1. Number of pages. 1 — 7
2. Date of repair. 5—10—57
4. [illegible] of Reference

M.R.O. 1—32,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

(P.W.) —2 3—12—57

G.O. No. 2388 Press Mis.

123-24

Dated 24—12—19/57

Not to be folded or roughly handled

No. 123. Read the following letter from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 4th December 1857, No. 5706.

SIR,

In acknowledging the receipt of Extract Minutes Consultation No. 2191, dated 27th November 1857, I have the honor to state that additional labor must of necessity be involved in the preparation of separate estimates for different parts of projects for the general restoration of Tanks also of which on more or less dependent on each other, for the repair of a bund would often be worse than useless if the irrigation has still to be carried on by means of open channels in it, or if the surplus water can only be discharged on the natural soil.

2. Moreover it could be extremely inconvenient to have separate sanctions for such improvements for the works must then be scattered over long periods of time to the prejudice of others and at an increased cost of superintendance, just as it would be in the case of a road, only the soil would be greater.

3. But while thus explaining the correctness and grounds of my opinion in favor of the simultaneous execution of general improvements and repairs of Tanks. I must admit that my reference to Government for their sanction of several (eleven) of the estimates returned with the order above might have been avoided, for as the construction of necessary works under 500 Rupees in cost is permitted under ordinary estimate by Extract Minutes Consultation, 5th January 1855, Para 118 of Circular Orders, it follows of course that the Chief Engineer has power to sanction such works, *as repairs*, although the aggregate amount of estimates for any one Tank may exceed the highest revenue, and under this view such estimates will in future be dealt with.

4. With respect to the four projects for restoring and improving dilapidated Tanks including new works of more than 500 Rupees herewith re-submitted and requiring consequently and submission to Government, I trust that in again soliciting their sanction, I may be allowed to adhere to the old practice of entering the whole amount in one estimate, otherwise I fear that much confusion and waste may arise from the earthwork being executed at one period and the stone revetment, sluices or Calingulahs at others.

VULLOOR TANK.

Extract from the List of General Observations made by Assistant Overseer W. A. GOODCHAP, during the month of January 1856.

This is a large Tank, and is supplied with water from the Vellapaucum Tank, and the latter Tank is supplied with water from the Courteliar river a channel connects the two Tanks together. The bank has had no repairs made to it for the last 30 years. The bank in general requires raising and the inside slope to middle of bund, a rough stone revetment as there was no water in the tank to show the height of different parts of the bank above the highest water line. I took a level, assuming the top of the upright stones of the Calingulah to be the highest water level.

The estimate has been made from the section thus obtained, and provides for making the middle of the bank 1½ yards wide at top, and 1½ yards above the highest water mark and the ends when the spread of water is not considerable the section of a 3rd class Tank bank, *i e* 1 yard wide and ½ yard above the water line.

Most of the sluices of the Tank are said to leak, but as the Tunnels of only two were uncovered and exposed to view, I have only entered the construction of them in the estimate.

The present length of Tunnels are 30 yards the Casing of the Tunnels have become quite loose and there is no doubt they require to be re-built.

The wing walls of the Calingulah are now but little above the top of the stones and to render the Calingulah more effcient they should be raised 1½ yards.

The wings require at the same time to be plastered, as the height to which the earth has to be carried varies in different parts of the bank, the rates for earth work are made accordingly.

Should the above repairs be sanctioned I think the bank will be put into a very efficient state.

(True Extract.)

(Signed) A. S. MOBERLY, Lieutenant,
District Engineer of Chingleput.

KEELAMANY TANK.

Extract from the List of General Observations made by Assistant Supervisor GOODCHAP, during the month of February 1856.

This is a Tank situated near the Serowerambodes Tank, which is a very large one, and the surplus water, passing through the Calingulah of that Tank, supplies the Keelamany Tank with water. The bank is in a bad order, and one end of it, is entirely destroyed, in consequence of breaches being made in it for the surplus water to pass through their being no Calingulah.

The surplus water from this Tank during the monsoon is very great, in fact a 3 arched bridges of 12 yards span, was built on the Northern Trunk road at Punchetty to allow of a passage for this water.

A Calingulah is very much required and also a new under sluice with a tunnel 24 feet in length.

(True Extract.)

(Signed) A. S. MOBERLY, Lieutenant,
District Engineer of Chingleput.

TUNNEERCOOLUM TANK.

Extract from the List of General Observations made by Assistant Supervisor GOODCHAP, during the month of February 1856.

This is a Tank situated near Trivalore and which is very much out of repair. The bank at one end is entirely destroyed, and openings have to be made to let out the surplus water, and they are not properly closed. The bank in general requires raising and strengthening with a stone revetment for about 350 yards in length and ½ yard higher than the highest water mark *i. e.* 2 yards.

A Calingulah here is very much required and I think it will not be much use laying out money on the repairs of the bank, until one is built.

One of the sluices of the tank was uncovered and exposed to view the Casing of the tunnel is quite loose and there is no doubt it requires to be re-built.

Should the above repairs be sanctioned, I think the bank will be put into a very efficient state.

(True Extract.)

(Signed) A. S. MOBERLY, Lieutenant,
District Engineer of Chingleput.

ARNEE TANK AND CHANNEL.

Extract from the List of General Observations made by Assistant Overseer W. A. GOODCHAP, during the month of March 1856.

This is a large Tank and is supplied with water from the Periapollium River. Beyond a few slight repairs on emergency the bank has had nothing done to it for 10 years and now for security requires raising and outside and inside slopes renewed with a turf revetment. The present Calingulah is very old one and the position it is built in is bad *i. e.* not being more than 30 yards from the river, and by the continual rush of the surplus water over the Calingulah the south bank of river has been washed away and will in course of time endanger the Tank Bank I therefore beg to propose that the present Calingulah should be stopped up, it being very much out of repair and a new one built on the east side of Tank where the surplus water can be taken advantage of by turning it into a channel already cut that supplies the Sooraverumbadoo Tank with water.

I examined one of the sluices and found it very much out of repair and the village people stated the Tunnel leaked in 3 or 4 places I have therefore entered the cost of entire reconstruction in the estimate.

The bed of river on the south side where the head of channel is cut is very high and on the north side low the difference of level being nearly 3 yards and in consequence the quantity of water that now flows down the channel is insufficient I have therefore marked out and estimated for a new head of channel to be cut taking advantage of the bed of river where it is low on the south side and high on the north which if sanctioned will always partly fill the Tank if the river is only a ⅓rd full. The channel is about 2 miles long and is in very good order with the exception of a few breaches in the channel bank which I have estimated to be repaired.

A bank 250 yards in length is required to be thrown up from the Tank bank near the Calingulah to Sammy-house situated on the south bank of river, the river bank and ground being low the result is, that when the river is full it overflows the bank and inundates the Amee Village, I have therefore estimated for a bank to confine the water to the river.

(True Extract.)

A. S. MOBERLY, Lieutenant,
District Engineer of Chingleput.

No. 124. ORDER THEREON, No. 2388; dated 24th December 1857.

Under the circumstances represented by the Chief Engineer, the Right Honorable the Governor in Council is pleased to sanction for entry in the Budget of 1858-59, in the Government office, the following four estimates re-submitted with the foregoing letter.

CHINGLEPUT.

	Rs.
For repairing a large Tank, improving Calingulah and constructing new under-sluices in Vulloor village of the Periapollium Talook...	3,070
For repairing Tank bank and constructing new Masonry works in Keelmony village of the Periapollium Talook...	1,330
For repairing Tank bank, constructing new Masonry works, cutting a new and repairing an old channel in Arnee village of the Nayer Talook...	4,030
For repairing an old Tank bank and constructing new Masonry work in Tanneercoolum village of the Periapollium Talook...	2,220
Total.....	10,650

2. It must however be observed that when repairs and improvements are required to be executed together for a Tank, rendering it difficult to submit separate estimates for new works and repairs, the improvement* if inconsiderable, may be reckoned as repair and as such sanctioned by the Chief Engineer; but Colonel Faber is wrong in supposing that he has power to sanction the construction of Masonry work under 500 Rupees as repairs, under the Extract Minutes Consultation 5th January 1855, as that order must be considered as having been superseded by the new rules† for the sanction of estimates in which no such provision is made.

* Not exceeding Rs. 100.

† Circular orders of the Department Public Works, Page 582 &c.

(Signed) H. FORBES,
Acting Secretary to Government.

Revenue
Irrigation

Central Office of P.W.
Fort Saint George,
4th December 1857.

No. 5706.

From,
The Chief Engineer

To,
The Secretary to Government P.W.D.

Sir,

Enclosures 11.
1 Abstract Estimates.
3 Plans.
1 Report.
11.

In acknowledging the receipt of Ex: Mins: Cons: No 2191 dated 27th November 1857 I have the honor to state that additional labour must of necessity be involved in the preparation of separate estimates for different parts of projects for the general restoration of Tanks all of which are more or less dependent on each other, for the repair of a bund would often be worse than useless if the irrigation has still to be carried on by means of open channels in it, or if the surplus water can only be discharged on the natural soil.

2 Moreover it would be extremely inconvenient to have separate sanctions for such improvements, for the works must then be scattered

over

over long periods of time to the prejudice of others and at an increased cost of superintendance, just as it would be in the case of a Road, only the evil would be greater.

3 But while thus explaining the correctness and grounds of my opinion in favor of the simultaneous execution of general improvements and Repairs of Tanks, I must admit that my Reference to Government for their Sanction of Several (eleven) of the estimates returned with the order quoted above might have been avoided, for as the construction of Masonry works under 500 Rupees in cost is permitted under ordinary estimate by Exc: Mins: Cons: 5th January 1855 Page 118 of Circular orders, it follows of course that the Chief Engineer has power to Sanction such works, as Repairs, although the aggregate amount of estimates for any one Tank may exceed the highest Revenue, and under this view such estimates will in future be dealt with. —

4 With respect to the four projects for restoring and improving dilapidated Tanks including new works of more than 500 Rupees and Requiring consequently submission to Government I trust that in again soliciting their Sanction I may be allowed to adhere to the old practice of entering the whole amount in one estimate, otherwise I fear that much confusion and waste may arise from the earthwork being executed at one period and the stone Revetment, Sluices or Calingulahs at others.

I have the honor to be,

Sir,

Your most Obt Servt

Alfd Taber Colonel.

Chief Engineer.

Central Office of P. W.
Fort Saint George,
4th December 1857.

L.L.

To,

The Secretary to Government P. W. D.

1855/04

Public Works Dept.

No. 2388.

Extract from the Minutes of Consultation

Under date the 24th December 1857.

Read the following

- ing letter from the

Chief Engineer.

Under the

Secretary to Government

Chief Engineer

No. 5706 dated 14th December 1857

Ordered that the

enumeration be

- verified by the Chief

Engineer, the Public

Works Department

and Government

in Council be requested

to sanction the entry

in the Budget of

1858/59

Jl. 5. Lines 55 & 56. 63 - 64.
Rp. Pr. Dec. 57 ... 33 - 34.

P. Works — 1857 Department.
Register Cons. 23rd Dec. 1857. No. 2414.

From The Chief Engineer.

To The Secretary to Government

C. P. D.

Dated 14th December/57

Received 15th December/57

No. 5706.

1 Enclosure & 11 Rets

Ex No. 2388. 24th Dec.

Offers explanation with regard to the remarks made by him on the subject of including Repairs & new works in one Estimate, & requests to be allowed to adhere to the old practice of including the whole amount in one estimate in the case of Projects for restoring and improving dilapidated Tanks including new works of more than 500 Rs. and consequently requiring submission to Government - as otherwise great confusion is likely to ensue.

From the Chief Engineer dated 30 Dec. 1857 C. No. 68 Encl.

No. 123

1858/59 in the Government Office the following four Estimates re-submitted with the foregoing Letter.

Chingleput.

For repairing a large tank, improving Calingulcub and constructing new under Sluices in Vallore Village of the Periapollium Talook ——— Rs 3070-- --

For repairing tank bank and constructing new masonry works in Kal-lavoy Village of the Periapollium Talook ——— 1330-- --

For repairing Tank bank, constructing new masonry, works cutting a new and repairing an old channel in Arnee Village of the Nayer Talook. ——— 4030-- --

For repairing an old tank bank and constructing new masonry work in Tanneer Colam Village of the Periapollium Talook ——— 2220-- --

Total 10,650-- --

2x It must however be observed that repairs and improvements are required to be executed together for a Tank, rendering it difficult to submit separate Estimates for new works and repairs, the improvement if considerable, may be reckoned as repair and if such sanctioned by the Chief Engineer, but the Chief Engineer will take it is wrong in supposing that he has power to sanction the construction of masonry works under 500 Rupees or exceeding Rupees 100

Vide Cons 1st Dec/57 N: 33 & 34
R.S Comp/58 No. 6264.

Public Works: 1857 Dpt.
Do. After Cons: 23rd Dec.

No. 2388.

Extract Mins: of Cons:
Dated 24th Dec/57.

From Mar Ch Enc: 30 Dec/57
Cons. 66 in 27 Feb/58

Sanctioning for entry in the Budget of 1858-59 in the Government Office the four Estimates resubmitted by the Chief Engineer regarding the repairs and new works in the Dist of Chinglepute.

N. 123 & 124.