

1. Number of pages. 15  
2. Date of repair. 22-6-57  
3. Initials of Reference.

M.R.O. 1-82,400-22-11-80

# MADRAS RECORD OFFICE.

## Government of Madras.

Public Works DEPARTMENT.

Cons. A 21-4-1957

|          |       |               |
|----------|-------|---------------|
| G.O. No. | 721   | Press<br>Nis. |
| 135-136  |       |               |
| Dated    | 20-4- | 1857          |

Not to be folded or roughly handled

1

Fort Saint George, Public Works Consultation of 21st April 1857.

No. 135. Read the following letter from Colonel C. E. FABER, Chief Engineer ; to H. FORBES, Esq., Acting Secretary to Government, dated 31st March 1857, No. 9924.

SIR,

With reference to my letter No. 8538, dated 2nd December 1856, and to Extract from the Minutes of Consultation No. 110, dated 15th January 1857, I have the honor\* to forward a plan, and estimate of Rupees (2,450) two thousand four hundred and fifty, for rebuilding the arch, and completing the bridge, across the East Coast Canal at Sadras.

\*Under Clause II of Extract Minutes Consultation No. 696, dated, 18th October 1855.

2. The Superintendent, in the accompanying copy of letter, No. 388, dated 16th Instant, observes that having a good deal of material on hand, he has omitted in the estimate the cost of plastering and some few other items.

3. The plan though not in detail, shows sufficiently the present state of the bridge, and what remains to complete it, and the Superintendent feeling confident that under Mr. Kennedy's supervision the work will be brought to a successful termination, I solicit the early sanction of Government for the estimate now submitted, in which the rates allowed are moderate and sufficient.

4. Adverting to para. 2 of the order of Government before quoted, I beg to state, that a Circular has been prepared calling the attention of the several Civil and District Engineers and other executive subordinates to the necessity of their exercising in future, greater caution in regulating their building operations. Copies of the Circular will, in due course, be forwarded, as usual for the information of Government.

No. 136. ORDER THREEON, No. 721 ; dated 20th April 1857.

1. With this letter, the Chief Engineer forwards an estimate of Rupees 2,450, for rebuilding the arch and completing the bridge across the East Coast Canal at Sadras. The amount originally sanctioned for the work is not stated, and in the absence of such information no orders can be passed on the present estimate. The Chief Engineer's attention is requested to the instructions issued on this subject in para. 4 of Extract Minutes of Consultation of the 27th February last, No. 378.

2. On reference however to former correspondence, the Government find that the sum of Rupees 3,000 was provided for the bridge in question, as well as for another at Vellacherry, in the estimate of Rupees 1,75,716 for the Project of the Canal from the Adyaur to the Palaur river, besides a sum of Rupees 5,643 for a third bridge on the Guindy road. This estimate received the sanction of the Honorable Court of

\*Extract Minutes of Consultation 14th April 1855, No. 421.

Directors in their Despatch to the Government of India of the 29th December\* 1854, No. 105. While the above estimate was under reference to the Government of India and the Honorable Court, the

Chief Engineer inspected the line of the Canal and suggested that the bridges should be increased to a span of 60 feet so as to afford a towing path of 3 yards ; the cost of each being thereby augmented to Rupees 8,000. That Officer also suggested various other

† Extract Minutes of Consultation 21st April 1855, No. 459.

improvements at a total additional outlay of Rupees 46,157 which was sanctioned by the Government of India in their letter† of 5th April 1855, No. 148. The particulars of these improvements as taken from the

Chief Engineer's Report of 22nd August 1854, are given below.

|                                                                                           |        |      | Rs.      | A. | P. |
|-------------------------------------------------------------------------------------------|--------|------|----------|----|----|
| From Captain Collyer's estimate, amounting to Rs. ....                                    | ...    | ...  | 1,75,715 | 11 | 1  |
| Deduct for two locks Rs. ....                                                             | 22,891 | 0 0  | 28,733   | 13 | 9  |
| Do. for Guindy bridge .....                                                               | 5,842  | 13 9 |          |    |    |
| and add,                                                                                  |        |      | 1,46,981 | 13 | 4  |
| For two locks with two double sets of gates, ...                                          | ...    | ...  | 32,891   | 0  | 0  |
| For two supplying and discharging masonry works, ...                                      | ...    | ...  | 10,000   | 0  | 0  |
| For two do. do. channels, ...                                                             | ...    | ...  | 2,000    | 0  | 0  |
| For one such work at the Covelong bar, ...                                                | ...    | ...  | 5,000    | 0  | 0  |
| For channel to do.....                                                                    | ...    | ...  | 1,000    | 0  | 0  |
| For three bridges of 60 feet span with a towing path of 3 yards at 8,000 Rupees each, ... | ...    | ...  | 24,000   | 0  | 0  |
| Grand total Company's Rupees...                                                           |        |      | 2,21,872 | 13 | 4  |

u.c.c.

Fort Saint George, Public Works Consultation of 21st April 1857.

3. From the above it is seen that while a sum of Rs. 24,000 for the three bridges was included in the proposed additional outlay, the amount at first sanctioned for the works was deducted from the original estimate only in the case of the Guindy bridge, and it is not clear whether the revised sanction of Rs. 16,000 granted for the two other bridges at Sadras and Vellacherry was inclusive of the sum of Rs. 3,000, provided for those works in the first estimate. The information will now be supplied, and the Chief Engineer will also state whether the estimate of Rs. 2,450 now forwarded for the Sadras bridge is solely for rebuilding the fallen arch, or whether it provides also for supplying any deficiency in the sum formerly sanctioned for the work; if the latter be the case, the Chief Engineer is requested to submit a full report as to the cause of the former amount having proved insufficient.

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

N. 388. 3

From,  
Lieutenant R. H. Tanky, Engineers.

Superintendent of the C. & C. Canal

To,  
The Chief Engineer  
In the Department of Public Works  
Fort Saint George

Sir,

In accordance with the instructions entered in 3<sup>rd</sup> para of your letter N. 9418 of the 12<sup>th</sup> Instant, I have the honor to submit a plan and Estimate for the rebuilding of the Sadras Arch.

2. The Estimate amounts to Rupees 2,450-11-7, and though there are some items of expenditure such as plastering and backing with earth &c. left out, yet, I think the sum allowed ought to suffice, as there is a good deal of material on hand which will counteract these ommissions.

3. I should have furnished a more detailed plan but for my time being completely occupied, still the present sketch will I hope sufficiently show the present state of the work, and what remains to be built.

4. Under Mr. Kennedy's supervision there is no doubt the work will be brought to successful termination, but as the season is advancing I beg that an early sanction may be granted and funds placed at my disposal as he ought to commence the preparation of material at once.

C. & C. Canal Office,  
Enns. 1000.  
16<sup>th</sup> January 1857.

I have &c.  
Left True copy  
Wm. Lister Colonel.

Left R. H. Tanky, Esq.  
Supt. of the C. & C. Canal

Comd. The C.

Chief Engineer.

51

Public (roads) [New Work]  
 Abstract of Estimate No. of 185 /5  
 Road No.  
 District. Chingleput.  
 Work: Rebuilding the 4 wing walls and arch of the cadras  
 Bridge.

| Quantities                                             | Description of Work                                    | Rate           |                |    | Amount | Amount for each part |
|--------------------------------------------------------|--------------------------------------------------------|----------------|----------------|----|--------|----------------------|
|                                                        |                                                        | R <sup>s</sup> | a <sup>s</sup> | P. | Rupees | Rupees               |
| 42 1/2                                                 | Cubic Yards, Brickwork in Churam ———— 3 Cps            | 3              | 12             | "  | 1734   |                      |
|                                                        | cleaning away the ruined arch and erecting new cutting |                |                |    | 600    |                      |
|                                                        | Supervision and Sundries. per cent                     | 5              | "              | "  | 116    |                      |
| Total Company's Rupees Two thousand four hundred fifty |                                                        |                |                |    | 2450   |                      |

Central Office of P. W.  
 Fort St. George  
 31<sup>st</sup> January 1857

Mr. Major Colonel  
 Chief Engineer D. P. W.

1200  
 180  
 6

Chief Engineer  
 of the Company's Engineers  
 D. P. W.  
 Dated 31<sup>st</sup> January 1857  
 199208/57  
 copy of a letter from the  
 Superintendent E. V. General  
 submitting a plan and  
 estimate for rebuilding the  
 cadras Bridge.

Copy to H. M. L. E.  
 of 31<sup>st</sup> Jan. 1857. 1857  
 Received

| Quantities | Description of Work | Rate |    |    | Amount | Amount for each part |
|------------|---------------------|------|----|----|--------|----------------------|
| C. Yds.    |                     | Rs.  | D. | P. | Rupees | Rupees               |

Copy sent by L. L. E.  
24<sup>th</sup> October 1857 No. 17.  
Para 21. 11.

Enclosure

In a letter

From

The Chief Engineer  
C. P. W.

To

The Secretary  
C. P. W.

Dated 31<sup>st</sup> January 1857  
Received

P. P. 208/57

V. 9/24

Abstract Estimate of the  
expense of rebuilding the  
wing walls and arch  
of the Sadras Bridge, which  
fallen during the storm of the  
19<sup>th</sup> 12<sup>th</sup> 1856, in the  
District of Chingput  
to Company's Representation

Public Works Department

9-

No. 721.

Extract from the Minutes of Consultation

Under date the 20<sup>th</sup> April, 1857

Read the following

letter from the Chief Engineer.

(There enters 31<sup>st</sup> January 1857 No. 9924)

1. With this letter the  
Chief Engineer forwards an esti-  
mate of Rs. 2,450 for rebuilding  
the arch and completing the Bridge  
across the East-Coast Canal at  
Sadras. The amount originally  
sanctioned for the work is not  
stated, and in the absence of  
such information no  
order can be passed on the  
present estimate. The Chief  
Engineer's attention is requested  
to the instructions issued on this  
subject in para 4 of Extract  
Minutes Consultation of the  
27<sup>th</sup> February last No. 378

At  
By  
M. G. M.

2 <sup>however</sup>  
On reference to former

correspondence the Government  
find that <sup>the sum</sup> ~~a provision~~ of Rs. 3,000  
was provided  
for the Bridge in question, <sup>as well as</sup>  
~~and a similar sum~~  
for another at Vellacherry,

~~and~~ in this estimate of Rs. 1,75,716  
for the Project of the Canal from  
the Adyans to the Palar river,  
besides a sum of Rs. 5,163 for a  
third bridge on the Guindy road.  
This Estimate received

the sanction of the Honorable Court  
of Directors in their Despatch to  
the Government of India of the  
1854  
29<sup>th</sup> December 1854 No. 100.  
above

At this the Estimate was under  
reference to the Government of  
India and the Honorable Court,  
the Chief Engineer inspected the  
line of the Canal and suggested  
the ~~middle of the~~ <sup>middle of the</sup> ~~Adyans~~

\* Com. G. 14<sup>th</sup> April 1855 No. 621

Bridges - should be increased  
to a span of 60 feet so as to afford  
a towing path of 3 yards; the  
cost of each being thereby aug-  
mented to Rs. 8,000. That the  
also suggested various other improve-  
ments at a total additional  
outlay of Rs. 46,157 which  
was sanctioned by the Govern-  
ment of India in their letter of  
5<sup>th</sup> April 1855 No. 148. The practical  
costs of these improvements as taken  
from the Chief Engineer's Report  
of 22 August 1854 are given below.

\* Com. G. 21<sup>st</sup> April 1855 No. 459

From Captain Collyer's Estimate amounting to Rs. 1,75,715-11-1

|                                                                                      |                |
|--------------------------------------------------------------------------------------|----------------|
| Deduct for two Spoils Purses Rs. 2,891-0-0                                           |                |
| Do for Guindy Bridges - 5,812-10-9                                                   | 28,783-10-9    |
|                                                                                      | 1,46,981-10-14 |
| And add                                                                              |                |
| For two locks with two double sets of gates                                          | 62,891         |
| For two supplying and discharging masonry, earth &c.                                 | 10,000         |
| For two supplying and discharging masonry, earth &c.                                 | 2,000          |
| For two Do Do Channels                                                               | 5,000          |
| For one such work at the Lovelong bar                                                | 1,000          |
| For Channel to Do                                                                    |                |
| For three bridges of 60 feet span with a towing<br>path of 3 yards at 8,000 Rs. each | 24,000         |
| Grand total C. O. Rs.                                                                | 2,21,872-10-4  |

From

From the above it is seen

that while a sum of Rs. 24,000 for the  
 three bridges was included in the <sup>revised</sup>  
 additional outlay, the amount at  
 first sanctioned for the works was  
 deducted from the original estimate  
 only in the case of the Gundry Bridge,

It is not clear whether the revised  
 sanction of Rs. 16,000 granted  
 for the two other Bridges at  
 Sadras and Vellacherry was  
 inclusive of the sum of Rs. <sup>3000</sup> ~~6000~~

provided for those works in  
 the first estimate. The infor-  
 mation will now be supplied the Chief  
 Engineer will also state  
 whether the estimate of

Rs. 24,500 now forwarded  
 for the Sadras Bridge is  
 solely for rebuilding the  
 fallen arch, or whether it  
 provides also for supplying  
 any

any deficiency in the sum  
 formerly sanctioned for the  
 work; if the latter be the case,  
 the Chief Engineer is requested  
 to submit a full report as  
 to the cause of the former amount  
 having proved insufficient.

W. H.

4 Copies to the Chief Eng. Disb. 21<sup>st</sup>  
 with an orig. Sketch -

