(1) பக்கங்களின் எண்ணிக்கை 66

(2) புதுக்கித் திருப்பிய நாள் 12/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2140 ✓
2141

அச்சகம்
பலவகை

நாள் : 9-8-1885 ~~198~~ .

க்கவோ கண்டபடி கையாளவோ கூடாது

A. Mani

ணை. ஊ-1—18,000—15-9-87.

2140 W)
1

9th August 1889, No. 2140 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper:—

From Colonel A. T. FRASER, R.E., Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated Calicut, 24th January 1889, No. 41.

I have the honor to state, in reply to your No. 31 W.C., dated 19th instant, that I see no necessity for treating every item of new work unconnected with the scheme of barrack accommodation already sanctioned and in progress, as supplemental to the estimates for the new blocks of barracks.

2. At all stations there are constant improvements called for to existing buildings or for some minor works to which Malapuram is no exception.

3. As the works are not at a stage for a completion report, it would seem sufficient if all subsequent estimates sanctioned stood on their own merits and received special appropriations.

No. 45 E.W.

Submitted to the Chief Engineer, Public Works Department, with reference to G.O., No. 73 W., of 11th January 1889.

2. The undersigned concurs in the views expressed by the Executive Engineer.

Wellington,
28th January 1889.

(Signed) A. C. SMITH, Lt.-Col., R.E.,
Superintending Engineer, IV Circle.

Read—again—

G.O., dated 26th April 1889, No. 1122 W., Public Works.

Read—also the following paper:—

From Colonel A. T. FRASER, R.E., Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated Calicut, 15th July 1889, No. 386.

With reference to G.O., No. 1159 W., dated 1st May 1889, communicated with your No. 185 C., dated 22nd May 1889, I have the honor to forward a compiled general estimate, amounting to Rs. 1,78,319, for the scheme of new barrack accommodation at Malapuram for a detachment of European troops, sanctioned under various orders of the local Government at different times and required to be sanctioned for purposes of account by the Government of India as a whole.

2. The difference between the amount of the compiled estimate, Rs. 1,78,319, and Rs. 1,91,412 = 13,093, is caused by saving on the estimates of work long completed and whose accounts have been closed.

No. 341 E.W.

Copy communicated to the Chief Engineer, Public Works Department, together with the compiled abstract estimate, report, a block plan of the Malapuram cantonment and a duplicate of the abstract estimate, as called for in para. 5 of G.O., No. 1159 W., of 1st May 1889.

Ootacamund,
25th July 1889.

(Signed) H. M. VIBART, Col., R.E.,
Superintending Engineer, IV Circle.

Order—dated 9th August 1889, No. 2140 W., Public Works.

In its letter No. 18 M.W., dated 13th January 1889, the Government of India remarked that it would be convenient if a revised estimate for the barracks at Malapuram was sanctioned once for all, or if the existing estimates were closed, and a completion report submitted, any further improvements hereafter found necessary being dealt with on fresh estimates.

2. The Superintending Engineer, IV Circle, in his letter No. 45 E.W., dated 28th January 1889, reported that the works were not at a stage fit for the submission of a completion report and that it would be sufficient if all subsequent estimates stood on their own merits and received special appropriations.

3. With reference to para. 5 of G.O., No. 1159 W., dated 1st May 1889, the Superintending Engineer submits a total revised estimate, amounting to Rs. 1,78,319, and explains that the difference between this amount and that fixed in G.O., No. 3737 W., dated 27th November 1888, viz., Rs. 1,91,412, is due to savings on the estimates already completed.

4. The revised estimate for the work, aggregating Rs. 1,78,319, is now sanctioned in supersession of all previous estimates. Any further additions hereafter considered necessary should be provided for on separate estimates.

5. The sanction accorded in para. 4 of these Proceedings has been registered as Imperial No. 10 W. of 1889-90, and classified as Military, Original Works.

6. Ordered that a copy of these Proceedings, together with a copy of G.O., No. 1122 W., dated 26th April 1889, be forwarded to the Government of India, Military Department, with reference to para. 2 of its letter No. 18 M.W., dated 13th January 1889, and para. 5 of its Resolution No. 683 M.W., dated 29th March 1889.

(Here enter No. 2141 W., dated 9th August 1889.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
,, Examiner, Public Works Accounts, with duplicate abstract estimate.
,, Military Department.

Endorsement—dated 9th August 1889, No. 2141 W., Public Works.

Forwarded.

(By order.)

Lieut.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Exd. P. L. Pereira.
Spare Copies

2140/2

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated August, 9th.

Recd. *Encl.*

G.O., 9th Aug. 1889, Nos. 2140, 2141 W.

AUGUST.

Barracks at Malapuram

Forwarding copy of Proceedings sanctioning revised estimate for the —.

2140-1
3

27th November 1888, No. 3737 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 10th November 1888, No. 4320 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

Estimate, amounting to Rs. 860, for improvements to the ventilation of the latrine attached to block No. 1 barracks at Malapuram, with report and plan as supplemental to the general estimate for barracks at that station.

No. 7556, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

Fort St. George,
14th November 1888.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The estimate for improvements to the ventilation of latrine to block No. 1 barracks at Malapuram might be reduced slightly by omitting the cost of lowering the walls $1\frac{1}{2}$ feet all round, as the ventilation otherwise provided for is sufficient.

23rd November 1888.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Chief Engineer, P.W.D.

Order—dated 27th November 1888, No. 3737 W., Public Works.

The estimate, amounting to Rs. 860, for improvements to the ventilation of the latrine attached to block No. 1 of the barracks at Malapuram, is sanctioned as supplemental to the general estimate for the barracks at that station. The total sanction for the barracks will now stand at Rs. 1,91,412.

2. Attention is drawn to the note by the Chief Engineer, Public Works Department, above recorded.

3. This sanction has been registered as Imperial No. 47 W. of 1888-89 and classified as Military, Original Works.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. 3738 W., dated 27th November 1888.)

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with four enclosures.
,, Examiner, Public Works Accounts, with copy of the abstract estimate.
,, Military Department.

ENDORSEMENT—dated 27th November 1888, No. 3738 W., Public Works.

Forwarded.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

Exd. J. Henricus.
Spare Copies

2140/4

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated November, 27th.

Recd.

Encl.

G.O., 27th Nov. 1888, Nos. 3737 W., 3738 W.

NOVEMBER.

Latrine

Forwarding copy of Proceedings of Government sanctioning estimate for improvements to the ventilation of the — attached to block No. 1 of the barracks at Malapuram.

2140-1/1

8th October 1888, No. 3165 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper:—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 14th September 1888, No. 3354 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned:—

Estimate, amounting to Rs. 1,840, for improvements to the bakery at Malapuram, with report, specification and plan.

2. The present bakery is the old wood godown which was converted into a bakery on estimates sanctioned in the orders of Government marginally noted. The work was completed in February 1887, but it was found that certain further improvements and additions were necessary before the building could be taken into use. These are notably—

	RS.
G.O., No. 6962, dated 7th Dec. 1885 ...	880
„ „ 1316, „ 5th March 1887.	105
Total ..	985

(*a*) Present roof to be raised.
(*b*) Front wall to be thrown further back.
(*c*) Addition of a room each to the sifting and store rooms.
(*d*) New room for wood store.
(*e*) New asphalte and cement flooring to the oven and kneading rooms, and certain minor alterations to doors and windows, &c.

3. The Commander-in-Chief considers that this estimate should be treated as supplemental to the general estimate for barracks at that station.

No. 6313, Military.

Approved and transferred to the Public Works Department for disposal.

(By order.)

Ootacamund,
18th September 1888.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Order—dated 8th October 1888, No. 3165 W., Public Works.

The estimate, amounting to Rs. 1,840, for extensions and improvements to the bakery at Malapuram, is sanctioned as supplemental to the general estimate for the barracks at that station. The total sanction for the barracks will now stand at Rs. 1,90,552.

2. This sanction has been registered as Imperial No. 38 W. of 1888-89 and classified as Military, Original Works.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. 3166 W., dated 8th October 1888.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle,
with four enclosures.
„ Examiner of Public Works Accounts,
with copy of the abstract estimate.
„ Military Department.

Endorsement—dated 8th October 1888, No. 3166 W., Public Works.

Forwarded.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd J. Henrions.
Spare Copies

2140/6

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated October, 8th.

Recd. Encl.

G.O., 8th Oct. 1888, Nos. 3165, 3166 W.

OCTOBER.

Bakery at Malapuram

Forwarding copy of Proceedings sanctioning estimate for extensions and improvements to the —.

2140-J / 7

3rd March 1884, No. 580 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 8th February 1884, No. 73 E.W.:—

I have the honor to forward, for sanction, eight plans and a revised estimate, amounting to Rs. 1,31,610, for constructing two blocks of barracks, hospital and guard-room for the detachment of European infantry at Malapuram, Malabar district, and for restoring some of the buildings that were burnt there.

* 8 Plans.
* 1 Revised estimate with abstract.
* 1 Duplicate abstract estimate.
* 1 Comparative statement.
* 1 Report.
1 Copy of Quartermaster-General's letter.
* By banghy.

2. An estimate, amounting to Rs. 90,830, for this work, was sanctioned in G.O., No. 1840 W., of 18th July 1882. Malapuram being an out-of-the-way place, lying 18 miles from the nearest railway station, Tirúr, and 31 miles from Calicut, it has been found impossible to carry out the work with the low rates allowed in the original estimate, which was prepared on very old rates in 1879, though submitted and sanctioned later. The total excess over the original estimate is Rs. 61,170.†

3. Out of that excess a sum of Rs. 5,244 is for certain new items which were not thought of, or omitted, by oversight, in the original estimate, viz.:—

		RS.
I.	Item No. 2 : Concrete below foundation	842
II.	" " 5 : Flat and circular archwork	1,859
III.	" " 40 : Gutter pipes	526
IV.	" " 41 : Zinc gutters	670
V.	" " 46 : Covering with asphalte over basement	1,347
	Total ...	5,244

It is hardly necessary to explain that in a place where the rainfall is so high gutters and fall pipes are most necessary; and the asphalte over the basement is very much needed to prevent whiteants reaching the roof through the laterite of the walls.

4. Another portion of the excess is due to alterations of the hospital to fit it for use as a defensive post. The items are—

		RS.
I.	Well	800
II.	Extra woodwork on account of terracing	1,645
III.	Difference between terracing and tiling the roof...	458
IV.	Extra height of walls	150
V.	Extra plastering and white-washing	37
	Total ...	3,090

---

† As given by the Executive Engineer.

5. Again, an excess of Rs. 17,210 is due to provision of cutstone flooring instead of concrete and asphalte in the barracks, mess, and day-rooms. In regard to this I have to point out that His Excellency the Commander-in-Chief agrees to having instead, asphalte with* stone slabs for the legs of cots. By this arrangement the present estimate may be reduced to the extent of Rs. 16,536. The cutstone flooring was entered at the suggestion of General Sankey, who was, however, doubtful whether it would be approved by His Excellency the Commander-in-Chief. I have corrected the item in red ink.

6. Another large item of excess is that for wood-work, Rs. 12,613. Owing to the great rise in the price of teak since these works were estimated for, it has been necessary to increase the price from Rs. 3-8-0 to Rs. 4-4-0 a cubic foot of teak, and to use country teak wherever practicable. For some beams of great size, Moulmein teak may have to be used, but for most of the work that teak-wood is now provided for, Malabar or other country teak will be suitable. In the original estimate unseasoned country wood (at Rs. 1-4-0) of other kinds was provided for much of the wood-work, but it is not considered safe to use such material for beams, bressummers and joists, and for these teak is now allowed. The original estimate also only provided forty-four roof trusses, which were to be at the unusual distance of 13½ feet or more apart. With the approval of General Sankey, this has been altered to the ordinary distance of 10 feet apart, and the number of trusses increased to 57. The excess on wood-work is therefore due to the higher price of teak and the larger quantity of it found to be required.

7. The balance of the excess for work, Rs. 13,548, is simply due to errors and petty omissions in the original estimate and to the insufficiency of the old rates that may have been suitable in 1879 for small works on the coast, but are now quite inadequate in Malapuram.

8. Coming to the items of superintendence and contingencies, I observe that the original estimate provided 5 per cent. for the former and 5 per cent. for the latter. Now that all the items of work have been carefully revised, I consider it will be sufficient to allow at the rate of 3 per cent. for superintendence, and 5 per cent. for contingencies. This will reduce those two items to Rs. 3,639 and Rs. 6,244.

9. The excesses for work will then stand as follow :—

	RS.
Omissions	5,244
Alterations to hospital	3,090
Flooring	674
Wood-work	12,613
Errors and increased rates	13,548

I have accordingly corrected the estimate in red ink.

10. The original and revised estimates stand as follows :—

—	Original.	As revised by Executive Engineer.	As altered by Superintending Engineer.
	RS	RS.	RS.
Works	86,558	1,38,263	1,21,727
Superintendence	2,135	6,866	3,639
Contingencies	2,137	6,871	6,244
Total ...	90,830	1,52,000	1,31,610

The difference between the sanctioned and revised estimates now requiring sanction will then be Rs. 40,780.

* *Vide* Quartermaster-General's letter herewith sent.

2140-1/8

No. 415 C., Public Works.

Submitted for the approval of Government in the Military Department.

CHEPÂK, (Signed) J. SHAW-STEWART, Colonel, R.E.,
20th February 1884. Chief Engineer, P.W.D.

To the Military Department, with papers in original.

No. 909, Military.

Approved.

(By Order.)

FORT ST. GEORGE, (Signed) A. R. KENNEY-HERBERT, Lieut.-Colonel,
25th February 1884. Officiating Secretary to Government.

ORDER—dated 3rd March 1884, No. 580 W., Public Works.

The revised estimate, amounting to Rs. 1,31,610, for constructing barracks for a detachment of British infantry at Malapuram, is sanctioned.

2. The excess of Rs. 40,780, over the original estimate of Rs. 90,830, is explained in the Superintending Engineer's letter above recorded.

3. The expenditure on the work to the end of 1882-83 amounted to Rs. 10,547; the current year's grant stands at Rs. 35,000, and Rs. 38,000 have been provided for it in the Imperial military works budget for 1884-85.

4. This sanction has been registered as Imperial Ordinary No. 71 W. of 1883-84, in supersession of No. 15 W. of 1882-83, and classified as Military Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with twelve enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Military Department.

Exd. E. Fernandez.

Spare Copies

1

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated March, 3rd.

Recd. *Encl.*

G.O., 3rd March 1884, No. 580 W.

MARCH.

Barracks at Malapuram

Revised estimate, amounting to Rs. 1,31,610, for constructing — for a detachment of British infantry, sanctioned with remarks.

2140-1/5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following memorandum from Brigadier-General R. C. STEWART, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 15th May 1885, No. 1629-A :—

Forwarded * (with enclosures) to Government with the approval of the Commander-in-Chief, and with a request that the estimate, &c., may be sanctioned and transferred to the Public Works Department for disposal.

2. Under the circumstances represented by the General Officer Commanding Western District, His Excellency would recommend that the cost of the work be charged to the general building account for the construction of new barracks at Malapuram and met from the amount allotted to that work in the budget for 1885-86.

* Letter from the Officer Commanding Western District, No. $\frac{G}{92}$, dated 1st May 1885, submitting plan and estimate for converting the recreation-room at Malapuram into a cook-house and drying-room.

No. 2667, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund,
18th May 1885.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secretary to Government.

Order—dated 2nd June 1885, No. 1275 W., Public Works.

The estimate, amounting to Rs. 514, for converting the old library at Malapuram into a kitchen and drying-room, is sanctioned as supplemental to the estimate for the barracks at that station, sanctioned in G.O., No. 580 W., dated 3rd March 1884. The total sanction will now stand at Rs. 1,32,124.

2. This sanction has been registered as Imperial, Ordinary, No. 16 W. of 1885-86, and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
,, Examiner, Public Works Accounts.
,, Military Department.

Exd. A. Grubert.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated June, 17th.

Recd. *Encl.*

G.O., 17th June 1885, No. 1416 W.

JUNE.

Slaughter-house and Hanging-shed at Malapuram

Estimate for a —, sanctioned.

2140-1
11

27th November 1885, No. 2845 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From the Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 29th October 1885, No. 3738 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Provincial Commander-in-Chief. The plan and estimate have been countersigned :—

I. Abstract and detailed estimate, amounting to Rs. 1,070, for converting the present wood godown at Malapuram into a bakery.
II. Report and plan.

2. General Rowlands considers the early provision of this bakery to the barracks at Malapuram to be a work of great importance, and suggests that, like the slaughter-house (G.O., No. 4137, of 29th July 1885), the estimate for it be considered as supplemental to the general estimate for the new barracks, and met accordingly from the grant provided for the work in the current year's budget.

No. 6061, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Fort St. George,
31st October 1885.
(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Offg. Secretary to Government.

From Colonel ROSS THOMPSON, Officiating Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Wellington, 14th November 1885, No. 454 E.W.

Referring to your endorsement, No. 1765 C., dated 5th instant, on the Military Secretary's letter, No. 6061, of 31st ultimo, I have the honor to return, herewith, duly approved and countersigned, the plan and estimate, amounting to Rs. 880, for converting the present wood godown into a bakery at Malapuram, together with the documents therewith received.

Order—dated 27th November 1885, No. 2845 W., Public Works.

The estimate, amounting to Rs. 880, for converting the present wood godown at Malapuram into a bakery, is sanctioned as supplemental to the estimate of Rs. 1,34,214 sanctioned for the barracks at that station in G.O., No. 1652 W., dated 15th July 1885.

2. This sanction has been registered as Imperial, Ordinary, No. 50 W. of 1885-86, and classified as Military, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with three enclosures.
" Examiner, Public Works Accounts, with copy of the abstract estimate.
" Military Department.

Exd. E. Fernandez.
Spare Copies

2140/12

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated November, 27th.

Recd. *Encl.*

G.O., 27th Nov. 1885, No. 2845 W.

NOVEMBER.

Bakery

Estimate for converting the present wood godown at Malapuram into a —, sanctioned.

21801/13

13TH SEPTEMBER 1886, No. 2305 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Colonel E. FAUNCE, Officiating Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 19th August 1886, No. 2946 A.

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

Plan and estimate amounting to Rs. 612 for the construction of a cattle-pen at Malapuram in connection with the recently-constructed slaughter-house at that station.

2. His Excellency considers the work a very necessary one, and suggests that, like the slaughter-house at Malapuram (G.O., No. 4137, of 29th July 1885), the estimate for the cattle-pen may be considered as supplemental to the general one for the new barracks at that station.

No. 5042, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND,
20th August 1886.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

From the Superintending Engineer, IV Circle, dated 3rd September 1886, No. 328 E.W.

ORDER—dated 13th September 1886, No. 2305 W., Public Works.

The estimate amounting to Rs. 603, for constructing a cattle-pen at Malapuram, is sanctioned as supplemental to the estimate of Rs. 1,35,094 sanctioned for the barracks at that station in G.O., No. 2845 W., dated 27th November 1885.

2. This sanction has been registered as Imperial Ordinary No. 17 W. of 1886-87, and classified as Military Original Works.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with two enclosures.
„ Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, IV Circle.
„ Military Department.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of |1886| Madras.
PUBLIC WORKS.

Dated September, 13th.

Recd. *Encl.*

G.O., 13th Sept. 1886, No. 2305 W.

SEPTEMBER.

Cattle-pen at Malapuram

Estimate of Rs. 603 for constructing a —, sanctioned.

2140-1/14

24th February 1887, No. 560 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 15th February 1887, No. 728 A. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate below mentioned, which has been approved by the Commander-in-Chief. The estimate has been countersigned :—

Supplemental estimate, amounting to Rs. 105, for converting the wood godown at Malapuram into a bakery, with copy of letter, No. 397 M., of 14th December 1886, from the Superintending Engineer, IV Circle.

2. The above estimate is supplemental to that for Rs. 880 sanctioned in O.G., No. 2845 W., of 27th November 1885—Military Department No. 6962, of 7th December 1885.

3. In view of the early augmentation of the garrison of Malapuram, His Excellency the Commander-in-Chief considers it very desirable that the proposed conversion should be carried out soon.

No. 997, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Fort St. George,
18th February 1887.

(Signed) A. R. KENNEY-HERBERT, Lieut.-Col.,
Secretary to Government.

Order—dated 24th February 1887, No. 560 W., Public Works.

The estimate, amounting to Rs. 105, for converting the wood godown at Malapuram into a bakery, is sanctioned as supplemental to the general estimate for the barracks at that station referred to in G.O., No. 2845 W., dated 27th November 1885.

2. The outlay on the work will be met from the current year's grant for the barracks at Malapuram.

3. This sanction has been registered as Imperial, Ordinary, No. 39 W. of 1886-87, and classified as Military, Original Works.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with one enclosure.
„ Examiner, Public Works Accounts, with the abstract estimate.
„ Military Department.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated February, 24th.

Recd. *Encl.*

G.O., 24th Feb. 1887, No. 560 W.

FEBRUARY.

Bakery

Estimate of Rs. 105 for converting the wood godown at Malapuram into a —, sanctioned.

11th June 1887, No. 1570 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Lieutenant-Colonel E. COLLEN, Officiating Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 30th May 1887, No. 1080 M.W. (Accommodation for Troops):—

In reply to your letter, No. 1004, dated 4th April 1887, I am directed to state that the Government of India sanction the estimate therewith submitted, amounting to Rs. 38,940, for constructing barracks with out-houses at Malapuram for an additional force of 50 men.

Order—dated 11th June 1887, No. 1570 W., Public Works.

Communicated to the officers concerned, with reference to G.O., No. 1003 W., dated 4th April 1887.

2. The total sanction for the barracks at Malapuram will now stand at Rs. 1,74,742. The budget allotment for the work is Rs. 11,000, and the Government of India have been requested, in paragraph 2 of G.O., No. 1160 W., dated 28th April 1887, to sanction a further allotment of Rs. 9,000. Meanwhile the work should be put in hand.

3. The sanction accorded by the Government of India has been registered as Imperial Ordinary, No. 11 W. of 1887-88, and classified as Military, Original Works.

4. Ordered that a copy of these proceedings be forwarded to the Government of India with reference to paragraph 2 of the order.

(Here enter No. 1571 W., dated 11th June 1887.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with ten enclosures.
" Examiner of Public Works Accounts, with the duplicate abstract estimate.
" Military Department.

Exd. P. L. Pereira.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated June, 11th.

Recd. *Encl.*

G.O., 11th June 1887, No. 1570 W.

JUNE.

Barracks at Malapuram

The sanction of the Government of India to the estimate of Rs. 38,940 for constructing — for an additional force of 50 men, communicated to officers concerned, with remarks.

29th June 1887, No. 1733 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 8th June 1887, No. 2071 A. :—

Referring to G.O., No. 1003 W., dated 4th April 1887 (Military No. 2393 of 25th idem), I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimates, plan, &c., below-mentioned, which have been approved by the Commander-in-Chief. The plan and estimates have been countersigned :—

Detail and abstract estimates, amounting to Rs. 5,470, for alterations and improvements to the present canteen at Malapuram, with plan, specification and report.

2. With the exception of some surface drains, for which an estimate is in course of preparation, the present estimate completes all the works necessary for the accommodation of the extra 50 men at Malapuram.

No. 3419, Military.

Approved, and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund,
10th June 1887.

(Signed) A. R. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The estimate for alterations and improvements to the existing canteen at Malapuram is submitted for the sanction of Government, with the following remarks :—

The depth of foundation, 1½ feet, for the main walls of the extension to the building is insufficient, unless the foundations are on rock ; and on this point no information is given in the report or specification.

2. The position of the trusses is faulty, as they should not be placed over openings ; and, in order to place them correctly, their number has been increased to five and the total of the estimate raised to Rs. 5,470.

3. In fixing the ventilators, care must be taken that none of them are placed immediately under a truss.

4. It is not clear that any advantage is gained by using open or honeycomb work in place of windows at the ends of the building.

25th May 1887.

(Signed) J. O. HASTED, Col. R.E.,
Chief Engineer, P.W.D.

ORDER—dated 29th June 1887, No. 1733 W., Public Works.

The estimate of Rs. 5,360, for alterations and improvements to the existing canteen at Malapuram, having been increased to Rs. 5,470 by the Chief Engineer, Public Works Department, sanction is accorded to the increased amount, which will be considered as supplemental to the estimate of Rs. 1,74,742 referred to in G.O., No. 1570 W., dated 11th June 1887.

2. Attention is drawn to the note by the Chief Engineer, Public Works Department, above recorded.

3. This sanction has been registered as Imperial, Ordinary, No. 15 W. of 1887-88, and classified as Military, Original Works.

4. Ordered that a copy of these proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. 1734 W., dated 29th June 1887.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Military Department.

Exd. E. Fernandez.
Spare Copies

2140/17

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated June, 29th.

Recd. *Encl.*

G.O., 29th June 1887, No. 1733 W.

JUNE.

Canteen at Malapuram

An estimate for alterations and improvements to the existing —, sanctioned with remarks.

21st 7/18

24TH AUGUST 1887, No. 2271 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 9th August 1887, No. 2077 B. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

I. Estimate, amounting to Rs. 1,930, for constructing additional drains for the barracks of the detachment, British Infantry, at Malapuram.
II. Report with specification.
III. Three survey plans.

No. 4863, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND, 10th August 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 24th August 1887, No. 2271 W., Public Works.

The estimate, amounting to Rs. 1,930, for constructing additional drains for the barracks of the detachment, British Infantry, at Malapuram, is sanctioned as supplemental to the estimate of Rs. 1,80,212 sanctioned in G.O., No. 1733 W., dated 29th June 1887.

2. This sanction has been registered as Imperial, Ordinary, No. 31 W. of 1887-88, and classified as Military, Original Works.

3. Ordered that a copy of these proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. 2271-A W., dated 24th August 1887.)

(True Extract.)

Captain, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with seven enclosures.
„ Examiner, Public Works Accounts, with copy of the abstract estimate.
„ Military Department.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated August, 24th.

Recd. *Encl.*

G.O., 24th Aug. 1887, No. 2271 W.

AUGUST.

Barracks at Malapuram

Estimate of Rs. 1,930 for constructing additional drains to the — occupied by a detachment of British Infantry, sanctioned.

2140-7/15

24TH AUGUST 1887, No. $\frac{2271\ W.}{A}$, PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following letter from Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 9th August 1887, No. 2077 B. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., below mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned :—

I. Estimate, amounting to Rs. 1,930, for constructing additional drains for the barracks of the detachment, British Infantry, at Malapuram.
II. Report with specification.
III. Three survey plans.

No. 4863, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

OOTACAMUND,
10th August 1887.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

ORDER—dated 24th August 1887, No. 2271 W., Public Works.

The estimate, amounting to Rs. 1,930, for constructing additional drains for the barracks of the detachment, British Infantry, at Malapuram, is sanctioned as supplemental to the estimate of Rs. 1,80,212 sanctioned in G.O., No. 1733 W., dated 29th June 1887.

2. This sanction has been registered as Imperial, Ordinary, No. 31 W. of 1887-88, and classified as Military, Original Works.

3. Ordered that a copy of these proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. $\frac{2271\ W.}{A}$, dated 24th August 1887.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with seven enclosures.
" Examiner, Public Works Accounts, with copy of the abstract estimate.
" Military Department.

ENDORSEMENT—dated 24th August 1887, No. $\frac{2271\ W.}{A}$, Public Works.

Forwarded.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated August, 24th.

Recd. *Encl.*

G.O., 24th Aug. 1887, No. 2271 W. / A

AUGUST.

Barracks at Malapuram

A copy of proceedings sanctioning the estimate of Rs. 1,930 for constructing additional drains to the —, forwarded to the Government of India, Military Department.

2140J/20

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following letter from Colonel M. PROTHEROE, C.B., C.S.I., Officiating Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 26th April 1888, No. 1723 A. :—

I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plans, &c., below mentioned, which have been approved by the Commander-in-Chief. The plans and estimate have been countersigned :—

Estimate, amounting to Rs. 1,800, for constructing a new contagious disease ward in the hospital compound at Malapuram, as part of the general estimate for barracks at that station, with report, specification and two plans.

2. The present ward is unsuitable for the purpose for which it is required, being close to a public road and dangerously close to the bakery, cart-shed, contractor's bungalow, Commissariat stores and slaughter-house; and it is, therefore, proposed to utilise it as quarters for the Commissariat Sergeant at that station, as the quarters at present occupied by that subordinate are reported to be unhealthy.

3. The proposed site for the new ward is considered suitable and free from any sanitary objections by the medical authorities, and it possesses the additional advantages that no extra staff of servants will be required, that it is conveniently close to the cook-house, &c., and that it commands a clear space of ground all round.

4. As the construction of this ward will do away with the necessity for the compound wall around the present contagious disease ward, the estimate for the latter work sanctioned in O.G. No. 6805, of 5th November 1887, may now be cancelled.

No. 2888, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund,
30th April 1888.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Order—dated 21st May 1888, No. 1491 W., Public Works.

The estimate, amounting to Rs. 1,800, for constructing a new contagious disease ward in the hospital compound at Malapuram is sanctioned as supplemental to the general estimate for the barracks at that station.

2. With reference to para. 4 of the Officiating Quartermaster-General's letter No. 1723 A., dated 26th April 1888, above recorded, the sanction conveyed in G.O. No. 2822 W., dated 21st October 1887, for constructing a compound wall around the

existing contagious disease ward is cancelled, and the general estimate for the barracks is reduced by Rs. 725.

3. The sanction accorded in these Proceedings has been registered as Imperial Ordinary No. 12 W. of 1888-89, and classified as Military Original Works.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, for information :—

(Here enter No. 1492 W., dated 21st May 1888.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with six enclosures.
" Examiner, Public Works Accounts, with copy of the abstract estimate.
" Military Department.

Exd. F. R. Bantleman.
Spare Copies

2140/21

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated May, 21st.

Recd. *Encl.*

G.O., 21st May 1888, No. 1491 W.

MAY.

Contagious disease ward in the hospital compound at Malapuram

Supplemental estimate for constructing a new —, sanctioned, and the sanction accorded in G.O. No. 2822 W., dated 21st October 1887, for constructing a compound wall around the existing contagious disease ward, cancelled.

2140-1/22

18th August 1888, No. 2538 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers;—

From Colonel M. PROTHEROE, C.B., C.S.I., Officiating Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 26th July 1888, No. 2663-A.

I have the honor, by order, to forward for sanction and transfer to the Public Works Department for disposal the estimate, plan, &c., below mentioned, which have been approved by the Commander-in-Chief. The plan and estimate have been countersigned:

Estimate, amounting to Rs. 4,770, for providing lightning conductors to the barracks and hospital at Malapuram, with report, specification and plan.

2. The Commander-in-Chief considers that this estimate should be considered as supplemental to the general estimate for new barracks at that station.

No. 5159, Military.

Approved and transferred to the Public Works Department for disposal.

Ootacamund,
27th July 1888.
(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The estimate, amounting to Rs. 4,770, for providing lightning conductors to the barracks and hospital at Malapuram, is submitted for the sanction of Government with the following remarks:—

(1) The terminals should be constructed in accordance with para. (*m*) of the instructions printed with G.O. No. 845 W., dated 14th March 1888.

(2) The Superintending Engineer will consider whether any reduction can be made in the item "teak-wood blocks."

14th August 1888.
(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, P.W.D.

Order—dated 18th August 1888, No. 2538 W., Public Works.

The estimate, amounting to Rs. 4,770, for providing lightning conductors to the barracks and hospital at Malapuram, is sanctioned as supplemental to the general estimate for the barracks at that station. The total sanction for the barracks will now stand at Rs. 1,88,712.

2. Attention is drawn to the Note by the Chief Engineer, Public Works Department, above recorded.

3. This sanction has been registered as Imperial, Ordinary, No. 31 W. of 1888-89, and classified as Military, Original Works.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, for information.

(Here enter No. $\frac{2538\text{ W.}}{\text{A.}}$, dated 18th August 1888.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
" Examiner of Public Works Accounts, with the duplicate general abstract estimate.
" Military Department.

ENDORSEMENT—dated 18th August 1888, No. $\frac{2538\text{ W.}}{\text{A.}}$, Public Works.

Forwarded.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. F. R. Bantleman.
Spare Copies

2140/23

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1888) Madras.

PUBLIC WORKS.

Dated August, 18th.

Recd. *Encl.*

G.O., 18th Aug. 1888, No. 2538 W. / A

AUGUST.

Barracks and Hospital at Malapuram

Forwarding copy of Proceedings sanctioning a supplemental estimate for providing lightning conductors to the —.

21417/24

30th August 1888, No. 2687 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following papers :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 14th August 1888, No. 2937 A.

With reference to O.G. No. 4012, of 15th June 1888, I have the honor, by order, to forward, for sanction and transfer to the Public Works Department for disposal, the estimate, plans, &c., below mentioned, which have been approved by the Commander-in-Chief. The plans and estimate have been countersigned :

Estimate, amounting to Rs. 2,270, for converting the old contagious disease ward at Málápuram into quarters for the Commissariat Sergeant at that station, with report, specification and two plans.

No. 5567, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund,
15th August 1888.
(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Note by the Chief Engineer, Public Works Department.

The estimate, amounting to Rs. 2,270, for converting the contagious disease ward at Málápuram into quarters for the Commissariat Sergeant, is recommended for the sanction of Government, with the remark that the necessity for the additional steps in the front of the building is not apparent; if required, they should be placed at the side, as marked on the plan.

27th August 1888.
(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer, P. W. D.

Order—dated 30th August 1888, No. 2687 W., Public Works.

The estimate, amounting to Rs. 2,270, for converting the contagious disease ward at Málápuram into quarters for the Commissariat Sergeant, is sanctioned for execution when funds are available.

2. Attention is drawn to the Chief Engineer's Note above recorded.

3. This sanction has been registered as Imperial No. 80 W. of 1888-89 and classified as Military, Original Works.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with four enclosures.
,, Examiner of Public Works Accounts, with the abstract estimate for note and return to the Superintending Engineer.
,, Military Department.

Exd. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated August, 30th.

Recd. *Encl.*

G.O., 30th Aug. 1888, No. 2687 W.

AUGUST.

Quarters for the Commissariat Sergeant, Malapuram

Estimate for converting the contagious disease ward into —, sanctioned.

Executive Engineer's Office,
WEST COAST DIVISION,
Calicut 24 January 1889

No. 41

FROM

Col: A. T. Fraser R.E.

EXECUTIVE ENGINEER,
WEST COAST DIVISION.

TO

The Superintending Engineer,
4th Circle.

SIR

I have the honor to state in reply to your No. 31 W.C. dated 19th Instant, that I see no necessity for treating every item of new work unconnected with the scheme of Barrack accommodation already sanctioned and in progress, as supplemental to the estimates for the new blocks of Barracks.

2. At all stations there are Constant improvements called for to existing buildings or for some minor works to which Malapuram is no exception.

3. As the works are not

at

at a stage for a Completion Report, it would seem sufficient if all subsequent estimates sanctioned stood on their own merits and received special appropriations.

I have the honor to be
Sir,
Your most obedt. servant

Col RE,
Executive Engineer.

No. 45/W.

Submitted to the Chief Engineer P.W.D with reference to G.O. No 93 W. of 11th Jany. 1889

2. The undersigned concurs in the views expressed by the Executive Engineer.

Camp Wellington,
28th Jany/89

A C Smith Lt. Col R.E,
Supg. Engineer, 4th circle

WEST COAST DIVISION.

SUPG: ENGINEER'S OFFICE
No. 52WC
26 JAN.89
P.W.D.
FOURTH CIRCLE

FROM

EXECUTIVE ENGINEER,
WEST COAST DIVISION.

To

The Supg. Engineer
~~IV~~ circle

Dated 24th }
Despatched } January 1889.
Received }

No. 41

ENCLOSURES.

Scheme of Barrack
accommodation
at Mallapuram

Reports on —

No. 73 W d/ 11-1-89
" 3737-8 W - 27-11-88

No. 497 C d/ 2nd July 1889

8441/Mil. 944/27

C ~~Memo.~~ Memo.

~~With reference to letter from the Supdg: Engr. IV Circle No. 45/B.W d/ 28th January 1889,~~ the ~~undersigned has the~~ honour to state that the information furnished is insufficient for a report to the Govt. of India. The S.E. is requested to submit without delay a statement showing the expenditure incurred up to date against the estimates already sanctioned, & what remains to be done to complete this project. A report in detail as to the present state of the works should also be submitted.

1/2/89

~~S.E. IV Circle~~ Dk/v

From
The Supg. Engineer,
Fourth circle.

SECRETARY TO GOVERNMENT
31 JAN.89
P.W. DEPARTMENT, MADRAS

Dated 28th Jany/89.
Rey 31

No. 497 C d/ 2nd July 1889

No. 45/B.W

Scheme of barrack accommodation at Mallapuram.—

Submitting letter from the Executive Engineer West Coast Dn reporting on the —; and stating that he concurs in the views expressed by the Executive Engineer.

~~With~~ memo.

No 380.

Executive Engineer's Office,
West Coast Division,
Calicut 15th July 1889.

4P

From

Colonel A. T. Fraser, R.E.,
Executive Engineer,
West Coast Division.

To

The Superintending Engineer,
4th Circle.

Sir,

With reference to G.O. No 1159 W. dated 1st May 1889, communicated with your No 185 C, dated 22nd May 1889, I have the honor to forward a compiled General estimate amounting to Rs 1,78,319 for the Scheme of new Barrack accommodation at Malapuram for a detachment of European Troops sanctioned under various orders of the Local Government at different times and required to be sanctioned for purposes of account by the Government of India as a whole.

2. The difference between the amount

of

of the Compiled estimate Rs 1,78,319 and Rs 1,91,412 = 13093 is caused by saving on the estimates of work long completed and whose accounts have been closed.

I have &ca

Signed / A. T. Fraser, Col: R.E.,
Executive Engineer.

No: 341/Encl 5P

Copy Communicated to the Chief Engineer P.W. Department together with the Compiled abstract Estimate, report, a Block plan of the Malapuram Cantonment and a duplicate of the abstract estimate, as called for in para 5 of G.O. No 1159 W. of 1st May 1889.

Enclosures 4
2 Abstract Estimates
1 Report and
1 Plan

Colonel R.E.,
Superintending Engineer, IV Circle

Camp Ooty
d 25/7/89

P.W.C. No. 6944

From (1)

The Supg. Engineer
Fourth Circle.

Dated 25th July 1889.

Rd 29.7.89
30-7-89

No. 341
E.W.

Enclo: 4. (+ 1 plan)

New Barracks for Detachment at Malapuram.

Forwarding an estimate for construction, Rs. 178,319.

G. O. No. 1159 W d/ 1-5-89
. . . 1122 W d/ 26-4-89
Memo No. 497 C d/ 2-2-89
Pro. No. 73 W d/ 11-1-89
Pro. No. 3737.38 W d/ 27.11.88
. . . 3165.66 W d/ 8-10.88
. . . 2687 W d/ 20.8.88
. . . 2588 W d/ 18-8.88
. . . 1491 W d/ 4-5-88
. . . 2271 W / A d/ 24-8.87
. . . 2271 W d/ 24-8-87
. . . 1783 W d/ 29-6-87
. . . 1670 W d/ 11-6-87
. . . 580 W d/ 24-2-87
. . . 2305 W d/ 13-9.86
. . . 2845 W d/ 27-11-85
. . . 1416 W d/ 17-6-85
. . . 1275 W d/ 2-6.85
. . . 580 W d/ 3-3-84

2/3/8

M. D. 18.

2/W
30

SECRETARY TO GOVERNMENT,
-9 JAN. 89
P. W. DEPARTMENT, MADRAS.

HEADING.

Accommodation for troops.

It is requested that the above heading, with number and date of this communication, may be quoted in any subsequent correspondence on the subject.

No. 18 M. W.

GOVERNMENT OF INDIA,

MILITARY DEPARTMENT.

Fort William, the 3d January 1889.

To

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
PUBLIC WORKS DEPARTMENT.

SIR,

+ No. 3738 W dated 27th November 1888.

I am directed to acknowledge the receipt of the Proceedings+ of the Madras Government, sanctioning an estimate, amounting to Rupees 860/, for improvements to the ventilation of the latrine attached to block No. 1 of the barracks at Malapuram as supplemental to the general estimate for the barracks at that station.

2. With reference thereto, I am to observe that it would be convenient if a revised estimate for the barracks were sanctioned once for all, or the existing estimates might be closed, and a completion report submitted

Any

No. Cl. 140

Any further improvements that may become necessary hereafter would then be dealt with on fresh estimates.

I am,
Sir,
Your most obedient servant,
J. L. Broadbent Major,
for Secretary to the Govt. of India

Ry 9/1/89

No. 73 W d/ 11. 1. 89

10

3737 – 8 W 27/11/88

Communicated to
the Supdg. Engrs. IV. Circle
for report whether the
suggestion of the Govt.
of India can conveniently
be carried out.

10. 1. 89

10/1/89

S. E. IV. Circle
D 15/1

No. 2140 W

2(W/31)

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7 August

READ the following

From the Superintending Engineer IV Circle } No. 45 Ewd / 28th Jany 1889.

Read again

G. O. No. 1122 W dated 26th April 1889.

Read also

Letter from the Supdg. Engineer IV Circle } No. 341 Ewd / 25th July 1889.

GP

In its letter No. 18 M. W. dated 13th Jany 1889, the Government of India remarked that it would be convenient if a revised estimate for the Barracks at Malapuram ~~were~~ was sanctioned once for all, or if the existing Estimates were closed, and a completion report submitted, any further improvements hereafter found necessary being dealt with on fresh Estimates.

2. The Superintending Engineer IV Circle in his letter

Letter No. 45 E.W., dated 28th January 1889 reported that the works were not at a stage fit for the submission of a completion report and that it would be sufficient if all subsequent Estimates stood on their own merits and received special appropriations.

3. — With reference to para 5 of G.O. No. 1159 W dated 1st May 1889, the Superintending Engineer submits a ~~[illegible]~~ total revised Estimate amounting to Rs 1,78,319, and explains that the difference between this amount and that fixed in G.O. No. 3737 W dated 27th November 1888 viz Rs 1,91,412 is due to savings on the Estimates already completed.

4. — The revised estimate for the works, aggregating Rs 1,78,319, is now sanctioned in supersession of all previous estimates. Any further additions hereafter considered necessary should be provided for on separate Estimates.

5. — The sanction accorded in para 4 of these Proceedings has been registered as Imperial No. 10 W of 1889-90, and classified as Military, Original Works.

6. — Ordered that a copy of these Proceedings, together with a copy of G.O. No. 1122 W dated 26th April 1889, be forwarded to the Govt. of India, Military Dept. with reference to para 2 of its Letter No. 18 M.W. dated 13th January 1889, and para 5 of its Resolution No. 683 M.W., dated 29th March 1889.

2140-7/32

MP

The Supdg Engineer IV Circle with 4 Eng/Sources.
Examiner P.W. Accounts with dup: abstract Estimate.
Military Department

D 19/8

HE No. [illegible] wd/- [illegible]

Forwarded.
(By order)

3.8.89

Recd 5.8.89

D 19/8/89

Cu

0/3/8

O.K. 31/8.. Hmb/8..

Govt. of 18 Madras.

PUBLIC WORKS.

Date

Recd. Entd.

G.O. 9 Aug 1889 No. 2140 W / 2141

Barracks at Mala-
=
puram
=
Orders sanctioning revised estimate for the —

Barracks at Malapuram
=
Forwards copy of Pro: sanctioning revised estimate for the —

10/8

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