Archives I - 10,006—16-8 77.

(1) Number of pages 14

(2) Date of repair Feb 1987

(3) Initials of the Referencer Lens

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PW DEPARTMENT

G.O. No. / B.P. No.	881 (W)	Press. / Mis.
Dated	3. 4. 1882	197 .

VB

Not to be folded or roughly handled

881/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 1.

READ—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 18th March 1882, No. 1406.

3 Estimates with duplicate Abstracts.
17 Sheets of Levels.
6 Do. of Surveys.

I have the honor to submit, for sanction, estimates for improvements to the Buckingham Canal, viz. :—

	Rs.
For a diversion of the canal from the lock at 7½ miles from Madras to the 11th mile at Ennore	42,250
Diversion of the canal from 65 miles 5 furlongs to 72 miles 2 furlongs at Dugarázpatnam	76,000
Diversion of the canal from 177 miles to 177 miles 7 furlongs at Thonderu	11,150

2. The diversion from the Shadiencupam lock to Ennore is 3 miles in length. The arrangements have been proposed according to Captain Awdry's report of inspection in June 1880. The object is to provide a canal that shall be protected from the natural drainage ; and to avoid the difficulty experienced in maintaining a deep channel through the open backwaters. The canal will be taken to the eastward of the backwaters, till it opens into the lake at Ennore, where it will be protected by a flood gate. On the west side the bank will be raised to full height, as it is necessary to provide against the floods of Kortalayár. The flood gate required at the north end will be provided for in the general estimate.

3. At 65 miles 5 furlongs the diversion is taken to the west of the present line, so as to cross the Ellore calva, the Dugarázpatnam river, and the Tupili calva, joining the old line 6⅝ miles on, at 72¼ miles. The arms of the backwater are to be banked across ; but flood gates are to be provided on both banks of the Dugarázpatnam river. This is the drainage which is noticed in paragraph 20 of the Chief Engineer's observations of April 1880. From the south end to the Dugarázpatnam river the diversion will be banked to full height on both sides ; to the north of the river the east bank will be raised to full height, while the west bank need not be above the level of the towpath. Provision remains to be made in the general estimate for a siding at Dugarázpatnam and for the flood gates near the river banks.

4. At 177 miles the diversion is taken to the east, and brought in to the present canal 7 furlongs on ; the object of this diversion is to keep away from the Thonderu river, leaving that to carry off the drainage. The diversion will have to be embanked on the west side only ; the small drainage on the east side being taken into the canal through simple openings.

No. 2.

Order—dated 3rd April 1882, No. 881 W., Public Works.

The undermentioned estimates, amounting to Rs. 1,29,400, for improvements to the Buckingham Canal, are sanctioned :—

(1)	Diversion of the canal from the lock at 7½ miles from Madras to the 11th mile at Ennore	Rs. 42,250, Register, No. 1/1 of 1882-83.
(2)	Ditto from 65 miles 5 furlongs to 72 miles 2 furlongs	„ 76,000, „ „ 1/2 of „
(3)	Ditto from 177 miles to 177 miles 7 furlongs at Thonderu	„ 11,150, „ „ 1/3 of „

2. The work will be carried out from the budget grant for the Buckingham Canal.

3. This sanction has been registered as Provincial No. 1/1, 2, 3 W. of 1882-83, and classified as 33, Irrigation and Navigation, Works for which Capital and Revenue Accounts are kept, Capital, Works.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle, with twenty-seven enclosures.
„ Examiner, Public Works Accounts, with three duplicate Abstract Estimates.
„ Chief Engineer for Irrigation.
„ Board of Revenue

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c., &c., &c.

Dated April, 3rd.

Issued

Recd. *Encl.*

G.O., 3rd April 1882, No. 881 W.

APRIL.
Nos. 1-2.

Buckingham Canal.—Sanctions estimates amounting to Rs. 1,29,400 for improvements to the —.

C. No.

P. W. Secretariat.

Note by Budget Section. 881/3

Work	Remarks and References.
Improvements to the Buckingham Canal	

Fund - - - Provincial

Service Head 33 Irrigation & navigation for which Cap: Wky: Accts are kept

Departmental Head C. Works.

Amount of estimate ... ... Rs 129400

Expenditure in previous year ... ... "

Allotment in current year ... ... "

Balance required to complete ... ... "

Total Rs. "

Note of available funds.

The work is classed as Protective, Irrigation & navigation, & according to ruling of the Govt. of India the Budget Estimate for Irrigation & navigation works should provide the necessary funds in like manner as is provided for Agricultural works - Vide G.O. No 531 W dy 1st March/82.

Asst.
Budget Clerk.

Note by Budget Section.

88/W

P. W. DEPARTMENT—1881-82.

~~MEMORANDUM.~~

88/4

Current No. 1846.

Letter Number 1406

dated the 18th March 1882.

from the Supg. Engineer 5th Circle.

Note of Remarks.

The Estimates with Surveys, Sections & reports for Improvements to the Buckingham Canal, Amounts to Rs 42250, Rs 76,000 & Rs. 11150, respectively, as follows.

1. Diversion of the Canal from the Lock at 7½ Miles from Madras to the 11th Mile at Sunna. Rs 42250.
2. do —do— from the 65 Mile 6 fur. to 72 Miles 2 fur. at Ungaraz patam — 76000.
3. do —do— from 177 Miles to 177 Miles 7 fur. at Thendem —— 11150

129400

The Estimates provide for Cutting & Embankings, planting & Turfing Slopes.

Land Compensation has been included in the Estimate.

The Rates more or less agree with the District Schedule.

28th March 82.

C.W.D.

SUPERINTENDING ENGINEER'S OFFICE,

No. 1406. 887/5 MADRAS,

Chepauk, 18th March 1882.

From Col. A. T. Pennycuick R.E.

SUPERINTENDING ENGINEER,

5 CIRCLE,

To

THE Chief Engineer

P.P.W.

SIR,

I have the honor to submit

Enclosures. 26

3 Estimates with Sketch. 1 Statement. 17 Sketch of Culverts 6 Do of Bridges

for Sanction Estimates for improvements to the Buckingham Canal viz

For a diversion of the Canal from the Lock at 7½ miles from Madras to the 11th mile at Ennore ——— 42250

Diversion of the Canal from the 65 M 5 f to 72 M 2 f at Dugarayapatam —— 76,000

Diversion of the Canal from 177 Miles to 177 M 7 f at Thondevu ——— 11150

2. The diversion from the Shadiem-cupam Lock to Ennore is 3 miles

w

in length. The arrangements have been proposed according to Captain Audry's report of inspection in June 1880. The object is to provide a canal that shall be protected from the natural drainage; and to avoid the difficulty experienced in maintaining a deep channel through the open back-waters. The Canal will be taken to the Eastward of the back-waters, till it opens into the Lake at Ennore; where it will be protected by a flood-gate. On the West side the bank will be raised to full height, as it is necessary to provide against the floods of the Cortelliar. The flood-gate required at the N end, will be provided for in the general estimate.

2. At 65 M 5 f. the diversion is taken to the West of the present line, so as to cross the Elliot's Cotta, the Dungarazpatam River and the Tupili Cotta, joining the old line at 75/8 miles or at 72¼ miles. The arms of the back water are to be banked across; cut flood gates are to be provided on both banks of the Dungarazpatam River. This is the drainage which is noticed in para 20 of the Chief Engineers observations of 28th Oct. From the South end to the Dungarazpatam River the diversion will be banked to full height on both sides; to the North of the River the East bank will be raised to full height, while the West bank need not be above the level of the low path. Provision remains to be made in the general Estimate for a siding at Dungarazpatam and for the flood gates near the River banks.

3. At 177 Miles the diversion is taken to the East and brought in to the present Canal 7 furlongs on: the object of this diversion is to keep away from the Thondera River, leaving that to carry off the drainage. The diversion will have to be embanked on the West side only; the small drainage on the East side being taken in to the Canal through simple openings.

I have the honor to be
Your Most Obd.t Hble Servt
Alex.r Brender Lt Colo. R.E.
Superintg. Engr. 5th Circle

From The Superintending Engineer,
5th Circle,

To
The Chief Engineer
P.W.D.

Dated 18th March 1882.
Recd. 21st

284 W. 6.2.82
Cy. 811 - 12.8.80
Cy. 409 - 7-9-80

ENCLOSURES. 30 (14 plans)

No. 1106.

Buckingham Canal.

Submits for sanction Estimates for improvements to the ——— amounting to Rs 42,250 76,000 & 11,150.

Cir 21.0-8 Sht. 3/4

No. 881 W. 88 1/6

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 3 April 1882

Read the following:—

From the S.E. 5th Circle No. 1406 of 18th June 1881.

Re undermentioned estimates, amounting to Rs 1,29,400, for improvements to the Buckingham Canal are sanctioned:—

(1) Diversion of the Canal from the Lock at 7½ miles from Madras to the 11th Mile at Ennore —
Rs 42,250 — Regular No — of 1882-83.

(2) Ditto from 65 miles 5 furlongs to 72 miles 2 furlongs —
Rs 76,000 — Reg. No — of 1882-83.

(3) Ditto from 177 miles to 177 miles 7 furlongs at Thondern —
Rs 11,150 — Reg. No — of 1882-83.

2. The work will be carried out from the Budget Grant for the Buckingham Canal

This

3. This question has been registered as Prov. Dr. 1-2-8 of 1882-83, & classified as 33. Dr. = Irrigation & Navigation, Works for which Capital & Rev. Accounts are kept, Capital Works.

Cl. 30-3-82

31/3/82

To The S.S. St Cuthbert, with 27 enclosures
" Bar. P.W.D. with 30 copies of above enclosures
" Ch. Engr. & Jt. Secy. to Govt.
" Board of Revenue.
" Ex. Engr.

despatched 21/4/82.

30: 3. 82

Cir 31.3.82 RO. 3/4

1875

Govt. of {1881} Madras.

PUBLIC WORKS.

To.

Dated

Issued

Read. Encl.

G. O. 3 April 1882 No. 887

Nos. 1 & 2

Buckingham Canal

Sanctions returnable amounting
to Rs. 129,600 for improvements
&c &c —

Entered in Receipt Register