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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2797 Press / Mis.

76-78

Dated 4 · 11 · 1871 .

Not to be folded or roughly handled

No. 76. Read the following papers :—

From the Superintending Engineer, 8th Division, to the Acting Chief Engineer for Irrigation, dated Camp at Sholapuram, 19th September 1871, No. 2,245.

I HAVE the honour at the request of the Collector to forward herewith, for the sanction of Government, an estimate of Rupees 3,000 for connecting the two small tanks of Kilanuthum in the Tinnevelly Talook, Tinnevelly District, so as to form a third tank to head up a much larger water-supply, and bring the entire single crop area of these tanks under double crop cultivation.

1 Estimate.
3 Copies of letters.

2. The return from the work, as stated by the Collector, will be Rupees 280 per annum.

3. The estimate in question was first submitted to this office by Sub-Engineer Mr. McNair on the 31st December 1870, stating that it was prepared at the request of the Collector, and that the work was commenced two years ago and carried out to the extent of Rupees 2,000 by the ryots concerned. Captain Ryves, who was then in charge of the division, returned the estimate for retransmission with certain plans and sections.

4. Executive Engineer Mr. Rundall has, however, returned the estimate with the accompanying report* on the tank in question, with a request that the amount of the Government contribution in aid of the work may be settled with the Collector. On referring the matter to that gentleman, Mr. Puckle suggests† that 1,500 Rupees, or one-half of the cost of the Kilanuthum tank, may be debited to Government.

* No. 101 of 5th June 1871.

† *Vide* letter No. 122 of 22nd June 1871, copy enclosed.

5. As I have subsequently ascertained that the work is almost completed from funds subscribed by the ryots, and as there is no one now available in the division to take the survey and levels suggested, I am of opinion that it is bootless to defer the completion of the tank until the plans and surveys in question can be completed, the more especially as the special object of their preparation has already passed.

6. Under these circumstances, I request that the Government will be pleased to sanction the estimate and to grant the moiety, *i.e.*, Rupees 1,500, from the Reserve* under Agricultural debitable to Imperial Funds, so as to admit of the work being completed before the setting in of the north-east monsoon.

* *Vide* G. O., No. 389, dated 8th February 1871, paragraph 10.

7. The Collector's last letter on this subject, No. 182, dated 4th instant, urging the early settlement of the ryots' claim is also enclosed for information.

No. 165.

No. 77. *Note by the Acting Chief Engineer for Irrigation.*

WITH letter No. 2,245, dated 19th September, the Superintending Engineer, 8th Division, forwards an estimate of Rupees 3,000 for connecting two small tanks

of Kilanuthum thereby increasing their capacity with the object of storing water to admit of the land under the original tanks being cultivated with a second crop, the return from which the Collector estimates at Rupees 280, or at the rate of Rupees 1-4-0 per acre.

2. No intimation is given of the capacity of the tank when thus enlarged, and though information on this point was called for by the late Superintending Engineer, the Executive Engineer returns the estimate with certain modifications, stating that, as seven-eighths of the entire work had been completed, it would be a mere waste of time to carry out the investigations now, and the Collector, in returning the estimate, states that the estimate has actually been completed by the villagers, and requests that a moiety of the estimate may be paid at once to the villagers.

3. The tank, it appears, is supplied from the Paulien channel, which branches from the Tambrapoorney river from above the Pahlavur anicut, and as the river is under the influence of both monsoons, it is probable that a very small supplemental supply would suffice to bring the two crops to maturity and this supply the tank is designed to store and the river will doubtless afford.

4. As the channel by which the tank is to be supplied is provided with a head-sluice, and as the bank of the Paulien channel is said to intercept all drainage, the provision of a surplus calingulah is unnecessary.

5. That the proprietors of the land dependent upon the tank are of opinion that its construction will be highly beneficial to them may be judged from the fact that they are willing to contribute a moiety of the cost of the work.

6. It is not clear whether the villagers obtained permission directly or indirectly to commence operations. It is not desirable that works should be put in hand until the plans and estimates have been duly approved and passed and sufficient evidence has been adduced that the works will be of a remunerative character, in the case in point happily the construction of a useless surplus weir has been prevented.

7. As the reserve adverted to in G. O., No. 389, dated 8th February has been exhausted, and as no further outlay appears now to be required for the tank, provision may be made for the moiety the Government has been asked to contribute from the reserve in 1872-73, or from any balances from the allotment for Minor New Works, which may prove to be available later in the year if it is found that the work executed *answers* its purpose, and that a second crop can be raised on the lands dependent on the Kilanuthum tank.

FORT ST. GEORGE,
3rd October 1871.

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

No. 78. ORDER THEREON, 4th November 1871, No. 2,797.

IRRIGATION, No. 3.

THE Government learn from these papers that certain works designed to connect two small tanks at Kilanuthum in the Tinnevelly Talook with the object of increasing their capacity and of storing water for a second crop cultivation had been commenced by the villagers, although it does not appear on what authority, and that nearly two years after, or in

December 1870, when work to the extent of nearly 2,000 Rupees had actually been finished, the Range Officer, at the request of the Collector, prepared and submitted an estimate, amounting to Rupees 3,000, to the then Superintending Engineer, who called for information regarding the proposed capacity of the tank when enlarged with plans and sections; but the works had so far advanced towards completion that no useful purpose could be served by taking the necessary levels, etc., although the further investigation into the nature of the works to be carried out resulted in preventing an unnecessary outlay in the construction of a useless surplus weir.

2. The anticipated return on the outlay of Rupees 3,000 is given at Rupees 280, or a little more than 9 per cent. The work has now been fully completed, and the Collector requests that sanction may be obtained for the disbursement to the villagers of a *moiety* of the estimated expenditure.

3. The Government have no reason to doubt that the works in question will prove useful and remunerative, and the interest displayed by the villagers themselves in contributing labour representing half the outlay is sufficient evidence of the fact, but these considerations should not be held to outweigh the necessity for a strict adherence in future to the rule that works should not be undertaken except on sanctioned plans and estimates, and with a specific assignment of funds. It is evident that if this fundamental rule of the department be allowed to be departed from, encouragement will be afforded to unprofitable outlay on ill-considered schemes, the advantages of which are likely in many instances to be overrated.

4. On receiving the assurance of the Collector that the works which have been carried out answer their purpose, the contribution of Government will be provided in the manner suggested in paragraph 7 of the Acting Chief Engineer's note.

(True Extract.)

(Signed) J. CARPENDALE, Colonel, R.E.,
Secretary to Government.

To the Acting Chief Engineer for Irrigation.
,, Superintending Engineer, 8th Division.
To all other Superintending Engineers.
,, Revenue Department.
,, Board of Revenue.

a Controller para

Ed. E. C. Shunker.

No. 2245

Superintendg Engr 8th Qrs
Camp Sholasuram 19 Sept 1871

From

The Superintending Engineer
8th Division

To

The Acting Chief Engineer
& Joint Secretary to Govern.t

Sir,

Encls: 4.
1 Estimate
3 Copies of Letters

I have the honor, at the re=
=quest of the Collector, to forward
herewith for the sanction of Govern=
=ment an Estimate of Rs 3000 for
connecting the two small tanks
of Kilakutheru in the Tinnevelly
Taluq Tinnevelly District, so as
to form a third tank to head up
a much larger water supply & bring
to entire Single crop area of these
tanks, under double crop cultivation
2 ||| The returns from the
work as stated by the Collector will
be Rupees 280 per Annum.

3 The Estimate in question was first submitted to this Office by Sub Engineer Mr McNair on the 31st December 1870, stating that it was prepared at the request of the Collector, and that the work was commenced 2 years ago, and carried out to the extent of Rs 2000 by the ryots concerned. Captain Rynes, who was then in charge of the Division returned the estimate for retransmission with certain Plans & Sections.

4 Executive Engineer, Mr Rundall has however returned the Estimate with the accompanying Report on the Tank in question with a request that the amount of the Government contribution in aid of the work may be settled with the Collector. On referring the matter to that Gentleman, Mr Pickles suggests that 1500 Rupees, or one

† Vide letter No 101 of 5th June 1871

‡ Vide G O No 389. dated 8th February 1871 para 10

§ Vide letter No 122 of 22nd June/71 Copy enclosed

half of the cost of the Pilamuthum Tank may be debited to Government

5 As I have subsequently ascertained that the work is almost completed, from funds subscribed by the ryots, and as there is no one now available in the Division to take the Survey & Levels suggested, I am of opinion that it is worthless to defer the completion of the Tank until the Plans & Surveys in question can be completed, the more especially as the special object of their preparation has already passed.

6 Under these circumstances, I request that the Government will be pleased to sanction the Estimate and to grant the money ex Rs 1500, from the Reserves under Agricultural, debitable to Imperial funds, so as to admit of the work being complet-ed before the setting in of the N E Monsoon.

7 The Collectors last letter

on the subject No 182 dated 4th Instant
urging the early settlement of the Boyds
Claims as also enclosed for information.

I have the honour to be
Sir
Your most Obedt Servt
Richd Norris Lt Col RE
Superintending Engr &c.

To The Secy to Govt
Mm. Dept. No 165 3rd
Oct. 1871

No 2345
From Supt Engr N 618
The Supt.g Engineer
8th Division

To
The Chief Engr
& joint Secy to Govt
P W D

Dated 19th Sept.r 1871
Rec.d 26th "
P. W. 4715/71 Encls 4

Forwards an estimate
of Rs 3000 for enlarging
& improving Kodlas
-mattum Tank in
Tinnevelly District,
& requests that the Govt
will be pleased to
sanction the estimate
& to grant the money
from the Revenue under
Agricultural

No 76

Enclosures 5

No 165

Note by the Acting Chief Engineer for Irrigation

With Letter No 2345 dated 19th September the Superintending Engineer 8th Division forwards an Estimate of Rs 3000 for enlarging two small tanks of Kodlamattum thereby increasing their capacity with the object of storing water to admit of the land under the original tanks being cultivated with a second crop. The Return from which the Collector's Estimate at Rs 280 is at the rate of Rs 1/4 per acre.

2. Information is given of the capacity of the tank when thus enlarged & though information on this point was called for by the late Superintending Engineer, the Executive Engineer returns the Estimate with certain modifications, stating, that as 7/8 of the entire work had been completed, it would be a mere waste of time to carry out the ameliorations, nor the Collector in returning the estimate, states, that the estimate has actually

actually been completed by the villagers & requests that a moiety of the estimate may be paid at once to the villagers.

3. The Bank at present is supplied from the Paulien Channel which branches from the Tumbarpornum River from above the Sahlarai anicut & as the River is under the influence of the tide, it is probable that a very small supplemental supply would suffice to bring the two crops to maturity. The supply the Bank is designed to store the River will doubtless afford.

4. As the Channel by which the Bank is to be supplied is provided with a head sluice so as the Bank of the Paulien channel is raised to intercept all drainage the provision of a surplus Calingula is unnecessary.

5. That the Proprietors of the land dependent upon the Bank are of opinion that its construction will be highly beneficial to them may be judged from the fact that they are willing to contribute a moiety of the cost of the Work.

6. It is not clear whether the Villagers obtained permission directly or indirectly to commence operations. It is most desirable that Works should be put in hand until the Plans & estimates have been duly approved & ample sufficient evidence has been adduced that the Works will be of a remunerative character in the case in point happily the construction of a useless surplus Weir has been prevented.

7. As the Reserve advertised in G.O. No 389 dated 8 February has been exhausted & as no further outlay appears now to be required for the Bank provision may be made for the moiety the Government has been asked to contribute from the Reserve in 1872/73 or from any balances from the allotment for minor New Works, which may prove to be available later in the year if it is found that the work executed answers its purpose and that a second crop can be raised on the lands dependent

J.

Pd 8 February/71 Rs 186.1/0

P.W. 1871 Depart
From
No 2715
The Deputy Executive
Engineer for Irrigation
To
The Secretary to
Government Mad

Dated 3rd
Recd 3rd } October 1871
Recd 4th
Rs 1600 Estimate Sept 1871 to be charged to Head No 165
Enclosures 5 Plans & Estimate

Note on an Estimate of Rupees 3000 for enlarging and improving Kelavanattam Tank Tanjore Distt

No 2997 dated 4th Nov/71

A. 77

Pd 6 Oct 71 R. 9 Ds

Palamcottah
5th June 1871.

No 101

13.

From
The Executive Engineer
Tinnevelly
To
The Superintending Engineer
8th Division.

Sir,

With reference to your Office Memo No 2877, A. the 9th February, returning Mr. Pre. Nair's Estimate for forming a new Tank at Kilavanattam, I have the honor to report that I have inspected the ground and site of the proposed Tanks and found that almost 7/8th of the entire work has already been carried out by the Villagers.

2. I beg to forward herewith a plan of the existing and proposed Tanks together with the Estimate as originally prepared. The Banks are almost entirely Completed one Sluice has been built and materials have been Collected for the second Sluice.

3. The Execution of this work is I believe one on which Mr. Pickle is much interested, and the Estimate forwarded

forwarded to you was prepared at his wish, the object being to store more water from the Palicin Channel (from Pablavaur Anicut) than the old Tanks were capable of storing so as to ensure a water supply for the second Crop. The scheme is in itself both sensible and useful.

4. I think that from Major Eyre's Memo the real case was never properly put before him. The proposed Tank will be supplied by a sluice at A. There is also an old Calingulah the object of which I cannot ascertain and which I see by the estimate it was proposed to Bank over, there can be no objection to this.

5. There is provision in the Estimate for a Bridge and surplus Calingulah in the North End of the New Bank. I cannot see the necessity for this, if the Tank is too full the sluice can be closed and there is the Palicin Channel Bank immediately above the Tank to intercept all drainage. The ryots showed me the site where they proposed to build this Calingulah, there is no surplussing Channel at all, it would discharge into another ryot's field. The work having been so far completed it will not be possible to alter the line of bunds, and I do not think any useful purpose would be served by taking the Levels and Cross sections but will have them done if after perusal of this you should wish to see them.

6. I would beg to recommend that the estimate be altered by reducing the rate for earthwork from 1½ annas to 1¼ throughout I think the latter a fair rate as the soil has been carried for long distances in many places,

that the Calingalak be omitted altogether.

16365 Cyds of earth @ 1½ Annas	1276.8.3	These alterations will
15255 4½/11 cyds of do. @ do. do.	1191.13.10	bring the estimate down
Tamping and Sundries	129. 9.11	to Rs. 3000. If therefore
Constructing Sluice No I	255	you would arrange
Do. Do. No II.	120	with the Collector the
Extra Establishment	25	amount of the Govern-
Total Rs.	3000	ment Contribution, you

may be able to allot funds for the purpose. I would then recommend that the work be measured up, the Villagers paid up after satisfactory Completion.

8. As the Villagers have spent a large sum of their own money, I believe Mr Pockle wishes to give them some thing on account as they want money to go on with the work; they have destroyed the old Bank called Kila Puthicolam by removing its bund for the new Bund, hence unless the

The Rev. Sauer is already Completed
Will be more than Rs 3000
Please the remarks
Yours Most obedient Servant
Signed J. W. Chandler
Executive Engineer
Rec'd 8th Oct. 1877
Submitting Estimate
Executive Engineer

Enclosure No 2 in
a letter from the
Supg Engineer &c
Dn to the Chief Engr &
joint Secy to Govt
No 2245 dated 19th
Sept 1871

2
Cly
8/6871

P.W. 4715/71
Recd 21st Sept 71

Copy of letter from
the Executive Engr
in charge of Irrigation
Range Tinnevelly No 101
dated 5th June 1871

No. 122

Huzur Cutcherry
Tinnevelly 22d June 1871.

17

From

R. H. Puckle Esquire
Collector

To

The Superintending Engineer
8th Division

Sir,

In reply to your letter No 911 dated 19th instant, I have the honor to request that Government may be debited with 1500 Rupees, or half the Cost of the Kilmattam work.

2 I am sorry that the Villagers should have been kept out of their Money so long as it is discouraging to others, and shall therefore be much obliged by your placing the 1,500 Rupees at my disposal for disbursement as soon as possible.

I have the honor to be
Sir
Your most obt Servt
R. H. Puckle
Collector
True

Enclosure No 13
in a letter from the
Supg Engineer 8th Dn
to the Chief Engineer
& joint Secy to Govt
PWD No 2245
dated 19th September
1871

3/66/71

P. W. 4718/71
Rec'd Sept 22 71

Copy of letter No
122 of 22d June 1871
from the Collector
of Tinnevelly

Huzur Cutcherry

No 182.

Tinnevelly 4th September 1871.

21

From

R. K. Puckle Esquire
Collector

To

Lieut Colonel R. H. Roberts &c
Superintending Engineer
8th Division

Sir

I in returning the enclosure of your letter No 2045 dated 2d instant, duly countersigned, I have the honor to request that you will point out to Government that work to the full amount of the Estimate has been actually completed by the Villagers, that they only ask the Government for a moiety of the Cost viz 1,500 Rupees and that they have been kept waiting for this payment owing to a series of of unforeseen circumstances for a very

D. C. Con-

considerable period.

I have the honor to be
Sir,
Your most obt st
R H. Tuckle
Collector.

[True Copy]

Richd Nolan Lieut Col R E
Superintending Engineer
5th Division.

considerable period.

I have the honor to be
Sir,
Your most obt st

Enclosure No 4 viz
a letter from the Supg
Engineer & Divisional
to the Chief Engineer
& joint Secretary to Govt
No 2245 dated 19th Sept
1871.

4/68/71

P. W. 4715/71.
From Supg Engr Ld Dy

Copy of letter No
182 of 4th September
1871 from the Col-
=lector of Tinnevelly

MEMORANDUM.

Requested for reference the under-mentioned papers

estimate for conveying
2 tanks of Nilamuttum
sanctioned in Go. No 2797
4th Nov 71 for transmission
to Engr 8th Div.

Office of the Chief
Engr. for Irrigation,
P. W. Department,
1872

To
The Registrar of the

Dy Sec
Head Clerk.

Pr Test

A: 2797/97

27

A.

The Government learn from these papers that certain works designed to connect two small tanks at Kilanathum in the Tinnevelly Talook with the object of increasing their capacity and of storing water for a second crop cultivation had been commenced by the villagers, although it does not appear on what authority, and that nearly two years after, or in December 1870, when work to the extent of nearly 2000 Rupees had actually been furnished

the Range Officer, at the request of the Collector, prepared & submitted an estimate, amounting to Rs: 3,000, to the then Supy: Engineer, who called for information regarding the proposed capacity of the Bank when enlarged, with plans and sections; but the works had to par advanced towards completion that no useful purpose could be served by taking the necessary levels &c, although the further investigation into the nature of the works to be carried out resulted in preventing an unnecessary outlay in the construction of a useless surplus weir.

The anticipated return on the outlay of Rs: 3000 is given at Rs: 280 or a little more than ~~eight~~ nine per cent. The work has now been fully completed, and the Collector requests that sanction may be obtained for the disbursement to the Villagers of a moiety of the estimated expenditure.

The Govt have no reason to doubt that the works in question will prove useful and remunerative, and the interest displayed by the Villagers themselves in contributing labor representing half the outlay is sufficient evidence of the fact; but there considerations should

not be held to outweigh the necessity for a strict adherence in future to the rule that works should not be undertaken except on sanctioned plans and estimates, and with a specific assignment of funds. It is evident that if this fundamental rule of the Department be allowed to be departed from, encouragement will be afforded to unprofitable outlay on ill considered schemes, the advantages of which are likely in many instances to be overrated.

On receiving the assurance of the Collector that the works which have been carried on

the contribution of Govt. will be provided in the manner suggested in Para 7 of the Acting Chief Engineer's note.

16 Oct

165
12

To
3. Ag Chief Engr for Sanction
Chief Engr & Dy.
All other Supg Engrs
Rev. Dept
Bd of Revenue
× Controller

Despe 6/11/71
× 7/11/71

C. No. 4712

Govt of {1871} Madras.

PUBLIC WORKS.

B.

To

The Acting Chief Engineer for Irrigation

Dated

Recd. Encl. 5

G. O. 4th June 1871, No 2797.

Nos. 16-17878

Will came to town Lately in the Tunnelly Division and the Collector ~~Observing~~ Government Contribution for the works will be ~~granted~~ awarded assuming the assurance of the Collector that the works which have been already carried out by the Villagers answer their purpose.