



Government of Bombay
Public Works Department

Technical Paper No. 20

Note dated November 1927

on

Model Experiments to ascertain the
effect of Partial Lining of the Malegaon
Cut in miles 38 and 39 of the Nira
Left Bank Canal

BY

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ERRATA

Page 3—

In paragraph 1, line 15, *for* the figure "8-20" *read* "8·20".

In paragraph 2, line 1, *for* the word "conclusions" *read* "conclusion".

In paragraph 3, line 8, *insert* a hyphen at the end.

Page 4—

In paragraph 7, line 9, *for* $Q=CA\sqrt{RS}$ *read* $Q=CA\sqrt{\overline{RS}}$.

Page 8—

In line 9, *for* the words "were removed" *read* "was removed".

In Figure 6, *for* the word "Projection" *read* "Projections".

Page 9—

Delete the word PLAN below Figure No. 8.

Page 10—

In the 5th line from the bottom, in the equation against the first N,
for $\frac{.033 \times 22.0 + .014 \times 6.4}{28.4}$ *read* $\frac{.039 \times 22.0 + .014 \times 6.4}{28.4}$.

Page 11—

In line 3, against the letter N *for* the equation $\frac{.039 \times 10.9 + .014 \times 17.6}{28.4}$
read $\frac{.039 \times 10.9 + .014 \times 17.4}{28.3}$.

In lines 13-15, cancel the portion against (a), (b) and (c) and *substitute—*

$$(a) \text{ G.2-4, } N = \frac{.039 \times 9.0 + .014 \times 19.1}{28.1} = .022 \text{ against } .021.$$

$$(b) \text{ G.4-6, } N = \frac{.033 \times 9.5 + .014 \times 18.7}{28.2} = .0204 \text{ against } .025.$$

$$(c) \text{ G.2-6, } N = \frac{.036 \times 9.2 + .014 \times 18.9}{28.1} = .0212 \text{ against } .022.$$

In Statement VI, item (iv), column 2, *for* "0.236" *read* "0.0236".

In Statement VI, item (v), *for* "0.236" in column 2 *read* "0.022" and
for "0.022" in column 6 *read* "0.0212".

In paragraph 16, line 2, *for* the word "is" *read* "was".

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Note dated November 1927, on "Model experiments to ascertain the effect of partial lining of the 'Malegaon Cut' in miles 38 and 39 of the Nira Left Bank Canal,"
by C. C. Inglis, B.A.I., M.Inst.C.E., with D. V. Joglekar, B.E.,
Assistant Engineer

I N D E X

Photos.

1. Object of experiment.
2. The conclusions drawn from calculations made by the Executive Engineer, Nira Left Bank Canal Division.
3. Objections to proposals.
4. Alternatives to raising the banks.
5. The relative scales and dimensions of the model.
6. Method of ascertaining water levels in the model.
7. Difficulties.
8. Selection of formula to be used.
9. Equivalent discharge to be passed through the model.
10. Effect of velocity of approach on results.
11. Exaggeration of the surface slope in the model.
12. Mean velocity and mean wetted perimeter.
13. Experiments.
14. Summary of results.
15. Consideration of results.
16. Reliability of results.
17. Calculations of the effect of lining on water levels and afflux in the Malegaon Cut under different conditions.

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- Plate 1. Longitudinal and Cross Sections of Malegaon Cut.
Plate 2. Nomogram for Manning's formula.
Plate 3. Water levels in Malegaon Cut for different amounts of lining.