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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Cons 20-2-1860.

G.O. No.	344	Press Mis.
29-30 Dated	14-2-	1860.

Not to be folded or roughly handled

16

*Proceedings of the Madras Government, Public Works Department,
for the month of February 1860.*

No. 29. Read the following letter from Colonel J. H. BELL, Chief Engineer; to the Secretary to Government, dated Sépakkam, 21st January 1860, No. 9422.

Paragraph 1. With reference to the orders marginally quoted, I have the honor to forward the accompanying estimate of the junction canal between the rivers Kúam and Adiyár, amounting to Rupees 3,59,300 together with a survey of the line, and plans of the works to be constructed on it.

No. 2262, dated 20th September 1859.
2876, dated 12th December 1859.
Enclosures 2 letters from Mr. Kennedy, Nos. 203 and 204, dated 22nd December 1859.
9 Plans.
5 Abstract estimates and 1 total of abstract estimates.

2. Mr. Kennedy, by whom these plans have been prepared, has taken what appears by far the best line, avoiding as it does nearly all interference with permanent residences, and keeping a course which involves the least possible loss of any kind. His estimate of the sum required for compensation is Rupees 76,000, but this cannot at present be exactly determined, and must be considered only an approximation.

3. The dimensions of the canal have been fixed at a breadth of 60 feet surface level, with a depth of 4 feet below mean tide. The banks on both sides will be formed into carriage roads.

4. A wharf is to be built at the junction of the canal with the Kúam, and five landing places of different points on the line.

5. Six bridges are provided for the roads intersecting the line; these bridges are to consist of two arches, each of 35 feet, and for the reasons assigned I consider the design more suitable than that of a single arch by which the roadway would be greatly raised.

6. The groyne proposed for protecting the entrance of the canal into the Adiyár is a necessary work to prevent its being filled by the soil swept down by the rains from the adjacent plain.

7. The estimate is prepared with due regard to the rates of labor and materials now prevailing, and likely to be demanded, so that the amount may be safely relied on as representing the full cost of the work, but, as before observed, the compensation for land is only set down approximately.

8. After all that has been urged in support of this project it would be out of place for me now to dwell on its importance, and I need only observe in conclusion that although I think some of the plans may require modification in their details, the general arrangements appear to me quite correct and satisfactory, and therefore I recommend the estimate for sanction.

9. The plan and estimate for the branch canal from the Medical College to the Light House have not been yet received, but Mr. Kennedy has been called upon to submit the same without delay.

No. 30. ORDER THEREON, 14th February 1860, No. 344.

The estimates submitted with this letter amounting in the aggregate to Rupees (3,59,300) three lacs fifty-nine thousand and three hundred, are approved for entry in the budget of 1860-61.

(Signed) T. PYCROFT,
Chief Secretary.

31
Central Office of P.W.
Sépiakham
21st January 1860.

N^o 9455

Public

From
The Chief Engineer
To The Secretary to Government
M.D.

Sir,

Para 1.

With reference to the orders -
N^o 2262 of 20th Sept/59 marginally quoted, I have the honor to forward
N^o 2876 of 12th Dec/59 the accompanying Estimate of the Junction
Encl. 16 Canal between the Rivers Minam and Arungar.
Encl. 2 letters from Mr. Hennessy
N^o 2034 of 22nd Dec/59 announcing to Rupees 359,300 together with a
1st 9 Plans Survey of the line, and plans of the works to
1st 5 Plans Estimate
1 Total of 11 Plans constructed on it.

Kuam

Alipin

seen
C. J. Smith
etc.

- 2/53

2. Mr. Hennessy, by whom these
plans have been prepared, has taken what
appears by far the best line, avoiding as it
does nearly all interference with permanent
residences, and keeping a course which
involves the least possible loss of any kind.
His estimate of the sum required for compen-
sation is Rupees 76,000, but this cannot at
present be exactly determined, and must
be

be considered only an approximation.

3. The dimensions of the Canal have been fixed at a breadth of 60 feet surface level, with a depth of 4 feet below mean tide. The banks on both sides will be formed into carriage roads.

4. A Wharf is to be built at the junction of the Canal with the Benam, and five landing places of different points on the line.

5. Six bridges are provided for the roads intersecting the line; these bridges are to consist of two arches, each of 35 feet, and for the reasons assigned I consider the design more suitable than that of a single arch by which the roadway would be greatly raised.

6. The groyne proposed for protecting the entrance of the Canal into the Adyar is a necessary work to prevent it being filled by the soil swept down by the rains from the adjacent plain.

7. The estimate is prepared with due regard to the rates of labor and materials now prevailing, and likely to be demanded,

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so that the amount may be safely relied on as representing the full cost of the work, but, as before observed, the compensation for land is only set down approximately.

8. After all that has been urged in support of this project it need be out of place for me now to dwell on its importance, and I need only observe in conclusion that although I think some of the plans may require modification in their details, the general arrangements appear to me quite correct and satisfactory, and therefore I recommend the estimate for sanction.

9. The Plan and Estimate for the branch Canal from the Medical College to the Light House have not been yet received, but Mr. Kennedy has been called upon to submit them some without delay.

Central Office of Mr.
Seymour
21st January 1860

L. L. Smith
Dy. Chief Eng. C. B.

I have the honor to be
Sir,
Your most Obedt. Servant

L. L. Smith
Chief Engineer

P. Davis

20th Feb 1860
No. of Good 20 - February.

1855

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The Chief Engineer

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at length to the Board

No 3644 - 14th February.

Wells Avenue
London W.1

5/11/76 in order?

March - the very first

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Have been & have been
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~~Budget~~ - R. Chowkeed

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Budget of 1860/61.

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But what do we see?