3. Initials of Abstracter

4

M.R.O. 1—82,400—23-11-50.

# MADRAS RECORD OFFICE.

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## Government of Madras.

Public Works DEPARTMENT.

Con. 7-7-57

G.O. No. 1291 Press Mis.

33-34

Dated 4-7- 1857

***Not to be folded or roughly handled***

No. 33. Read the following letter from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 17th June 1857, No. 1283.

SIR,

In Extract from the Minutes of Consultation No. 823, dated 30th April 1857, Government accorded permission for the submission of a Supplemental estimate for Macadamizing the principal thoroughfares in the Cantonment of Ootacamund. The estimate* has now been submitted by Captain Francis, it amounts to Rupees (13,000) thirteen thousand.

* Letter No. 100, dated 23rd May 1857.

2. The original estimate for this work was sanctioned by Government in Extract from the Minutes of Consultation No. 1589, dated 5th September 1856, it amounted to Rupees 6,500, having been prepared for 6½ miles at the rate of 1000 Rupees a mile; these 6½ miles were made up as follows.

| | Miles. |
|---|---|
| From the Church to the boundary of the Cantonment in the Seegoor direction... | 1¾ |
| From the Church to the boundary of the Cantonment in the Coonoor direction... | 2¼ |
| From charing cross by the market place through the bazar ... ... ... ... ... | 2½ |
| Total... | 6½ |

3. In a letter No. 48, dated 17th March 1857, Lieutenant Shaw Stewart, reported that the above estimate was insufficient he estimated (roughly as it now appears) that the work executed up to that time had cost 2,500 Rupees a mile, and that about 3 miles remained to be metalled, for which about 7,500 Rupees more would be required.

4. Captain Francis now forwards an estimate amounting to Rupees 13,000 and explains that this amount exceeds that roughly estimated by Lieutenant Stewart, in consequence of the latter Officers having over-estimated the length of road actually done, and of course that remaining to complete the original project "he (Lieutenant Stewart) says that there still remains about 3 miles of road to be metalled." Whereas the actual remaining distance to be metalled is found to be on careful measurement (twice taken) 3 miles 6 furlong 81 yards.

5. Captain Francis has also forwarded a sketch of the roads in the Cantonment of Ootacamund on a scale of 200 feet to an inch; on this sketch the portions of road already metalled are coloured blue, and the portions remaining to be metalled are coloured red, I have had these blue and red lines measured and find that the sketch exhibits as

| | Miles. | Furlongs. | Yards. |
|---|---|---|---|
| metalled 7340, feet or ... ... ... ... ... ... ... | 1 | 3 | 26⅓ |
| and as remaining to be metalled 21,695 feet or ... ... ... | 4 | 0 | 191⅔ |
| making a total of ... ... ... ... ... ... | 5 | 3 | 218⅓ |

or about 5½ instead of 6½ miles as originally estimated. In the portion remaining to be metalled the sketch gives too great a length in the portion metalled, it probably exhibits too short a length, but I am inclined to think that both the original estimate of the length and the portions supposed to have been completed by 17th March 1857, were in excess, and these mistakes lead Lieutenant Stewart, to under-estimate the cost of the work per mile, and that the present estimate which is the result of careful measurement is to be relied upon.

6. I would recommend this estimate amounting to Rupees (13,000) thirteen thousand, be entered in the Budget for 1858-59.

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No. 34. ORDER THEREON, No. 1291; dated 4th July 1857.

1. In granting permission for the submission of a supplemental estimate for macadamizing the Cantonment roads at Ootacamund, the Government observed, in para. 3 of Extract Minutes Consultation 30th April last No. 823, that the expenditure already incurred, deducting the value of implements was reported to be Rupees 6,600 and that the cost of the work, it was stated, would ultimately reach 14,000 Rupees, or more than double the sanctioned estimate. The

Chief Engineer now reports that instead of 7,500 Rupees, the sum of 13,000 Rupees is required for completing the portions of road remaining to be metalled; and for this sum, a supplemental estimate is submitted, which, if sanctioned would raise the eventual outlay to 19,500 Rupees or fully three times the amount of the original estimate of 6,500 Rupees. This is attributed to Lieutenant Stewart, the Executive Engineer, having under-estimated the length of road remaining to be completed; and yet from para. 4 of the Chief Engineer's letter, this under-estimation is observed to be only a fraction more than six furlongs; so that from Colonel Faber's imperfect explanation it would appear that no less a sum than 5,500 Rupees* is required for metalling a distance of three quarters of a mile not previously calculated for. On referring to the estimate however, the Government observe that an enhanced rate of 3,080 Rupees per mile is allowed for the whole distance of 3 miles, 6 furlongs and 81 yards remaining to be metalled, which with a sum overspent, and provision for contingencies, aggregates 13,000 Rupees, the amount of the supplemental estimate; but no cause is assigned for the increased rate in the letter of the District Engineer, nor does Colonel Faber allude to it at all.

| | Rs. |
|---|---|
| * Estimated for by the District Engineer 3 miles, 6 furlongs and 81 yards..... | 13,000 |
| Estimated by Lieut. Stewart 3 miles ..... | 7,500 |
| Difference.. | 5,500 |

2. The statements made in the Chief Engineer's letter, and the correspondence accompanying, as to the insufficiency of the former estimate for macadamizing the Cantonment roads of Ootacamund, and the number of miles metalled and unmetalled, are so uncertain and contradictory,* that the Government are unable to consider the request now before them. The Chief Engineer is accordingly requested to furnish a clear statement of the exact number of miles for which the former estimate of 6,500 Rupees was intended to provide, the number of miles completed under it, and the number now remaining to be metalled; with a more clear explanation of the cause of the insufficiency of the original estimate, and of the consequent necessity for further provision, as well as of the large amount of this further provision, it being double that of the original estimate for the entire work.

| | Mls. | F. | Yds. |
|---|---|---|---|
| * e. g. The District Engineer states that the distance to be metalled is..... | 3 | 6 | 81 |
| The Chief Engineer says on the examination of the sketch that the distance remaining to be metalled is..... | 4 | 0 | 191¾ |

3. Such clear explanation is the more necessary, as the supplemental estimate cannot, under recent rules, be entered in the next Budget as recommended by the Chief Engineer, but must be submitted separately for the sanction of the Government of India.

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

Public.

Genl Office of P.W.
Fort St. George 17 June 1857

No. 1285.

From
The Chief Engineer
To
The Secretary to Govt P.W.D.

Sir,

In Extract from the Minutes of Consultation No. 823 dated 30th April 1857. Government accorded permission for the submission of a Supplemental Estimate for Macadamizing the principal thoroughfare in the Cantonment of Ootacamund.- The Estimate has now been submitted by Captain Francis, it amounts to Rupees 13000/ Thirteen thousand.-

2. The original Estimate for this work was sanctioned by Government in Extract from the Minutes of Cons. No. 589 dated 5th September 1856 it amounted to Rupees 6500, having been prepared for 6½ miles at the rate of 1000 Rupees a mile; these 6½ miles were made up

+ Letter No 1000/28 May/57

Enc 4.
1. Letter No 100.
1. Sketch
1. Estl Sht Rs 13000
1. Letter No 48.

as follows.—

| | Miles |
|---|---|
| From the Church to the boundary of the Cantonment in the Segow direction | 1 3/4 |
| From the Church to the boundary of the Cantonment via the Comm direction | 2 1/4 |
| From charing cros by the Market place through the bazar | 2 1/2. |
| Totals | 6 1/2 |

3. In a letter No 48 dated 17th March 1857 Lieut. Slum Stewart reported that the above Estimate was insufficient- he estimated roughly as it now appears that the work executed up to that time had Cost 2500 Rs a mile, and that about 3 Miles remained to be metalled. for which about 7500 Rs more would be required.-

4. Captain Francis now forwards an Estimate amounting to Rupees 13000. and explains that the amount exceeds that roughly estimated by Lieut. Stewart in consequence of the latter Officer having over estimated the length of road actually done, and of Course that remaining to complete the original project "he (Lieut. Stewart) says that there still remains "about 3 Miles of road to be metalled." whereas the actual remaining distance to be metalled is found to be on Careful measurement twice taken 3. 6 - 81 yds.

5. Captain Francis has also forwarded a sketch of the roads in the Cantonment of Cotacamund on a scale of 200 ft to an inch; On this sketch the portions of road already metalled are Coloured blue, and the portions remaining to be metalled are Coloured red; I have had these blue and red lines measured and find that the sketch exhibits as metalled 7340 ft or 1 m 3 f 26 yds 2/3 and as remaining to be metalled 21.695 ft or — 4 — 0 — 191 2/3 making a total of — 5 — 3 - 218/3 or about 5/6 instead of 6 1/2 miles as originally Estimated. In the portion remaining to be metalled the Sketch gives too great a length in the portion metalled - it probably exhibits too short a length, but I am inclined to think that both the original estimate of the

the length and the portions supposed to have been completed by 17th March 1857 were in excess, and these mistakes had led Mr Stewart to underestimate the Cost of the work per mile, and that the present Estimate which is the result of Careful measurement is to be relied upon.-

6. I would recommend that the Estimate amounting to £13,000 Thirteen thousand be entered in the budget for 1858/59.-

I have the honor to be
Sir
Your most obt servt

Fort St George
17th June 1857.

M Walker Col.
Chief Engr

To The Secy to Govt Pub Wks

Compd

Public [roads] [New Work]

Abstract of Estimate № of 185 .5

Road №

District Coimbatore

Work for Macadamizing the remaining portion of the principal thorough fare in the Cantonment of Ootacamund

| Quantities | Description of Work | Rate | | | Amount | Amount for each part |
|---|---|---|---|---|---|---|
| C. Yds. | | Rs | as | P. | Rupees | Rupees |
| | To Macadamizing 3 miles 6 furlongs 81 Yards of road or 6 Yards wide & 6 inches deep at 1½ Cft. per mile | 3080 | " | " | 11690 | |
| | To amount overspent on the portion of road already Macadamized | " | " | " | 539 | |
| | Contingencies nearly 6 percent | " | " | " | 771 | |
| | Total Company's Rupees | | | | | 13000 |

Central Office of P.W.
Fort Saint George
17 June 1857.

Colonel
Chief Engineer D.P.W.

Public Works Department
Plan & Estimate
№ 1236
Dec 1857

Capt. Lyle
Rec'd 18th Dec 1857

Engineer
Executive Officer
S.C.O. № 1871 of 21 Dec 1857

Communicates Estimate for
Macadamizing the remaining portion of the principal thorough fare in the Cantonment of Ootacamund
Rs 13000
Recommended
that the amount be
sanctioned in the Budget
for 1858/59.

by time 22 July

Sec Com: Letter № 1444 of 26 Dec 1857.

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

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

Enclosure

In a Letter.

From

The Chief Engineer
D. P. W.

To

The Secretary to Govt.
D. P. W.

Dated 17th June/57
Recd
P.W. 1236/57

No. 1283.

Abstract of Supplemental Estimate for Macadamizing the thoroughfares in the Cantonment of Cotacamund in the District of Coimbatore.

Amounting to Company's Rupees 13,000—

P.W.D.

No. 1291.

Extract from the Minutes of Consultations
Under date the 4th July 1857.
Read the following letter
from the Chief Engineer

(Received 17th June/57 No. 1283)

In forwarding for
mission for the sub mission
of a supplemental estimate
for Macadamizing the
Cantonment roads at
Ootacamund, the Govern-
ment observe, in para
3 of Extract Minutes Con
sultation 30th April Last
No. 823, that the expenditure
already incurred, reducing
the value of implements,

was

was reported to be Rs 6,800,
and that the cost of the
work, it was stated, would
ultimately reach 11,000
Rs, or more than double
the sanctioned estimate.
The Chief Engineer now reports
that instead of 7,500 Rs,
the sum of 13,000 Rs is
required for completing
the portions of road remaining to be installed,
and for this sum, a
supplemental estimate
is submitted, which, if
sanctioned, would raise
the eventual outlay to
19,500 Rs or fully three times
the amount of the original
estimate of 6,500 Rs. This
is attributed to Lieut. Stewart,
the

the Executive Engineer, having underestimated the length of road remaining to be completed, and yet from a perusal of the Chief Engineer's letter, this underestimation is observable to be only a fraction over one mile, six furlongs, so that from Colonel Fabian's imperfect explanation it would appear that no less a sum than 5,500 Rs is required for metalling a distance of three quarters of a mile not previously calculated for in referring to the estimate however, the Government observe that an estimated rate of 3,750 Rs per mile is

Estimated for by Executive Engr:
3 miles 6 furlongs @ 3750 — 13,000
Estimated by Lt Stewart
3 miles ——— 7,500
Difference — 5,500

is allowed for the whole distance of 3 Miles 6 Furlongs and 81 Yards remaining to be metalled, which, with a sum over & above, and provision for contingencies, aggregates 13,000 Rs, the amount of the Supplemental Estimate but no cause is assigned for the increased rate in the letter of the District Engineer, nor does Colonel Faber allude to it at all.

2 The statements made in the Chief Engineer's letter, and the correspondence accompanying, as to the insufficiency of the former Estimate

* E.g. The District Engineer states that the distance to be metalled ~~actually~~ is miles 3-6181. The Chief Engr says on the examination of the sketch that the distance remaining to be metalled is miles 4-0-191-3/5

Estimate for macadamizing the Cantonment Roads of Secunderabad, and the number of miles metalled and unmetalled, are so uncertain and contradictory, that the Govt are unable to consider the request now before them. The Chief Engineer is accordingly requested to furnish a clear statement of the exact number of miles for which the former Estimate of 6,500 Rs was intended to provide, the number of miles completed under it, and the number now remaining to be metalled, with a more clear explanation

explanation of the causes of the insufficiency of the original estimate, and of the consequent necessity for further provision, as well as of the large amount of this further provision, it being double that of the original estimate ~~1 off~~ for the entire work.

Such clear explanation is the more necessary, as the supplemental estimate cannot, under present rules, be entered in the next budget as recommended by the Chief Engineer, but must be submitted separately for the sanction of the

Govt.

the Government of India

No 1921

To Copies to the Chief Engr. Div No 6
with 3 Encls

Cons. 9th Sept.r 56 Nos 444 445.
— 5th May 57 — 26 & 27.

Public Works 1857 Deptt.
Dr to Cons. 4th July.

No 1291.

Extract Mins of Cons.
Dd 4th July 57.

Read Ltr Chief Engr 27
28th Sept.r 56 & Ltr 87
in Ro

Requesting the Ch. Engr
to furnish a clear Statement of
the exact number of Miles &
certain other information for
which the former Estimate
of 6500 Rs for macad-
mizing the principal thor-
oughfares in the Cantonm.t
ment of Ootacamund was
intended to provide & for
the consequent necessity for
further provision by adopt.
Supplemental Estimate —

No 33 & 34.

antg to Rs 13000 & as
signing the Cause for
the increased rate. —

cy 4 Dec — R 2 July