

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

REGISTRATION DEPARTMENT.

G.O. No. 2006	Press Mis.
441-42	
Dated 21/1/18	18/1/18

Not to be folded or roughly handled

No. 441. Read the following Endorsement of the Acting Chief Engineer for Irrigation, dated Fort St. George, 4th June 1869, No. 202:—

Read the following letter from the Acting Superintending Engineer, 4th Division, to the Acting Chief Engineer for Irrigation and Joint-Secretary to Government, Public Works Department, dated Camp at Punur, 22nd May 1869, No. 1,032:—

I HAVE the honour to forward, to be laid before Government, for sanction the accompanying papers connected with a small irrigation project for bringing water from the Samanjeepooram river to irrigate the lands of Coopum* village in the Arcot Talook, Vellore Range, North Arcot District.

- 2 Estimates.
- 1 Plan.
- 1 Report.
- 1 Copy of Sub-Collector's letter.

* Latitude 12° 51' 30", Longitude 79° 19'.

2. The works to be executed are the excavation of a channel 2,400 feet long and four-and-a-half feet wide at bottom, with side slopes of 1 to 1, and the construction of a sluice at the head of the same at an aggregate cost of Rupees 635.

3. I returned these plans for fuller information in November and April last, and Lieutenant Brockman's revised report now received will give all the information required, and show that the extent of the Coopum lands is eighty cawnies, upon which dry grain only is cultivated. The proposed channel will not interfere with the supply of existing channels, and the Samanjeepooram river being always well filled, will yield, it is stated by the returns received from the Collector, an increase of revenue of Rupees 315, which is sixty per cent. on the contemplated outlay.

4. The estimate has been countersigned in token of approval by the Collector of North Arcot.

* No. 170, dated 26th April 1867.

5. I forward copy of a letter* from the late Sub-Collector of the district on the subject.

THE project, submitted for sanction by the Superintending Engineer, 4th Division, provides for cutting an irrigation channel, from the Samanjeepooram hill stream, to irrigate eighty cawnies or 105 acres of land in the village of Coopum, North Arcot District, at a cost of Rupees 600; and for the construction of a head, or regulating, sluice, the estimate for which is Rupees 35. The bottom width of the channel will be four-and-a-half feet, and the fall at the rate of two-and-a-half feet per mile, the length of the channel being 800 yards. With a depth of six inches of water, which the Assistant Engineer has ascertained to be available in ordinary seasons from November to February, the discharge of the channel would be 415 cubic yards an hour, or nearly four cubic yards per acre per hour, which will be ample, but not more than sufficient in a channel having a depth of but a few inches, and in which, therefore, very slight inequalities or accumulations would materially affect the supply. The Sub-Collector reports that the execution of the project will lead to an increase of

Proceedings of the Madras Government, Public Works Department.
21st June 1869.

revenue of Rupees 315, or about fifty per cent. on the total Rupees 635 of the estimates.

(Signed) J. MULLINS, Major, R. E.,
Acting Chief Engineer for Irrigation.

No. 442.

ORDER THEREON, 21st June 1869, No. 2,006.

IRRIGATION, No. 18.

SANCTIONED.
2. The amount of the estimate, Rupees 635, will be met from the Reserve under "Agricultural."

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 4th Division.
" Controller of Public Works Accounts.
" Accountant-General.
" Revenue Department.
" Chief Engineer for Irrigation.

Exd. S. T. Augustin.

Revenue Irrigation

Detailed Estimate No. 59 of 1868/69
District North Arcot Taluk Arcot
Village No. Coopum

Work

Constructing a Head Sluice for the Spring channel from
Sannagespore to Coopum village

Particulars of work	Measurement	Cost
Foundation to Head Sluice	1 22 3 3	198
Superstructure	1 22 2 6	264
Total cubic feet	1 4 62 2	18
Product for Vant		444
Remaining cubic feet		16 12
Cubic yards of Rough stone in channel	2 10 3 6	123
Plastering to Face walls	2 2 2 2	8 6
Do to Interior side walls		121
Total Square feet	2 4 6 2	18
Product for Vant		113
Remaining Square feet		1 13 100
Squares of channel Plastering	1 22 3 3	198
Excavation to Head sluice	2 8 92 4 6	157 6
Do to side walls		353 6
Total cubic feet		16 24 27
Cubic yards of Earth work		

Quantity	Items of work	Rate	Amount	Total
16 12 27	Cubic yards of Rough stone in channel	1 12 28 137		
1 13 100	Squares of channel Plastering	2 2 4 2		
16 24 27	Cubic yards of Earth work	1 1 1 11		
2	Stone Slabs	1 4 2 8	34 10 8	5 4 16
	Total Estimate Rupees thirty five only		35	

No. 402 Vellore Range Office
Vellore 25th November 1868

W. S. Ahmady Esq. B. E.
Assistant Engineer Vellore Range

W. S. Ahmady Esq. B. E.
Superintendent

& the
 Orleans Colonel R. B.
 Supp. Inf. 4th Div.

Report to accompany the Plan and Estimate for the excavation of a Channel from the Samanjerapuram Hill Stream to carry spring water from the same to irrigate certain lands attached to the village of Loosum in the Arcot Taluk of the Vellore Range N.A. District.

The lands proposed to be irrigated comprise 80 cawnies upon which hitherto dry crops have been raised and an assessment paid accordingly averaging Rupees 2 per caunie. These lands are on the Southern bank of the Samanjerapuram Hill Stream, down which there is always a flow of spring water even in the driest seasons, so much so as to have merited its being termed the Caving Odai, from its similarity in this respect to the perennially flowing river of that name. The rain fall during the months of October to January last did not exceed 6" instead of 20" which is the accepted ordinary monsoon rain fall of the Arcot District. With this scanty rain fall however on visiting the Hill Stream on the 5th May of the year, spring water was flowing over the whole bed of the Channel and was being utilized by the numerous channels (7 in number) which irrigate the lands on the South bank of the channel. Below the lowest channel, that of Punfanor, there was abundant water flowing until it was absorbed into the sandy bed some considerable distance to the eastward. From inquiry amongst the villagers of the adjoining villages who benefit by the water from the Hill Stream, I learnt that from November to February if the rain fall has been ordinarily good the flow of spring water down the deep bed is about 6" in depth. The fall of the Hill Channel is found to be no less than 36 feet per mile, and the average width of deep bed 18 feet. With these data the flow of water down it amounts to no less than 6420 Cub. Yards per hour or sufficient at the rate of 4 Cub. Yards per hour per caunie to irrigate 1605 Cawnies. Below the site proposed for the channel head five spring channels exist which cultivate in the aggregate 180 Cawnies, so that there is water to spare for cultivating even 1450 Cawnies after the former are provided for. The fall of the Loosum proposed Channel is 2 1/2 feet per mile, with a sole width of 4.5 feet and side slopes 1 to 1. The depth of water going down

7
General Navigation

Shan Mork

Colonial Estimate

of 53 of 1869/70

Colonial Estimate

of 53 of 1869/70

Colonial Estimate

of 53 of 1869/70

Colonial

cutting spring channels

from a source of water

to irrigate the lands of Loosum

village

Colonial Estimate

down the channel is taken at 6", and with this depth the discharge available for irrigating the 80 cawrees referred to above amounts to 1515 Cub. Yds. or 95 Cub. Yds. per hour more than is required for that purpose. A fall of 2" of rain at the head of the valley from which the Samanpuzeram Hill Stream descends, is sufficient to bring it down in a flash of 6 feet depth in the neighbourhood of the site for Croppan channel head. Only two freshets altogether came down the Hill Stream from September last up to the present month, and yet the channel has been from an abundant flow of spring water down it. During the four years I have had charge of the Vellore Range, I have never known the Hill Stream to be dry. In the estimate herewith returned, the rate for earthwork has been raised from one anna to one anna and three pie, as there is a likelihood that the work will meet with early sanction, and higher rates will be necessary to excavate the channel in the present hard baked condition of the ground through which it runs. The percentage of profit accruing from the work is thus nearly 50 per cent, but as it is most likely that after March in every year a second crop can be raised off 40 cawrees of the land the aggregate annual profit to Government may be taken at 7500 per cent.

W. B. Inman, Lieut. R. Co.
Appt. Engineer Vellore Range

Vellore Range Office
Vellore, 8th May 1889.

275

11. 23. 43. 57

1/24 3/69

No. 1032.

Sup. Engr. Office, 10 D.
Camp Panar 22nd May 1869.
1147

From,
Lieut. Colonel J. Bean R.E.
Asst. Superintending Engineer, 10 D.

To,
Major J. Mullins R.E.
Asst. Chief Engineer for Irrigation
and Joint Secretary to Government
Public Works Dept.

Sir,
I have the honor to forward to
be laid before Government for sanction
the accompanying papers, connected with a
small irrigation project for bringing water
from the Gomanjee pogram river to irrigate
the lands of Coopum village, in the Arcot
Taluk Vellore Range North Arcot District.

x Latitude 12. 51. 30
x Longitude 79. 19. 00

2
The works to be executed are
the excavation of a Channel 2400 feet
long and 4 1/2 feet wide at bottom with side
slopes of 1 to 1 and the construction of a sluice
at the head of the same, at an aggregate
cost of Rupees 635.-

3
I returned these plans for fuller
information in November and April last
and Lieutenant Brockman's revised
report

report now received will give all the information required and shew that the extent of the Coohum lands is 80 Cawans, upon which dry grain only is cultivated. The proposed Channel will not interfere with the supply of existing Channels, and the Samunjeputam river being always well filled, will yield it is stated by the returns received from the Collector, an increase of revenue of Rupees 315 which is 60 per cent on the contemplated outlay.

4 The estimate has been countersigned in token of approval by the Collector of North Arcot.

5 I forward copy of a letter from the late Sub Collector of the District on the subject.

No. 170 of 26-4
April 1867

I have the honor to be

Sir

Your most obedient servant

Wm. L. Collett.
Ag. Sup. Eng. & D.

Dec 1

No. 170.

North Arcot Sub Collector's Office
Tellore 26th April 1867.

From the Honorable J. C. St. Clair 131
Sub Collector of North Arcot.

To, Mr. D. Booth
Supervisor Wallajah Range Rameswari

Sir,
I have the honor to forward here-
with, copy of Arcot Tahsildar's Arzi No. 521 of 1866 and its original records recommending the excavation of a new channel for the irrigation of the lands in the village of Cophum. I would observe that with the present means of irrigation, all the wet lands included in the Ryacut cannot be sufficiently cultivated, that this wants at times, causes shari in the village and that by executing this work there will be an increase of Rs. 315 in the Annual heriz.

I have therefore the honor to request that the work in question may be executed.

I have the honor to
/Signed/ J. C. St. Clair
Sub Collector.

(True Copy)
/Signed/ P. R. C. Brockman Esq. B.A.
Assistant Engineer Tellore Range

(True Copy)
/Signed/ W. L. Collett Esq.
Asst. Sup. Engr. to the Govt.

Tellore Range Office
Tellore 30th Nov. 1868

170 of 26-4
April 1867

From
The Asst. Engr. in Charge
of the Ryacut Engrs.
for irrigation and lands
belonging to the Ryacut.
Copy to Mr. St. Clair
Tellore 26th April 1867.
Dated 26th April 1867.
J. C. St. Clair
Sub Collector.

Memorandum for the Honorable
J. C. St. Clair Esq.
for a small
irrigation project for
bringing water from the
Dandakottam river to
the village in the Ryacut
Tellore Range
North Arcot District

No 202.

Memorandum.

Source 6-

11.2343/64.

The project, submitted for sanction by the Superintending Engineer 4th Division, provides for cutting an Irrigation channel, from the Samanjepporam hill stream, to irrigate 80 Cawms or 105 acres of land in the village of Cosum, North Arcot District, at a cost of Rupees 600, and for the construction of a head, or regulating sluice, the estimate for which is Rupees 35. The bottom width of the channel will be $1\frac{1}{2}$ feet, & the fall at the rate of $2\frac{1}{2}$ feet per mile, the length of the channel being 800 yards. With a depth of 6 inches of water, which the Assistant Engineer has ascertained to be available in ordinary seasons from November to February, the discharge of the channel would be 1,115 cubic yards an hour, or nearly 4 cubic yards per acre per hour, which will be ample, but not more than sufficient in a channel having a depth of but a few inches, & in which therefore very slight

slight inequalities or accumulations would materially
affect the supply. The Sub Collector reports
that the execution of the project will lead to
an increase of Revenue of Rs 515, or about
50 per cent on the total Rs 1035 of the ra-
tionalized project.

Fort St George, Colombo
4 June 1869
Major R
Acting Chief Engineer for Irrigation
To

The Secretary to Government
Public Works Dept

To
P
C

2 June 1869 - Dr. 103

No 144

No 202 - 21st June 1869

[Faint, mostly illegible handwritten text in the left margin]

To
 The Secretary to
 Government of Madras
 The Acting Chief
 Engineer for Irrigation
 Dated 4th June 1869
 No 202
 Encd. 6
 Permits for the
 sanction of Government
 estimate plan for a
 small irrigation project
 for bringing water from
 the S. many reservoirs near
 to irrigate the lands of
 certain villages in the
 North West District
 No 202 - 21st June 1869

P.W. Dept - 197
 No 2006
 Proceedings of the Madras Government.
 Under date the 2nd June 1869.
 Read the following
 From the Actg Chief
 Engineer for Irrigation (Here enter No 202 of 4th June 1869)

Sanctioned -

2. The amount of
 the estimate, Rupees
 635, will be met
 from the Reserve
 under "Agricultural".

To
 The S. Engr 4th Div ✓
 Controller of P.W. Works ✓
 Secy. General ✓
 P.W. Dept ✓
 Chief Engr for Irrigation ✓

51/6
 531. 532. 533. 534. 535. 536. 537. 538. 539. 540.

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Ac 2343

Govt. of 1869 Madras.

PUBLIC WORKS.

The Superintending Engr.
4th Division

Dated

Read

vi. 6

G. O. 21st June 1869. No. 2075

Nos. 441-442

Samaiyaseppuram river Estimate
amounting to Rs 635 for bringing
water for bringing water from the
Samaiyaseppuram river to irrigate
the lands of Coorun Village
in the North Arcot District, Tanjore
District.