S. Shakir

This paper analyses the flood behaviour at Trimmu and Punjnad Headworks and suggests proper management of floods.

5. Paper on Floods and Roads in Indus Basin
   by Mr. E.I. Johri

This paper suggests designing roads in such a way that floods could pass safely without damaging the roads.

6. The paper on Flood Frequency Analysis at some typical discharge measuring sites of Pakistani rivers.
   by Syed Ali Rizwan

provides flood frequency study on different rivers and suggests analysis of critical sites for hydraulic structures

7. Flood Forecasting & Warning Problems in Pakistan
   by Mr. Abdul Majeed

This paper explains present system, the shortcomings in flood forecasting and improvements needed in flood warning system

After day long discussions and deliberations the Pakistan Engineering Congress proposes to send recommendations and suggestions to the Government of Pakistan for further consideration and for taking steps to control the floods and to minimize the losses caused by floods in the country.