Archives I 10,006—16-8 77.

(1) Number of pages 18

(2) Date of repair

(3) Initials of the Referencer Lavs ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. W DEPARTMENT

G.O. No. 1108 W
B.P. No.

Press.
Mis.

Dated 2 — 5 — 1882 197 .

V . S . M

Not to be folded or roughly handled

1108
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 17.

READ—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 13th April 1882, No. 79 :—

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

Five detailed estimates.
Five duplicate abstracts.
Fourteen sheets of levels.
Three sheets of survey.

Estimate of Rs. 17,200 for improving the canal between 72 miles 2 furlongs and 75 miles 3 furlongs.—The work proposed consists in raising the east bank, for the full length of $3\frac{1}{8}$ mile, to the full height of 4 feet above flood level, and bringing the west bank to the level of the towing path or 3 feet above high tide. The bed to be taken down to 3 feet below low tide.

2. Estimate of Rs. 6,100 for raising the canal bank between $90\frac{3}{4}$ mile and 92 miles.—The east bank requires to be raised to full height for a length of half a mile, but it need only be brought to the tow path level in the next three-quarters of a mile.

3. Estimate of Rs. 13,680 for diversion of the canal from 92 miles to $93\frac{1}{2}$. It is proposed to make a diversion to the west of the present line as preferable to making up to the bank in the back water, where it will be always exposed to danger.—The diversion will be of the standard section of channel.

4. Estimate of Rs. 7,030 for improving the canal from $93\frac{1}{2}$ to $95\frac{1}{2}$ mile.—In the first 3 furlongs the east bank requires to be raised to full height, but the west bank will be raised only to the level of the towing path. For the rest of the distance no raising is required, as the banks are at present above the height that is necessary. Turfing is allowed for the inner slopes.

5.	Estimate for Ramathirtham diversion	Rs. 8,230
	Do. for Pyderu diversion	,, 14,030
	Total ...	Rs. 22,260

The Ramathirtham diversion is three-quarters of a mile in length from 119 miles 3 furlongs to 120 miles 1 furlong, and is taken to the west of the present course of the canal. Much damage was caused by the sea breaking in, when there was a storm in 1879, and it is proposed to have a strong bank on the east side of the new cut. The west bank is not required to be higher than the towing path level ; the drainage on the land side which is not large will be admitted into the canal. The Pyderu diversion extends from 122 miles 7 furlongs to 123 miles 6 furlongs, and is traced to the east of the present line, so as to avoid the back water. In this case the bank on the west side requires to be raised to the full standard height above flood level, while on the east

side, excepting just near the river, the bank will be brought to the level of the towing path. The ground is high on the east side and gives protection from the sea.

No. 18.

ORDER—dated 2nd May 1882, No. 1108 W., Public Works.

The undermentioned estimates are sanctioned against the annual budget grants in connection with work on the Buckingham Canal :—

		RS.		
(1.)	Improving the canal between 72 miles 2 furlongs and 75 miles 3 furlongs ...	17,200	Register No. 12/1 W. of	1882-83.
(2.)	Raising the canal bank between 90¾ miles and 92 miles	6,100	" " 12/2 W. of	"
(3.)	Diversion of the canal from 92 miles to 93½ miles	13,680	" " 12/3 W. of	"
(4.)	Improving the canal from 93½ miles to 95½ miles	7,030	" " 12/4 W. of	"
(5.)	Diversion of the canal from 119 miles 3 furlongs to 120 miles 1 furlong at Ramathirtham, and from 122 miles 7 furlongs to 123 miles 6 furlongs at Pyderu	22,260	" " 12/5 W. of	"

2. These sanctions have been registered as Provincial No. $\frac{12}{1,2,3,4,5}$ 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-two enclosures.
" Examiner of Public Works Accounts, with five duplicate abstract estimates.
" Chief Engineer for Irrigation.
" Board of Revenue.

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated May, 2nd.

Read. *Encl.*

G.O., 2nd May 1882, No. 1108 W.

MAY.
Nos. 17-18.

Buckingham Canal.

Estimates amounting to Rs. 66,270 *for improvements to the —, sanctioned.*

P. W. DEPARTMENT—1881-82.

~~MEMORANDUM~~

3A

Current No. 2318.

Letter Number 79.

dated the 13th April, 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. 17,200, Rs 6700. Rs. 13,680, Rs 7030. & Rs. 22,260, respectively as follows.

1- Improving the Canal between 72 miles 2 fur. & 75 miles 3 fur. — Rs. 17,200.
2- Raising the Canal bank between 90 2/4 M. 792 M. " 6,100.
3- Diversion of the Canal from 92 M. to 93 1/2 M. — " 13,680.
4- Improving the Canal from 93 1/2 M. to 95 1/2 M. — " 7,030.
5- Diversion of Canal in 119 M. 3 fur. to 120 M. 1 fur. at Ramalenthan, Rs. 8230 & in 122 M. 7 fur. to 123 M. 6 fur. at Pydeu. Rs. 14,030 — " 22,260.

Rupees. 66,270.

The Estimates provide for Clearing Sill, Cutting & Embanking, Turfing & Planting.

The Rates entered more or less agree with the District Schedule.

Rs 892 for land Compensation has been included in the

the Estimate for Pydeni Diversion

18th April 82.

C. No.

P. W. Secretariat.

1108 IV

3

Note by Budget Section.

Work

Improvements to the Buckingham Canal

Remarks and References.

Fund Provincial

Service Head Irrigation & Navigation Dr.

Departmental Head Capital Works

Amount of estimate ..... Rs 66270

Expenditure in previous year ..... " "

Allotment in current year ..... " "

Balance required to complete ..... " 66270

Total Rs... 66270

Note of available funds.

A lakh & sixty thousand Rupees have been provided in the Irrigation Budget for the Buckingham Canal under Capital Works.

Budget Clerk.

Note by Budget Section.

11084

No. 79. Superintg Engr Office 5th Circle
Chepauk 13th April 1882.

11054
4

From

Coll A L. Proudergast R.E.
Superintending Engineer 5th Circle

To.

The Chief Engineer
P.W.D.

Sir

I have the honor to submit
for sanction estimates for improve-
ments to the Buckingham Canal.

Estimate of Rs 17200 for
improving the Canal between 72 M
2 f and 75 M 3 f. The work pro-
posed consists in raising the East
bank for the full length of 3 & miles
to the full height of 4 feet above flood
level; and bringing the West bank to
the level of the towing path or 3 feet
above high tide. The bed to be taken
down to 3 feet below low tide.

2. Estimate of Rs 6100 for raising the

Encls. 27.
5 Detd Estes.
5 Dupe Abstts.
14 Sheets of Detail.
3 Do of Survey.

the Canal bank between 90 3/4 mile & 92 miles. The East bank requires to be raised to full height for a length of 1/2 a mile, but it need only be brought to the tow path level in the next 3/4 mile.

3. Estimate of Rs 13680 for diversion of the Canal from 92 miles to 93 1/2. It is proposed to make a diversion to the West of the present line, as preferable to making up the bank in the back water, where it will be always exposed to danger. The diversion will be of the Standard Section of Channel.

4. Estimate of Rs 7030 for improving the Canal from 93 1/2 to 95 1/2 mile. In the first 3 furlongs the East bank requires to be raised to full height; but the west bank will be raised only to the level of the towing path. For the rest of the distance no raising is required, as the banks are at present above the height that is necessary. Turfing

is allowed for the inner slopes.

5. Estimate for Ramateertham diversion. Rs 8230

——"—— Syderu —— 14,030

22,260

The Ramateertham diversion is 3/4 mile in length from 119 M 3 f to 120 M 1 f, and is taken to the West of the present course of the Canal. Much damage was caused by the sea breaking in, when there was a storm in 1879, and it is proposed to have a strong bank on the East side of the new cut. The West bank is not required to be higher than the towing path level, the drainage on the land side which is not large will be admitted into the Canal. The Syderu diversion extends from 122 M 7 f to 123 M 6 f, and is traced to the East of the present line, so as to avoid the back water. In this case the bank on the West side requires to be raised to the full Standard height above flood level,

level, while on the East side, except-
-ing just near the River, the bank will
be brought to the level of the towing
path. The ground is high on the
East side and gives protection
from the sea.

I have the honor to be
Sir
Your Most Obed.t Servant

Superint.g Engineer

From P.W.C. No. 2318

The Suptg. Engineer.
5th Circle

To

The Chief Engineer
P. W. Deptt.
Madras.

No. 79.

Dated 13th April 1882.
Recd. 15th

Enclosures 27
(7 Plans)

Improvements to the Buckingham Canal

Submits for sanction estimates for ——

OL. 21-4
Cir: 26:4:82
Duty 22/4 Duty 2/5

No. 1108 to Public & Civil

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2nd May 1882
Read the following

1108

From the Suptg. Engr.
5th Circle No. 79 of 13 April 1882

The undermentioned estimates are sanctioned against the annual budget grants in connection with work on the Buckingham Canal.

(1) Improving the Canal between 72 miles 2 furlongs & 75 miles 3 furlongs Rs 17,200, Register No. 12/1 of 1882-83.

(2) Raising the Canal Bank between 90 3/4 miles & 92 miles Rs 600, Register No. 12/2 of 1882-83

(3) Diversion of the Canal from 92 miles by 3/4 miles Rs 13,680, Register No. 12/3 of 1882-83.

(4)

(4) Improving the Canal from 93½ miles to 95½ miles to 7030, Register No 12/4 W of 1882-83

(5) Diversion of the Canal from 119 miles 3 furlongs to 120 miles 1 furlong at Ramathirtham, and from 122 miles 7 furlongs to 123 miles 6 furlongs at Sydere to 22,260, Register No 12/5 W of 1882-83.

2. These sanctions have been registered as Prov. No 12/1-2-3-4-5 of 1882-83 and classified as 33. Irrigation and Navigation works for which Capital and revenue accounts are kept. Capital Works.

Cy

21.4.82

25-4-82

Cir 21.4. for 1 to 4 only 22/4 Rets 2/5

S.E. 5 Circle with 22 encls.
Ex. P.W. accts with 5 Supte. abst. estimates.
Chief Engr for I
Board of Rev.

Receipts 12/5

23/8.

Govt. of {1881} Madras.

PUBLIC WORKS.

To.

Dated

Issued

Recd. Encl.

G. O., 2nd May 1882 No. 1108 W.

Nos. 17 to 18

Buckingham Canal

Estimate amounting to Rs 66,270 for improvement to the sanctioned -

Estd. in Receipt Regr