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PREFACE

Ever since the inception of Pakistan Engineering Congress in 1912, 521 Technical Papers have been presented at its Annual Session. Besides, 217 papers were read at various Seminars and symposia on different topics. Congress has the privilege of owning some of the original and rare research and design papers which are in high demand not only at the national level but also at the International level. In 1986 US AID got reprinted 39 Papers in four volumes on Irrigation and Drainage, selected from the proceedings of the Congress and distributed through out Pakistan to Irrigation Engineers.

Each year 8 to 16 papers are presented at the Annual Session and about 8 papers at the Symposium. In order to encourage the authors of good papers, Congress Medal was initiated in year 1917 to be awarded to the best paper presented at the annual session. Kennedy Medal was constituted in 1918 for the best paper in the field of Irrigation and Drainage. Dr. Mubashar Medal was started in 1974 for the best paper presented at the annual Symposia. Uptill now 52 papers have been awarded these Gold Medals.

In view of the rich technical material contained in these gold medal papers, the Executive Council of 64th Session considered it expedient and befitting to print all these papers in an abridged form in one volume for the benefit of the posterity. Engineer Ch. Mazhar Ali was, therefore, requested to arrange summaries of these papers which he has done in a commendable manner.

For the first time this volume containing summaries of 52 Gold Medal papers is being presented to the readers on the eve of the 64th Annual Session. It is hoped that the readers would find the volume useful and interesting. The valuable comments and suggestions of the readers would help the Congress to further improve the presentation.

I am extremely thankful to Ch. Mazhar Ali for the excellent work done in preparing the summaries and to the President and the Executive Council for permission to print them. Mr. Sher Mohammad Admn. Officer of the Congress also deserves my thanks for proof reading of composed matter.

(Engr. Dr. Izhar-ul-Haq)
Secretary

