

THE PUNJAB ENGINEERING CONGRESS.

Instructions for preparation of diagrams to accompany papers.

All drawings should be submitted in actual size for reproduction ; the limit of size is $7\frac{1}{2}$ inches in height and 5 inches in length. Those limits should on no account be exceeded.

All drawings should be in one colour only. In addition to a complete drawing a tracing on the mat side (not the glossy side) of the clothbut without any lettering or printing should also be sent. The lettering will be arranged by the Honorary Secretary.

These tracings should be in good black ink (Pelican Waterproof ink is recommended) and should be rolled, not folded.

The salient points of a diagram are more easily appreciated if there is little printing on it. Accordingly the explanations should be given in the text and not on the diagram and all dimensions that are not essential should be omitted.

The number of plates of drawings to be submitted with each paper should not exceed six, unless the Council agree to allow an increase in any special case.

PUNJAB ENGINEERING CONGRESS.

LIST OF PAPERS IN ANNUAL PROCEEDINGS.

* M * indicates that the paper was awarded the Congress Medal.

Serial
number

VOLUME I—1913. (OUT OF PRINT).

1. Grain Elevators and their application to the Punjab Wheat Transport Problem.—Victor Bayley.
2. The formation of land by rivers and torrents in the Punjab.—A. J. Wadley.
3. Auxiliary Reservoirs for Irrigation in the Punjab.—C.E. Blaker.
4. Dams and Storage Reservoirs.—F. W. Schonemann.
5. Concrete Work in Loco Shops, Lahore.—J. A. Bell.
6. Reinforced Concrete Pile Foundation in the West Beyne Bridge.—E. A. C. Lister.
7. The Mechanical Equipment of Irrigation Works.—John Ashford.

VOLUME II—1914. (OUT OF PRINT).

8. The Hindustan-Tibet Road.—A. R. Astbury.
9. The Development of Canal Falls for the Production of Artificial Fertilizers.—Captain B. C. Battye.
10. Tube Wells.—T. A. Miller Brownlie.
11. The Design of Canal Head Work.—F. W. Schonemann.
12. Maintenance of Marala Weir.—Cecil A. Colyer.
13. Duty of Distributaries in Sandy Soils.—F. Marshal Purves.
14. Notes on Some Works on the Upper Swat Canal.—A. J. Wadley.
15. Some Notes on the Results of River Training in the Punjab —F. J. Harvey.
16. Notes on the New Road Bridge over the River Ravi at Lahore —D. Macfarlane.
17. Open Fireplaces in Bungalows.—F. W. Martin.

Serial
number

VOLUME III.—1915 (OUT OF PRINT).

Se
num

18. The Construction of a Double Track Girder Bridge across the Jumna River on the North Western Railway between Kalanour and Sarsawa.—A. I. Sleigh.
19. Reinforced Concrete Platforms for Carriage Washing at Lahore Station—Captain E. P. Anderson, R.E.
20. Research and Investigation Section for the Public Works Department—Cecil A. Colyer.
21. Temperature Experiments at Lahore.—W. S. Dorman.
22. Water-proofing Operations on the Jhang Branch of the Lower Chenab Canal during 1913-14—T. A. Curry.
23. Some Practical Mathematics of Canal Works.—A. J. Wadley.
24. The Training Works on the Sutlej at Rupar.—H.W. Nicholson.

VOLUME IV.—1916.

25. The Testing of Bridges.—H. S. Sales.
26. Notes on Efflorescence on Buildings and Structures together with the means of Combating.—C.S. Waite.
27. River Training Works and Diversion of the Sutlej near Bahawalpur.—J. Harford.
28. Distributary Head and other Canal Diversion Works.—A.S. Gibb.
29. The Design of Head Regulators of Irrigation Distributaries. F. W. Schonemann.
30. Distributary Offtakes in relation to Silt Conditions.—F.V. Elsdon.

M.5
5.
5.
5.

VOLUME V—1917.

31. The Absorption Losses of Punjab Irrigation Canals.—F.W. Schonemann.
- M. 32. Lining Irrigation Channels.—T. A. Curry.
33. The Namel Dam.—Lahna Singh.
34. Sialkot Water Supply.—E. S. Heard.
35. Surface Drainage Schemes in the Punjab.—Amar Nath Nanda.
36. Canal Outlets.—B. P. Varma.

55
56
57

Serial
number

VOLUME VI—1918. (OUT OF PRINT).

37. The Extension of American Cotton Cultivation under irrigation in the Western Punjab and Sindh.—W. Roberts.
38. The Sub-soil Water Table under the Tract irrigated by the Lower Chenab Canal.—C.G. May.
39. Water-supply from Tube Wells.—T.A. Miller Brownlie.
40. Notes on Tube Wells.—John Ashford.
41. Exclusion of Heavy Silt from Channels by Vaned Pitching.—H. W. King.
42. Reinforced Concrete Siphons on the Lower Swat Canal.—F. H. Burkitt.
43. The Distribution of Canal water with special reference to Outlets.—J. O. Waterhouse.
44. Alignment Charts—A. C. Paddy.

VOLUME VII—1919.

45. Highways in the Punjab, Past and Future.—W. S. Dorman.
46. Mechanical Filter Installations at Jammu.—P. G. Dani.
47. Remodelling Inundation Canals in the Muzaffargarh District.—G. W. Duthy.
48. Discharge Observations.—W.B. Harvey.
49. Regime Channels.—E. S. Lindley.
50. Project for providing the Punjab with a Cheap Supply of Electric Power.—P. W. Milne.
- M.51. Experiments on Broad-crested Weirs.—F. H. Burkitt.
52. Water-logging.—Iqbal Hussain.
53. Reinforced Concrete Tanks.—R. A. Wallace.
54. An Investigation and Research Institute for the Public Works Department.—F. A. Carne.

VOLUME VIII—1920.

55. Liquid Fuel Installation at Kotri, North Western Railway.—N. Pearce.
56. Railway Water Supplies.—C. B. Barrie.
57. Tube Well in Borstal Central Jail Gardens at Lahore.—W. S. Dorman.

Serial
number.

58. Shortening the Alexandra Bridge over the Chenab River near Wazirabad.—F. C. Pavry.
59. Ferro-Concrete Well Curbs and Roadway Slabs used on the Chenab Bridge.—A. R. B. Armstrong.
60. Kharif Channels.—T. M. Bostock.
61. The Design of Regulators for Distributaries.—W. P. Thompson.
62. Silt Vanes.—H. W. King.
63. Wet Soils and their Behavior under Loads.—Iqbal Hussian.
64. Grades and Curves on Hill Roads.—A. R. B. Armstrong.
- M. 65. A few Aspects of the Punjab Road Transport Problem.—K. G. Mitchell.

VOLUME IX—1921.

66. A Description of the Erection and Operation of Sliding Form in Grain Elevator Construction.—Major J. K. Wyman, R.E.
67. Drains on the Lower Chenab Canal.—W. P. Thompson.
- M. 68. Water-logging from Irrigation Canals in Alluvial Soil.—F. V. Elsdon.

VOLUME X.—1922.

- M. 69. The Design and Construction of Light Suspension Bridge.—A. St. G. Lyster.
70. Aerial Ropeways.—Major F. N. Budden, R.E.
71. Supply of Road Metal in the Punjab.—G. T. Pound.
72. Sub-soil Water in the Punjab Plains.—J. H. T. Middleton.
73. The Electrical Equipment of the North Western Railway Power Station and Workshops of Moghalpura.—K. Preston.
74. The Use of Mud in Building Construction.—D. Macfarlane.
75. Water-supply Improvements.—E. Cathrow.
76. Notes on Exhibit of Road Transport Vehicles and other Plant.—W. S. Dorman.

Serial
number.

VOLUME XI.—1923.

- ab River
ed on the
es.—W. P.
Hussian.
mstrong.
Problem.—
77. Some Problems of High Voltage Transmission in the Lower Himalayas.—Lt. Col., B. C. Battye.
78. Percolation and Absorption of Water in the Soil.—B. H. Wilsdon.
79. Notes on Cracks in Buildings in Dera Ghazi Khan.—J. H. Johnston.
M. 80. Application of Modules in Irrigation.—E. S. Lindley.
81. Notes on Locating of a Burst Main.—W. E. Buchanan.
82. Notes on the Rusting of Steel in Contact with Lime Mortar.—A. R. Astbury.

VOLUME XII.—1924.

- liding Form
yman, R.E.
ompson.
vial Soil.—
83. Tests carried out on Sand from the Sutlej River and Punjab Portland Cement—A. N. M. Robertson and A. Weighall.
84. Temporary Quarters. No. 1 Divison, Khyber Railway.—Major E. P. Anderson, D.S.O., R.E.
85. Notes on the Design of Girder-bridge Abutments for Broad gauge (5'—6") Tracks.—N. G. Watson.
M. 86. Economic Railway Construction.—Major E. P. Anderson D.S.O., R.E.
87. Some Aspects of Track Maintenance and Permanent-Way of the North-Western Railway.—N. G. Watson.
88. Low Fall Hydro-Electric Power Installations.—Major J Ashford.
89. Discharge Curves and a Slide-Rule.—E.S. Lindley.
90. Notes on Aerial Photographs of Canal Works.—E.S. Lindley.
- ion Bridge.—

VOLUME XIII—1925.

- Pound.
Middleton.
stern Railway
—K. Preston
. Macfarlane.
es and other
91. Draglines and the Development of the Single Bucket Excavator.—R. Hackney.
92. Some Experiences with Dragline Excavator.—R. P. Hadow.
93. The Construction of the Road Bridges over the Chenab and Palkhu at Wazirabad.—W. S. Dorman.
M. 94. Analysis of partly stiffened Suspension Bridges. Type 2F.—J. Halcro Johnston.

Serial
number.Se
nun

95. Transportation of Silt by Flowing Water.—P. Claxton.
 96. Principles of Design for Proportionate Flumes at Heads of Channels.—Prabh Singh.
 97. Canal Falls and their Uses as Meters.—E. S. Lindley.

VOLUME XIV—1926.

98. The Sub-soil Water Table and Methods for its Investigation.—B. H. Wilsdon.
 99. A descriptive note on the North Western Railway Creosoting Plan at Dhilwan—Wazir Singh Aggarwal.
 100. The Relativity of Navigation and Engineering Science.—P. Claxton.
 101. Design of Canals.—Mohammad Ibrahim.
 M. 102.—Concrete Lining of the Gang (Bikaner) Canal.—C. E. Jeffris.
 103. Weirs and Headworks on the Sutlej Valley Project and some connected problems.—E. R. Foy.
 104. The Construction of the Rawalpindi City Water-supply Extension Scheme.—J. A. R. Bromage.
 105. The Metering of Water-supplies.—W. E. Buchanan.

VOLUME XV—1927.

106. Modern Road Construction.—G.T. Pound.
 107. Note on Organization of the Government School of Engineering, Punjab, Rasul—C. E. Blaker.
 108. Interlocked Adjustable Module in Precast and Reinforced Concrete Units.—A.N. Khosla.
 109. Note on Outlets and Adjustable Proportional Modules.—J. D. H. Bedford.
 M. 110. Report on Flume Experiments on Sirhind Canal.—A. G. C. Fane.
 111. The Broad-crested Weir Meter.—C. A. Colyer.
 112. The Principles of Design of a Dissipator below a Wall—C. A. Colyer.
 113. Portland Cement.—Campbell Gray.
 114. Report on Tensile Tests of Various Mortars.—C. E. Blaker.

M. I

1

1

1

1

1

1

1

Serial
number.

VOLUME XVI—1928.

115. Cheap Feeder Railways of 5 feet 6 inches Gauge.
Bahawalnagar Cholistan Railway.—T. N. Kunzru.
116. Experiences with Diesel Dragline Excavator.—J. D. H.
Bedford.
117. The Sudan Public Works Department.—D. Macfarlane.
118. Water-supplies to Towns in Canal Colonies.—J.A.R. Bromage
119. Inundation Canal Practice.—P. Claxton.
120. Reinforced Concrete Bridges on the Sirhind Canal.—
A. G. C. Fane.
121. Reinforced-Concrete Trough Construction.—A.N. Khosla.
122. The Future of Communications in the Punjab—Major H. L.
Woodhouse.
123. Bituminous Road Constructions.—W. S. Dorman.
124. The treatment of water-logged or threatened areas by changes
in distribution and supply of irrigation water.—B. H.
Wilsdon.

VOLUME XVII—1929. (OUT OF PRINT).

- M. 125. Headless Canal Meters—F. H. Burkitt, O.E.E.
126. Energy of Flowing water Critical Flow and Standing Waves
—A. M. R. Montagu.
127. Extension of the Training Works at the Jammu Bridge near
Kalanaur.—D. C. Verma.
128. Scientific Distribution of Canal Water and the Use of Auto-
adjusting Distributors.—Radha Krishna Khanna.
129. The Tube-well Practice of the Public Health Circle, P.W.D.
Punjab,—D. A. Howell.
130. Punjab Timbers and Methods of Extraction.—H. M. Glover.
131. Locomotive and Drinking Water-supply on the North-Wes-
tern Railway.—J. Vardon.
132. The Purchase of Cement for Government Works.—A. R.
Astbury.

Serial number	VOLUME XVIII—1930.	Serial numb
133.	Construction Plant and Methods used on the Uhl River Hydro-Electric Project.—Col. B. C. Battye, R.E.	1
134.	Hydraulic Observation of the Shyok Flood of 1929—J. P. Gunn.	1
135.	Erosion in the Punjab Himalyas and its probable effect on water-supplies.—L. B. Holland and H. M. Glover.	1
136.	The Survey and Construction of the Kangra Valley Railway.—Captain R. D. Waghorn.	M. 1
137.	Earth Roads.—S.G. Stubbs.	
M. 138.	Hydraulic Gradients in Sub-soil water flow in relation to Stability of Structures resting on Saturated Soils.—A. N. Khosla.	1
139.	Some interesting Tube-wells on the N. W. Railway—J. Vardon.	1
140.	Exponential Law of Sub-soil flow.—Dr. N. K. Bose.	1
141.	Energy Losses over Long Crested Weirs.—J.D.H. Bedford and A. M. R. Montagu.	1
142.	Stability of Weirs and Canal Works.—A. N. Khosla.	1
<hr/>		
VOLUME XIX—1931.		
143.	Materials and Construction of Trunk and distribution pipelines for Water-supply, using Metal Pipes.—D. A. Howell.	16
144.	Recent Practice in Girder Erection on the North-Western Railway.—Major C. F. Carson, M.C., R.E.	16
M. 145.	Construction of a Railway Bridge over the River Indus at Kalabagh.—W. D. McD. Cruickshank.	16
146.	Theoretical Design of a new type of Outlet for Irrigation Channels.—K. R. Sharma.	16
147.	Damage to Falls on Khadir Branch, Pakpattan Canal.—E.L. Protheroe.	16
148.	Underpinning Satgarha Rest House.—K. R. Sharma.	16
149.	Methods of Calculation and Analysis of Structures employed on the North-Western Railway.—P.L. Dhawan.	16
		16
		16
		17

Serial
number.

VOLUME XX—1932.

- iver 150. Some examples of control of floods in torrents in the Punjab
Rajbansi Lal.
- . P. 151. A study of the internal economy of water as practised by
zamindars on an outlet on the Upper Bari Doab Canal.—
J. D. H. Bedford.
- on 152. Tube-wells on Zhob Valley Railway, Baluchistan.—J. A.
Vardon.
- way. M. 153. Tunnelling in connection with the Uhl River Hydro-Elec-
tric Project.—G. H. Hunt, M.C., Capt., R. D. Keane, R.E.,
and N. V. Dorrofeeff.
- to N. 154. Remodelling of Mithalak Distributary.—K. R. Sharma.
- don. 155. Repairs and Remodelling of Rasul Weir, 1929-31.—T. A. W.
Foy.
- ford 156. Girder Erection in the deMontmorency Bridge across the
Jhelum River at Khushab.—Col. J. R. Simpson, R.E.
157. The Completion of Kalabagh Bridge.—P.C. Judges.
158. Pressure observation at Jaurian and Durgi Siphons.—P. A.
Turner.
159. Influence Surfaces for Concentrated Loads on Slabs.—J.
Halcro Johnston.

VOLUME XXI—1933.

- pipe- 160. Description of Several Unusual Structures Adopted in Bridge
vell. Construction.—W. T. Everall.
- stern 161. Protection of Upstream Foreshore Mangla Regulator.—F.F.
Haigh.
- s at 162. Pressure Pipe Observation at Panjnad Weir.—Ajudhia Nath
Khosla.
- ation 163. Dissipation of Energy Below Canal Falls.—F. F. Haigh.
- nal.— 164. Pipes and Fittings used in Water Service Buildings.— J.A.R.
Bromage.
165. Theory of Earthquake Resisting Design with a note on earth-
quakes resisting construction in Baluchistan.—S.L. Kumar.
- loyed 166. Uses of Bibliography in Engineering.—A.M.R. Montagu.
167. An Optical Lever Siltometer.—V. I. Vaidhianathan.
168. Silt Conduction by Irrigation Outlets.—K. R. Sharma.
169. Silt exclusion from Distributaries.—H.W. King.
170. Experiments with a Short Crested Weir Model.—C.C. Inglis.

Serial
number

VOLUME XXII—1934.

Ser
num

171. The Chakki Dalhousie Road.—J. Halcro Johnston.
172. Remodelling of channels on the Lower Bari Doab Canal. illustrated by Dulwan (15L) Distributary.—S. L. Malhotra
173. A study of the flow of water under Works on Sand Foundations by means of models.—Dr. E. McKenzie Taylor and Harbans Lal Uppal.
- M. 174. Metallic Arc Welding as applied to Bridges and allied structures with special reference to the North Western Railway—W. T. Everall and P.S.A. Berridge.
175. Two notes on Grouting applied to Bridge Work.—J. D. Watson.
176. Design on an A. P. Module.—K. R. Sharma.
177. The construction of a Reinforced Concrete. Bridge on the Grand Trunk Road over the Bhimber Nallah, in Gujrat District on vibro-pile foundation.—P. L. Varma.

M. 1
1

VOLUME XXIII—1935.

M. 19

178. Sillanwali Drain.—S. D. Khangar and N. D. Gulhati.
179. Replacement of Gallery No. 826 on the Kalka Simla Railway by a steel trestle bridge.—W. A. Anderson.
180. Super-elevation on Highway Curves.—Murari Lal.
181. Provision for Temperature and Shrinkage Movements in Cement Concrete Structure (plain and reinforced)—Kanwar Sain.
182. Design of Weirs on sand foundations.—F. F. Haigh.
183. The Extension of the River Training Works at Gidarpindi Bridge—G. A. Plank.
184. The Lacey Slope Formula.—T. Blench.
185. Pressures under a model of Panjnad Weir and under the Prototype.—Harbans Lal Uppal.
186. The selection of electric motors and control gear for industrial use.—M. F. Thomson.

19
19
20
20
20
20
20
20
20
20
20

Serial
number.

VOLUME XXIV—1936.

187. Scientific Irrigation Channel Design.—T. Blench.
188. Water Distribution and Assesment of Revenue at Volumetric Rates.—Khushi Ram Erry.
189. A Silt Selective Distributary Head Regulator—K. R.Sharma.
190. Electrical Method for Determining Pressure Distribution under Hydraulic Works.—V. I. Vaidhianathan and Gurdas Ram.
191. Reconditioning of Kankar Roads.—Brij Mohan Lal.
192. Slit Movement and Design of Channels.—N. K. Bose.
193. Concrete Trackway on Lahore Multan Road (Arterial No. 4) miles 2 and 3 Lahore District.—Bhikam Singh.
194. Flooding Rohtak Civil Station in September, 1933, and Measures Taken for Relief and for Future Safety.—Kanwar Sain.
- M. 195. Reconstruction of the Khanki Weir.—Ajudhia Nath Khosla.
196. Construction of the Pipe Tunnels and Pipe-line of Uhl River Hydro-electric Scheme.—N. Boddington.

VOLUME XXV—1937.

- M. 197. Waterlogging on the Upper Chenab Canal, its causes and cure.—B. N. Singh.
198. Agricultural economics with special reference to irrigation problems.—W. Roberts.
199. Raising Jhelum Bridge.—T. McIntyre.
200. Roads to Kulu.—J. Halcro Johnston.
201. Turbulent flow in channels.—T. Blench.
202. Building of two reinforced concrete box culverts on N. W. R.—S. L. Kumar.
203. Some notes on gunite and its uses on certain works on N. W. R.—S. L. Kumar.
204. Deg diversion and the combined headfall and aqueduct.—B. K. Kapur.
205. A regulation gauge for headless canal meters.—A. N. Wilson.
206. Quetta Reconstruction—Captain N. Boddington.
207. Experiments of premix work in mile 35 G.T. Road.—Murari Lal.—

Serial
number.

VOLUME XXVI—1938.

208. Fundamentals of rate fixing for electrical undertakings.—
H.P. Thomas.
209. Some experiments on seepage losses in irrigation channels.—
Nand Gopal and K. R. Sharma.
210. Remodelling Canal Head Regulator at Marala.—C. L. Handa.
- M. 211. Silt excluders.—F. F. Haigh.
212. Energy theory of turbulent flow in liquids.—T. Blench.
213. Syphon under Rakh Branch for the Marh Chiniot Drain.—
S. L. Malhotra.
214. Protection against scour below River and Canal works.—
H. L. Uppal.
- M. 215. Reconditioning Marala Weir—E. O. Cox and Ganpat Rai.
216. Conservation of Punjab Water Supplies.—R. M. Gorrie.
217. Earthquake Reconstruction in North Bihar.—A. St. G. Lyster.

VOLUME XXVII—1939.

218. Diagrams for the design of an adjustable proportional
modules.—N. D. Gulhati.
219. Rail and road competition.—F. R. Hawkes.
220. The water supply of the sun eclipse fair at Thanesar.—
D.A. Howell.
221. Lining of the Haveli Main Line Canal.
222. Efflorescence in buildings and a new method of cure.—
Nand Gopal and M. L. Mehta.
223. Reflooring the Sukkur Channel Bridge.—S. L. Kumar.
224. Construction of a concrete track in Miles 306—310, G. T.
Road (near Lahore).—D. P. Nayyar.
225. Intensity of traffic on Punjab Roads.—Brij Mohan Lal.
226. Training works, River Control and methods of regulation at
Rupar, Khanki, Marala and Rasul.—B. K. Kapur.
227. A study of the River conditions on a model of Khanki Head-
works and investigation of methods for obtaining uniform
distribution of flow and minimum silt entry in the Canal.—
Harbans Lal Uppal and Thakur Das Gulhati.
228. Finances and Economics of Irrigation Projects.—Kanwar Sain.
229. River Diversion at Trimmu.—Som Nath Kapur.

V
P
C
of
in
R
St
(B
on

PUNJAB ENGINEERING CONGRESS MEDAL.

One or more medals are awarded annually for the best papers presented to the Congress by members, a Sub-Committee being appointed by the General Committee to judge the papers and make its report.

Only those Papers which are received on or before the date specified in the rules are eligible.

The awards to date have been:—

Prior to 1917, no award.

1917, T. A. Curry, for his paper on Lining Irrigation Canals.

1918, no award.

1919, F. H. Burkitt, for his paper on Experiments on Broad-Crested Weirs.

1920. K. G. Mitchell, for his paper on A Few Aspects of the Punjab Road Transport Problem.

1921. F. V. Elsdon, for his paper on Water-logging from Irrigation Canals in Alluvial Soil.

1922, A St. G. Lyster, for his paper on the Design and Construction of Light Suspension Bridges.

1923. E. S. Lindley, for his paper on the Application of Modules in Irrigation.

1924. Major E. P. Anderson D.S. O., R. E., for his paper on Economic Railway Construction.

1925. J. Halcro Johnston, B. Sc., for his paper on Analysis of Stiffened Suspension Bridges, Type 2 F.

1926. C. E. Jefferis, for his paper on Concrete Lining of the Gang (Bikaner) Canal.

1927. A. G. C. Fane, M. C. M. INST. C. E., for his paper on Report on Flume Experiments on Sirhind Canal.

1928. no award.
1929. F. H. Burkitt, O.B.E., for his paper, Headless Canal Meters.
1930. Ajudhia Nath Khosla for his paper, Hydraulic Gradients in sub-soil water flow in relation to stability of structures resting on saturated soils.
1931. W. D. Mc. D. Cruickshank, for his paper, Construction of a Railway Bridge over the River Indus at Kalabagh.
1932. Messrs. G. H. Hunt, M. C. Capt. R. D. Keane, R. E., and N. V. Dorrofeeff, for their paper, Tunnelling in connection with the Uhl River Hydro Electric Project.
1933. H. W. King for his paper, Silt Exclusion from Distributaries.
1934. P. S. A. Berridge, part author of the paper, Metallic Arc Welding as applied to bridges and allied structures with special reference to the North Western Railway.
- 1935, no award.
1936. Ajudhia Nath Khosla for his paper, Reconstruction of the Khanki Weir.
1937. R. B., B. N. Singh, for his paper Waterlogging on the Upper Chenab Canal, its causes and cure.
1938. F. F. High, for his paper, Silt Excluders.
E. O. Cox and Ganpat Rai, for their paper, Reconditioning Marala Weir.

KENNEDY MEDAL.

Whereas a fund has been instituted in order to give public recognition to the work of Mr. R.C. Kennedy, C.I.E., late Chief Engineer, Punjab, in certain classes of research, and whereas the main object of this fund is to encourage further study and research in irrigation science, and whereas the subscribers to the said fund have determined that this object can best be attained by the grant of medal to be awarded from time to time, and ordinarily annually, for the best published paper on such subjects, notice is hereby given that competitions will be held on the following conditions:—

1. A medal shall be awarded for the best published paper on any of the following subjects:—
 - (a) the distribution of water for irrigation;
 - (b) the condition and flow of subsoil water with its connected problems of losses of absorption with in the soil;
 - (c) the flow of water, the transportation of silt by currents of water, and the prevention of silting of irrigation canals;
 - (d) and generally any kind of research, tending to bring about the conservation of water for irrigation or the improvement of canal irrigation and the reduction of evils resulting from irrigation.
2. The competitions are open to all persons resident or employed in or retired from the engineering service in India, whether official or non-official.
3. The papers submitted for competition must either have been published in some engineering or scientific journal or reach at some engineering or scientific society, conference, congress, or institution prior to the closing date of the competition.
4. The committee shall have absolute power to determine whether any paper is admissible for the competition, and to whom the award of the medal shall be made, and its decision shall be final.
5. The competition will be held annually provided a sufficient number of entries are received. Entries will be received up to the 1st October of each year.
6. Papers for the competition and correspondence should be addressed to the Honorary Secretary, Kennedy Medal Fund, care of the Under-Secretary, Public Works Department, Secretariat, Lahore.