



West Pakistan Engineering Congress

PROCEEDINGS

1958

Vol : 42

Part I

OFFICE BEARERS AND COUNCIL

for

1957-58

PRESIDENT

Mr. M. M. Zubair, P.R.S.E,

VICE-PRESIDENTS

Mr. Ghulam Sadiq Khan, P.S.E.I.

Mr. Mir Bashir Khan, P.S.E.I.

Mr. Mohammad Inam Ullah Khan, I.S.E.

Mr. A. M. Malik, P.S.E.I.

Mr. A. H. Qureshi,

Mr. S. A. Rahim.

OFFICE BEARERS

Mr. H. J. Asar, P.S.E.I.	...	(Honorary Secretary).
Mr. Salim Ullah Khan,	...	(Hony. Joint Secretary).
Mr. M. H. Trimzi, P.S.E.I.	...	(Hony. Publicity Manager).
{Dr. Mushtaq Ahmed, Hydraulic Officer...	...	(Hony. Treasurer),
{Syed Muhammad Ayub, P.S.E.I.	...	
Syed Mehdi Shah, P.S.E.I.	...	(Hon. Business Manager).
Mr. A. R. Qureshi, P.S.E.I.	...	(Hony. Auditor)

MEMBERS OF THE COUNCIL

Mian Abdul Aziz, P.S.E.I.

Mr. A. G. Shaikh, S.S.E.I.

Mr. Sarwar Jan Khan, P.S.E.I.

Mr. Muhammad Said Khan, P.S.E.I.

Mr. Saeed Ahmad, P.S.E.I.

Mr. A. A. Jamal-ud-Din, P.S.E.I.

Mr. A. R. Zubair, P.S.E.I.

Mr. Sayyid Hamid, P.S.E.I.

Mr. Ikram Ullah Khan, P.S.E.I.

Sardar Allah Bakhsh, P.S.E.I.

Mr. M. A. Wahidi, P.R.S.E.

Names of past Presidents

- 1912-13. The Hon'ble Sir H. P. Burt, K.C.I.E.
1913-14. The Hon'ble Sir H. P. Burt, K.C.I.E.
1914-15. The Hon'ble Col. R. S. Maclagan, C.B., C.I.E.
1915-16. The Hon'ble Col. R. S. Maclagan, C.B., C.S.I.
1916-17. Colonel S. L. Craster, C.I.E.
1917-18. The Hon'ble Mr. D. W. Aikman, C.I.E.
1918-19. Mr. F. W. Woods.
1919-20. Mr. A. S. Montgomery.
1920-21. Mr. H. M. Ives.
1921-22. Mr. F. A. Bates.
1922-23. Mr. F. A. Hadow.
1923-24. Sir Ganga Ram, C.I.E., M.V.O.
1924-25. Mr. E. R. Foy.
1925-26. Lt. Col. H. E. C. Cowie, R.E.
1926-27. Mr. A. R. Astbury.
1927-28. Mr. R. P. Hadow.
1928-29. Colonel C. Walton, D.S.O., R.E.
1929-30. Mr. W. S. Dorman.
1930-31. Mr. F. C. Pavry.
1931-32. Mr. J. B. G. Smith, C.I.E.
1932-33. R. B. W. C. Chopra.
1933-34. Lt. Col. W. Macrae, R.E.
1934-35. R. B. M. S. Dhody.
1935-36. Mr. D. Macfarlane.
1936-37. Mr. J. D. H. Bedford.
1937-38. R. B. B. N. Singh.
1938-39. Mr. D. A. Howell.
1939-40. R. B. B. P. Varma.
1940-41. Mr. R. Trevor Jones, M.C.
1941-42. Mr. A. St. G. Lyster.
1942-43. Sir William Roberts, C.I.E.
1943-44. Sir Arthur Griffin, Kt., O.B.E.
1944-45. Mr. F. F. Haigh, G.I.E.
1945-46. Mr. A. M. R. Montagu, C.I.E.
1946-47. R. B. D. K. Khanna.
1949-51. K. B. M. A. Hamid.
1951-52. Khan Mohammad Azam.
1952-54. Mr. K. A. Ghafoor.
1954-55. Qazi Zahur Hussain.
1955-56. Mr. A. D. Ashraf.
1956-57. Khan Mohammad Inamullah Khan.
1957-58. Mr. M. M. Zubair.

CONTENTS

PAPER No.	PAGE
328.	
"Use of Pre-concreted Reinforcement in slabs" by Khan Mohammad Azam Khan I.S.E.	1—10
329.	
"The Phenomena of Losses and Gains in the Indus River System" by Mr. S. S. Kirmani, B. E. (Hons), A.M. ASCE.	11—38
330.	
"Working the Right Bays of Balloki Barrage" by Messrs Ahmad Tariq and Sarfraz K. Malik.	39—58
331.	
"Lessons from the Failure of Tando Masti Khan Fall" by Mr. Abdul Latif Mirza P.S.E.I.	59—74
332.	
"Regirdering Ravi Bridge at Abdul Hakim" by Mir Ghulam Sarwar	75—87
333.	
"The Planning and Design of Modern Stadiums" by Mr. Mohammad Ashraf. B. Sc. (Eng) Honours London, A.M.I. Strut. E. London, P.S.E. I.	87—159
334.	
"Training of River Loops and Currents on Head Works" by S. Allah Bakhsh Khan	159—185
335.	
"A study of Thermal Properties of some of the Locally Available Building Materials to Improve the Summer Comfort in Residential Buildings" by Khan Mohammad Azam Khan and Syed Irshad Hussain	185—202