

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE.**Government of Madras.***Public works* **DEPARTMENT.**

G.O. No. 1925	Press
221-221A 222.	Mis.
Dated 13 - 8 - 1872.	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th August 1872.*

Read the following papers —

No 221. From the Superintending Engineer, 5th Division, to the Chief Engineer for Irrigation, dated Virdachellum, 18th July 1872, No. 89.

In reply to your letter of the 25th June, No. 111, I have the honour to inform you that Surveyor Walter and full complement of lascars were employed on the investigation of the Culveroyen Tank project from the end of December up to March last. The amount paid was Rupees 406-12-11, of which Rupees 237-5-7 were paid in 1871-72, and the balance, Rupees 169-7-4, in the current official year.

2 Surveyor Ramasawmy Row with a Draughtsman and six lascars are engaged in the investigation of the Pullagacherry project from May last, and their pay will be disbursed from the amount

1 Surveyor ..	..	..	..	RS 100	sanctioned in G. O No 1,279 of the
1 Draughtsman ..	..	..	..	50	14th May 1872. This establishment is
6 Lascars ..	..	..	..	36	likely to be required throughout the

current calendar year. The Surveyor is only paid 60 Rupees a month at present.

3. Surveyor Walter and lascars have been engaged since the 23rd of May on the storage project in connection with the Pelandorai Anicut Their services may be required for six months from

Surveyor ..	..	..	..	RS 100	that date. The pay of this establishment
6 Lascars ..	..	..	..	36	is being charged (from 23rd of May)

to the amount sanctioned for storage (Rupees 20,730). All other survey charges have been met from the amounts sanctioned for Survey Establishment.

No. 131.

No. 221 A. *Note by the Acting Chief Engineer for Irrigation*

On the 4th April the Acting Superintending Engineer of the 5th Division submitted a statement of establishments required for the investigation of projects in 1872-73. These were the Culveroyen and Pullagacherry Anicut projects; relative to the former Captain Vertue had reported in general terms in January

last, but he had given no idea of the area of land likely to be brought under cultivation, or to be under the command of the proposed reservoir, or of the quantity of water likely to be stored, while in the list of establishment, stated to be required for the investigation of the project, the grounds for supposing that the project would be undertaken from Loan Funds were that the project was likely to be a large one. As these grounds were insufficient, and as Colonel Foord, who has known the district for years, returned to the 5th Division early in April, he was called upon to afford more detailed information relative to the proposed

Culveroyen Reservoir project From his report it appeared that the Reservoir was to be formed by an embankment 40 feet high; that it was to cover an area

*Proceedings of the Madras Government, Public Works Department,
13th August 1872*

of 10 square miles, and to have a mean depth of 24 feet of water in it. As the drainage area of the basin proved to be only 75 square miles, it was probable that the tank, which would contain about 240 millions of cubic yards of water, would only fill in exceptional years when the rain-fall amounted to 60 inches, and that, if the works cost only five lakhs, from 1,500 cubic yards of water in bad years to about 9,600 in good years would be stored per rupee, and as the channel from the Reservoir to the Ponnair would cross all the drainage of the country, and would, therefore, have been costly, the Superintending Engineer was informed that a project for the Culveroyen Reservoir need not be investigated. Colonel Foord's opinion relative to the inadvisability of conducting investigations relative to this project, I may mention, accorded with mine, and is expressed as follows:—
"Captain Vertue's statement that the cost is likely to be several lakhs of rupees, in my opinion practically condemns the project."

2. It appears that Captain Vertue in December appointed a Surveyor of the name of Walter, whom Colonel Foord describes as 'an inexperienced youth,' to survey the site of the reservoir. The Surveyor was attacked by fever and was unable to complete the contour of the reservoir.

3. Mr. Walter's salary* and that of his establishment from December 1871 to the 31st March 1872 appears to have amounted to Rupees 406-12-11, of which Rupees 237-5-7 were paid in 1871-72 and Rupees 169-7-4 in the current official year, the amount having been disbursed by order† of Captain Vertue from a sum of Rupees 20,000 and odd allowed in the Pelandorai Anicut project for the storage of water.

4 The amount of Rupees 406-12-11 cannot be charged to the Pelandorai project with which the Culveroyen Reservoir has nothing to do. Mr. Walter and his establishment have been employed from the 23rd May in surveys relative to the storage project in connection with the Pelandorai Anicut project, the maturing of which was directed in G. O. No. 842, dated 26th March 1872. This

establishment, the cost of which will amount to Rupees 816, should not be charged to the sum provided for storage, but from Loan Funds from which the project is being executed.

OOTACAMUND,
29th July 1872.

(Signed) R. F. OAKES, Captain, R E,
Acting Chief Engineer for Irrigation.

No. 222. ORDER THEREON, 13th August 1872, No. 1,925.

IRRIGATION, No. 10.

THE Governor in Council regrets to find from the papers recorded at the head of these Proceedings that a sum of Rupees 406-12-11 has been expended uselessly in making investigations relative to

*Proceedings of the Madras Government, Public Works Department,
13th August 1872.*

the Culveroyen project, which both the Superintending Engineer and the Acting Chief Engineer for Irrigation condemn, apparently on good grounds.

2. These investigations appear to have been undertaken, without any sanction from higher authority, under the orders of Captain Vertue, who appears to have directed that the charges incurred should be defrayed from an allotment for the Pelandorai project, with which the investigations have nothing whatever to do. The amount expended cannot be debited to the Pelandorai project, but, before determining how the amount is to be charged, the Government resolve to call upon Captain Vertue for explanation relative to the commencement of the investigation before the sanction of the requisite establishment had been obtained, and to the charge of the cost of the establishment to the Pelandorai project.

3. The Government sanction Rupees 816 for the establishment for the investigation of the project for storage in connection with the Pelandorai project from the allotment from Loan Funds, sanctioned by the Government of India in paragraph 4 of their letter recorded in G. O. No. 935, dated 9th April 1872.

(True Extract.)

Captain, R.E.,

Acting Joint Secretary to Government.

To the Superintending Engineer, 5th Division
To Captain J. Vertue.
To the Acting Chief Engineer for Irrigation
,, Controller of Public Works Accounts

Exd S. T. Austin.

No 89.

Recd. to [unclear]

P 1

Supg. Engrs Office, 5th G.
Vindobannum 18th July 1872.

From

The Superintending Engineer
5th G.

To

The Chief Engineer
for Irrigation.

Sir,

In reply to your letter of the 25th June N^o III, I have the honor to inform you that Surveyor Walter and full complement of lascars were employed on the investigation of the Pulvercyen tank project from the end of December up to March last. The amount paid was Rupees 406-12-11 of which Rupees 237-5-7 were paid in 1871/72 and the balance Rupees 169-7-4 in the current official year.

2. Surveyor Ramaswamy Row with a draughtsman and six lascars are engaged in the investigation of the Pullagachery project from May last and

and their pay will be disbursed from
the amount sanctioned in G. O. No 1279, of the 14th May 1892. This
Establishment is likely to be required
throughout the current calendar year.
The Surveyor is only paid 60 rupees a
month at present.

1 Surveyor Rs 100
1 Draughtsman
Rs 50
6 Lascars Rs 36

3. Surveyor Walter and Lascars
have been engaged since the 23rd of May
on the storage project in connection
with the Pelindaba Ammunition. Their
services may be required for six months
from that date. The pay of this es-
-tablishment is being charged (from
23rd of May) to the amount sanctioned
for storage (Rs. 20,730). All other
survey charges have been met from
the amounts sanctioned for survey
Establishment.

Surveyor Rs 100
6 Lascars, 36

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

Edw. M. Coll. R.E.
Sup: Engineer, 5th Dⁿ

supposing that the Project would be
 undertaken from Loan Funds, were
 that the Project was likely to be a
 large one; As these grounds were insuffi-
 cient & as Colonel Flood who has
 known the District for years returned
 to the 5th Division early in April he was
 called upon to afford more detailed
 information relative to the proposed Cul-
 verogen Reservoir Project. From
 his Report, it appeared that the
 Reservoir was to be formed by an em-
 bouchment 40 feet high, that it was
 to cover an area of ten square miles
 & to have a mean depth of 24 feet
 of water in it. As the drainage area
 of the basin proved to be only 75 square
 miles it was probable that the tank,
 which would contain about 240 mil-
 lions of cubic yards of water, would
 only fill in exceptional years when

at 57-1 June

The Annual
 Storage costs
 only the in-
 terest of the
 Capital laid
 out. Hence
 Capt. Oudego
 figures sh.
 be multiplied
 by 20 - (at
 5 percent in-
 terest).

when the rain fall amounted to 60 inches
 and that, if the Works cost only
 5 laes, from ^{1500?} 75 cubic yards of water
 in bad years to about ^{9600?} 480 in good
 years would be stored per Rupee,
 and as the channel from the Re-
 servoir to the Pomari would cross all
 the drainage of the Country and would
 therefore have been costly, the Superinten-
 ding Engineer was informed that a Pro-
 ject for the Culverogen Reservoir need
 not be investigated. Colonel Flood's
 opinion relative to the inadvisability of
 conducting investigations relative to this
 Project, I may mention, acceded with
 mine & is expressed as follows. 'Captain
 Virtue's statement that the cost is likely
 to be several laes of Rupees, in my
 opinion, practically condemns the Project.
 2. It appears that Captain Virtue

in December appointed a Surveyor of the name of Walter whom Colonel Ford describes as an inexperienced youth to survey the site of the Reservoir. The Surveyor was attacked by fever & was unable to complete the Contour of the Reservoir.

3. Mr. Walter's salary & that of his Establishment from December 1871 to the 31st March 1872 appears to have amounted to Rupees 406-12-11

of which Rupees 237-5-7 were paid in 1871/72 & Rs 169-7-4 in the current official year; the amount having been disbursed by order of Captain Virtue from a sum of Rs 2000 & odd allowed in the Pelandrai Ament Project for the storage of water.

4. The amount of Rs 406-12-11 cannot be charged to the Pelandrai Project

para 2 of
No 57-1 June

Rs 100

Rs 89-18 1/2

* See para 5
of Col Ford's
Letter No 57-
1st June

136 x 5 = 816

Project with which the Culvergen Reservoir has nothing to do. Mr. Walter & his Establishment have been employed from the 23rd May in surveys relative to the storage project in connection with the Pelandrai Ament Project the maturing of which was directed in L.O. No 842 dated 26th March 1872. This Establishment, the cost of which will amount to Rs. 816, should not be charged to the sum provided for storage but from Loan Funds from which the Project is being executed.

Ostacamma 3 // F. J. a Captain R
29 July 1872 as Chief Engineer for Irrigation

To The Secretary to Govt
J. W. D.

6

The Secretary to
Port Jervis.

12131

dated 29th July 72
Kerala 30
Kerala 8th Aug 72

See. 1. Note on the letters

of the Snake River S. on Nyan
the pink blue to the purple
this satellite faintly
in 1899/72 & 73 the middle
in which they were empty
investigating the Gibson
Recess West-also the
satellite faintly and
1' away in connection with
they Tabulara since
of 1899/725-13. *Healy*

10221

grounds

These investigations appear to have been undertaken without any sanction from higher authority under the orders of Captain Virtue who appears to have directed that the charges incurred should be defrayed from an allotment for the Pelandrai Project, with which the investigations have nothing whatever to do. The amount expended cannot be debited to the Pelandrai Project, but, before determining how the amount is to be charged

the

The Government resolve to call upon Captain Virtue for explanation relative to the commencement of the investigation before the sanction of the requisite establishment had been obtained and the charge of the cost of the establishment to the Pelandrai Project.

3. The Government sanction Rs 816 for the establishment for the investigation of the Project for storage in connection with the Pelandrai Project

Project from the allot-
ment from Loan Funds
sanctioned by the Govern-
ment of India in para
4 of their letter recorded
in G.O. No. 935 dated
9th April 1872

W. F. A.
W. F. A.

35
5

17
H. 502 W. F. A.
Capt. W. F. A.
Ch. Engr. for Engrs.
Controller & Secy. 20-8-72

Ch 3846.

Govt. of 1872 Madras.

PUBLIC WORKS.

To
The Superintending Engineer
5th Division

Dates

Recd.

Encl /

G. O. 18 Aug 1872 No. 1925.

Nos. 221 - 222

Pelandorai Project. The amount
of Rs. 816 for the rehabilitation
for the investigation of the project
for storage in connection with
the Pelandorai Project, sanctioned
by the Government called upon to
explain relative to the commencement
of the investigation before obtaining
sanction to the requisite rehabilitation
work & the change of the project.