(1) பக்கங்களின் எண்ணிக்கை 32.
(2) புதுக்கித் திருப்பிய நாள் 12.4.88
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

10/6/88

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.WD துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 3110.

அச்சகம்
பலவகை

நாள் : 17. 11. 198[illegible].

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

17th November 1887, No. 3110 W., Public Works.

1/3110

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer for Irrigation, dated Coimbatore, 4th November 1887, No. 105 E.I.

With reference to paragraph 2 of your memorandum, No. IV/22 S.L., of 2nd instant, I have the honor to forward, for submission to Government, the usual proposition statement for the establishment required for the charge of the Barur project works from the next official year.

Enclosure.

Statement of proposition for revision of Establishment.

Order sanctioning Establishment.		Office to which the proposition refers.	Nature of Change.												Proposition.					
			Present Scale.						Proposed Scale.						Permanent.		Temporary.			
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.	MTHS.	RS.	MTHS.	RS.
				Nil.					1	Anicut Superintendent	..	..	..	35	..	..	..	..	..	..
									4	Lascars at Rs. 6 each	..	..	..	24	..	..	..	..	..	..
										Total per month ..	..	..	..	59	..	..	..	..	..	..
										Total per year ..	..	..	..	708	708	..	..	..	..	..

Coimbatore,
4th November 1887.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

2/3110

No. 75 E.W.

Forwarded to the Chief Engineer, Public Works Department, with the recommendation that the establishment required for the charge of the completed portion of the Barur tank project may be sanctioned, the head-sluice and the supply channel having been brought into use this year.

Chepák,
10th November 1887.

(Signed) H. R. MEAD, Col., R.E.,
Chief Engineer for Irrigation.

Order—dated 17th November 1887, No. 3110 W., Public Works.

Sanction is accorded to the entertainment of one anicut superintendent on Rs. 35 and four lascars on Rs. 6 each per mensem for charge of the completed portion of the Barur tank project.

2. This sanction has been registered as Provincial, No. 44 of 1887-88, and classified as Establishment, Permanent.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. J. Henricus.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated November, 17th.

Recd.

Encl

G.O., 17th Nov. 1887, No. 3110 W.

NOVEMBER.

Barur Tank Project

Entertainment of an anicut superintenden
and four lascars for charge of the complete
portion of the —, sanctioned.

[illegible] Engineer's Office,
Coimbatore 19th October 1887.

No. 97
E.S.

3110

From
Colonel J. Beatty, R.E.,
Superintending Engineer,
Fourth circle.

To
The C[illegible] Engineer,
for [illegible]ation.

Sir,

Enclosure 1 statement

With reference to your Memo No. 14 IV of 10th Instant, I have the honor to forward herewith, a Revised Distribution Statement of the propos expenditure on the Barur Project in 1887-88. At present Rs. 34,000 is what it is considered safe to reckon on. If any further changes, either in the distribution or the total amount of the outlay, should appear to be necessary or possible, a further statement will be submitted

in

wi

2. With regard to the amounts entered in Columns 4, 5 and 6 of Part I of the Budget Estimate, the alterations for including Establishment and Tools, and Plant charges have hitherto been made in the Chief Engineer's Office.

3. The Head sluice and Supply channel of the [illegible] Tank have been brought into [illegible] river water passed down the Channel. A special report is expected from the Divisional Officer which will be forwarded. I think therefore that it may be well to provide in next year's Budget for the following Establishment for charge of these works:—

1 Anicut superintendent on Rs: 35.
4 Lascars, at Rs: 6 each „ 24
Total cost of Establishment „ 59

And (a sum of Rs: 500 might be provided to meet the cost of any repairs that may be required.

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

F. Beatty. Col: RE.,
Superintg Engineer 4th Circle.

4/3110

FOR IRRIGATION

From

Colonel J. Beatty R.E.
Sup. Engineer
Fourth circle.

Dated 19th } Octr: 187
Despd:

No. 97/E.I

Enclo: 1

Statement for modification of allotments for Barur Project Works for 1887-88 –

Forwarding with his observations a—.

No. 891

Executive Engineer's Office
Coimbatore 21st October 1887

From

A. T. Mackenzie Esq
Executive Engineer
Coimbatore Division

To

The Superintending Engineer
Fourth Circle

Sir,

I have the honour to inform you that I opened the Head sluice of the Barur Tank Supply Channel on the 16th October – At that time the condition of essential works was as follows – The platform arches of the Head sluice were finished and centerings removed – The Supply channel was clear to bed level throughou with a bottom width of 8'. No. 1 Slu was not finished, so arrangement were made for the Irrigation under it, partly by a spout and partly by sluice No. 2. The arches of all the accommodation bridges were finished and centerings removed. The Tank Bun

w

was complete from the weir to the site of old East sluice. Beyond that for a short distance it was nearly 6' below full height; but the ground in rear is higher than the level of water we propose to allow in the Tank at present, and the bund as it is will be 10½' higher than that level. The gaps of old East and West sluices were filled and revetted nearly to full height. The excavation of the new Irrigation Channel along the toe of the bund was finished. There was therefore no reason why the sluice should not be opened.

2. The Tank had, owing to a small cyclone on the 9th in which 5¼" of rain fell, received a supply of 4', ie up to the sill of new West sluice: and the proposed level was only 6' higher. No damage was done to the works by the rains and in fact it served a useful purpose. The Supply Channel took all the drainage without any of the outlets discharging.

3. Two vents of the Head sluice were opened to 1'.6" at about 10 A.M. There

are

6/3800

are several small tanks to be fille en-route and the water did not reach the Barür Tank till noon on the 18th. There are no gauges fixed a great piece of neglect, which will be rectified without delay and the exact depth of water in the river coul not be determined. It was however over the anicut, that is more than 6' above Head sluice Floor; but in spite of this only 1'-3" was measured in the channel directly in rear. The reason of this was that the broad cross bund against the head sluice had not been thoroughly removed, and an attempt was made to get some coolies to clear the passage, but one and all refused to appear. A rumour, it seemed, had been circulated in the neighbourhood, that the Executive Engineer had decided to offer an oblation of human bloo on opening the channel, to obtain which he was to scatter coppers on the Tank Revetment. The coolies would scramble for the coppers and

fall

fall and get hurt, and the object would be attained. The rumour was baseless; but the people did not return to work till the 18th, after I had left.

As the water is entering the Tank so slowly I have judged it best not to delay this report, but to forward hereafter any details of importance.

I have the honor to be
Sir,
Your most obedient servant
A. Mackenzie
Executive Engineer

2/3100

SUPG: ENGINEER'S OFFICE
No. 830 C.J.
22 OCT. 87
P.W.D.
FOURTH CIRCLE

From

A. T. Mackenzie Esq
Executive Engineer
Coimbatore Division

CHIEF ENGINEER
No. 28
27 OCT. 87
FOR IRRIGATION

Dated 21st
Despd
Received } October 1887

No. 891

Head sluice of the Barur Tank supply channel.

Reports that the — was opened on the 16th October 1887 and on the state of works at that time —

Superintending Engineer's Office 4th Circle.
Coimbatore 24th October 1887

No: 102/E.J.

From,

COLONEL J. BEATTY R. E.,
SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

To,

The Chief Engineer
for Irrigation

Sir,

Enclosure 1
Executive Engineer
No 891 of 21st
October 1887

I have the honor to forward for your information the first report of the Executive Engineer Coimbatore on the opening of the Head sluice of the Barur Tank supply channel.

2 The Barur Tank is now being filled at the rate of a few inches a day up to the level of 6 feet on the sill of the new west sluice.

3 I have called for a further report with fuller particulars which will also be sent you.

I

I have the honor to be
Sir
Your most obdt servant

J. Beatty Colonel RE
Supty: Engineer IV Circle

9/310

27 OCT 87

FROM

COLONEL J. BEATTY R. E.,
SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

Dated. } 24th October 1887.
Recd : }

No. 102/E.I.

Enclo: 1

Recd

Head Sluice of Barur Tank supply channel-

Forwarding for information, the first report of the Executive Engineer on the opening of the —; and stating that a fuller report with further particulars will be sent.

Ex. 10/2755

10/3100

Memo

In acknowledging the receipt of letter No. 297 E.I. of 19th ult from the Supdg. Eng. Fourth Circle, the undersigned has the honor to inform him that the additional funds required for the Barur project has been recommended for the sanction of Govt.

~~2. The special report promised to be submitted in para 3 of the Supdg. Engr's letter regarding the head sluice & supply channel of the Barur tank being brought into use is awaited.~~

~~3~~2 The Supdg Eng

Yes. It has been received in the Office but I have not seen it till now [illegible] —

for submission to Govt,
is requested to submit the usual proportion statement for the establishment required for the charge of the works.

A Sum of Rs 1000 has been provided in the Cons. budget of the ensuing official year to meet the cost of any repairs to the works of the Town Project. — vide lr. to Govt, of 6th Octr 1887.

7/11/87

3/11/87

To — The S.E.

IV

W.S.
1/11/87

3110 W

IV Circle

Coimbatore Division

Statement showing the modification of allotments for Barur Project Works for 1887–88.

Division	Main & sub heads	Names of Works	Amount of Estimate	Outlay up to 31st March/87.	Balance of Estimate.	Existing grant as per budget of 1887–88.	Outlay during 1887-88 up to 30th September 1887.	Modification of allotment applied for. Reduction	Increase	Proposed grant as it now stands	Remarks.
		Capital Expenditure on Public Works not charged against Revenue.									
		Irrigation.									
		Barur Project Works.									
		I Head Works.									
Coimbatore	1a	Amount required for surveying and levelling.	400	256	146	126	"	106	"	20	
	1b	Compensation for Land.	10774.	8729	2045	200	"	"	300	500	additional land is being taken up for the east main channel for this reason funds are req.
	1c	Anicut across the Ponniar near Nedunge	22900	12265	10640	3000	441	"	2000	5000	
	1c	Forming flood embankments on the right & left ends of Anicut	2877	2076	801	"	2600	"	801	801	Required to complete the work
	10	Contingencies for Hospital.	630	328	202	199	43	"	"	199	
		II Main canals & branches.									
	II b	Head sluice to Agaram channel	9034	8933	101	"	15	"	101	101	Do do
	II c	New head to do	3626	1741	1784	1373	117	"	411	1784	This work will be completed in this year if possible.
	II d	Head sluice to Barur tank supply channel.	6338	3068	3270	1617	1324	"	1571	3188	Required to complete the work within the current year.
	II e	16 Inlets to do do	967	292	665	419	20	389	"	30	It is not proposed to do any more work during the current year.
	II f	18 Outlets to do do	4010	2676	1334	"	317	"	900	900	The sum is required
		Carried over	61350	40363	20987	6934	2527	495			

IV Circle

Coimbatore Division

Statement showing the modification of allotments for Barur Project Works for 1887–88.

Division	Main & subheads	Names of Works	Amount of Estimate	Outlay up to 31st March/87	Balance of Estimate	Existing grant as per budget of 1887–88	Outlay during 1887–88 up to 30th September 1887	Modification of allotment applied for. Reduction	Modification of allotment applied for. Increase	Proposed grant as it now stands	Remarks
		Brought out	61360	40363	20987	6934	2527	495	6084	12523	12/3110
	II a	Constructing 7 bridges to Barur tank supply channel	5131	2395	2736	1000	1304	"	1700	2700	Required to complete the work within the current year.
	II b	Cutting Barur tank supply channel	75492	69577	5915	"	2725	"	5000	5000	Do. do.
	II n	Morasampatti Tank sluice	440	363	77	"	32	"	70	70	Do. Do.
	II n	Velangannoi do.	680	516	164	"	92	"	160	160	Do. Do.
	II n	Poongampatti do.	784	718	66	"	17	"	60	60	Do. Do.
	II o	15 Distribution sluices	4650	3363	1287	1082	172	182	"	900	
		II A. Tanks and Reservoirs									
Coimbatore	II A	Constructing Barur tank bund	66620	61488	5132	1500	1996	"	2500	4000	Do. Do.
		III Distributaries									
	III c	Kulcoppam eastern sluice	3235	3084	151	"	70	"	70	70	Do. Do.
	III c	Do. western do.	3167	2596	571	"	"	"	500	500	Do. Do.
	III c	Aqueduct to Kulcoppam channel	2575	1687	888	"	140	"	888	888	The amount of estimate revised is Rs 2575.
	III c	23 Inlets	2024	"	2024	826	"	826	"	"	It is not proposed to construct any of the inlets at present.
	III c	35 Outlets and rise Terminals	14636	3643	10993	1883	451	1383	"	500	No new outlets will be put in hand at present.
	III c	60 Distribution sluices	6495	180	6315	1555	598	555	"	1000	Only sluices on the west main & branch channels will be completed within the current year.
		Carried over	247279	189976	57313	14780	10123	3441	17032	28371	

IV Circle

Coimbatore Division

Statement showing the modification of allotments for Bavani Project Works for 1887–88.

Division	Main & sub heads	Names of Works	Amount of Estimate	Outlay up to 31st March /87	Balance of Estimate	Existing grant as per Budget of 1887–88	Outlay during 1887–88 up to 30th September 1887	Modification of allotment applied for. Reduction	Modification of allotment applied for. Increase	Proposed grant as it now stands	Remarks
		Brought out.	247279	189976	57303	14780	10123	3447	17032	28371	
Coimbatore	III c	19 Masonry falls.	4570	761	3809	"	17	"	30	30	Required to meet the cost of work done — No more work will be done during the current year.
	III c	Tunnels and bridges	1912	224	1688	492	3	488	"	4	
	III L	Keelcooppam west channel	3350	2375	975	636	160	"	64	700	
	III L	Do. branch do.	1187	593	594	343	60	43	"	300	
	III L	Do. East main channel	24906	5477	19429	5042	1323	888	"	4154	It is not anticipated that more than this amount will be utilized during the current year.
	III L	Do. Do. Branch No 1	1510	"	1510	1510	"	1510	"	"	It is not proposed to carry out these works during the current year.
	III L	Do. Do. No 2	1597	"	1597	1597	"	1597	"	"	
	III L	Constructing an irrigation sluice to Keelcoopam tank.	414	323	91	"	60	"	91	91	Required to meet the cost of work done.
	III k	Constructing 3 lines of huts for the use of work people on the Head works at Nedungal.	501	"	501	"	316	"	350	350	
		Total	287226	199729	87497	24400	12061	7967	17567	34000	

17567
7967
9600
2139
11739

Camp Salem
14th October 1887
Despd 15th October 1887

A. W. Mackenzie
Executive Engineer

Enclosure 1 to letter N
870 dated 15th Octobe
1887 from the Executi
Engineer Coimbator
Division

SUPG: ENGINEER'S OFFICE
No. 1/799 C.J.
15 OCT. 87
P.W.D.
FOURTH CIRCLE

Statement showing
the modification of a
lotments for Barur Pr
ject Works for 1887-88

Superintending Engineer's Office 4th Circle.

Coimbatore 4th Novr. 1887.

13/3110

No. 105/C.J.

From,
COLONEL J. BEATTY R. E.,
Superintending Engineer,
Fourth Circle.

To,
The Chief Engineer
for Irrigation

Sir,

With reference to para 2 of your Memorandum No. IV/22SL of 2d Instant I have the honor to forward for submission to Government the usual proposition statement for the establishment required for the charge of the Barur Project works from the next official year.

I have the honor to be
Sir
Your most obt servant

J. Beatty Col. RE
Supty: Engineer IV circle

Circ. 15-11-87

portion of the Barur tank project.

This sanction has been registered as Provincial No. 44 of 1887-88, and classified as Establishment - Permanent.

14/3/10

Jee
14/11/87

S. E. IV Circle
C. E. for I.
Ex. P. W. A.

Dy 14/11

circ. 15-11-87

No. 9105

Rl. 75 Estl. Sndy

Forwarded to the Chief Engineer P.W. Dept: with the recommendation that the establishment required for the charge of the completed portion of the Barur Tank project may be sanctioned; the head sluice and the supply Channel having been brought into use this year

Col. R.E.

Chief Engr. for Irrign.

Chepauk }
10 Nov 1887 } The Hon. [illegible]

No. 13110 d/ 2/17 Nov.

Sanction is accorded to the Entertainment of one Anicut Supt: on Rs 35, and 4 lascars on Rs 6 each, per mensem for charge of the completed portion

FROM
COLONEL J. BEATTY R. E.,
SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

Dated. } 4th November 1887
Recd: }

No. 105/E.G.

ENCLO: 1

Proposition Statement required for charge of Barur Project Works

Forwarding for submission the usual — for the next Official year.

With order

Statement of proposition for revision of Establishment.

15/3/10

Order sanctioning Establishment		Office to which the proposition applies	Nature of change												Proposition						Remarks
			Present scale						Proposed scale						Permanent		Temporary				
															Increase per month	Decrease per month	Increase per month		Decrease per month		
					Pay						Pay										
No.	Date		No.	Designation	Minimum	Increment	Maximum	Average or fixed	No.	Designation	Minimum	Increment	Maximum	Average or fixed	Amount	Amount	Period	Amount	Period	Amount	
				— Nil —					1	Anicut Superintendent —	"	"	"	35							
									4	Lascars @ 6 Rs	"	"	"	24							
										Total per month —				59							
										" per year —				708	708	"	"	"	"	"	

Supg: Engineer's office IV circle }
Coimbatore 4th November /87 }

J. Beatty Colonel R.E.
Supdg: Engineer IV Circle

Enclosure No 1 of a letter
No: $\frac{105}{88}$ of 4th November /69
from the Sup: Engi-neer 4th Circle.

Statement of proposition for revision of
Establishment.

9104

Govt. of (1887) Madras.

PUBLIC WORKS.

19/11

Recd 19/11/87

Dated

Recd.

Encl.

G.O., 17 Nov 1887, No. 3110 W

Barur Tank Project

=

Entertainment of an Ancient Supt & four lascars for charge of the completed portion of the —, sanctioned.

6

70/6

19/11

19/11

Number of Sheets. 18

Date of Rep in 9.5/4/88

Initial of the Reps.

Tamilnadu Archives

Govt of Tamilnadu

G.O. No: 3114 W dt 18-11-1887

Public Works Department.

RP

3114/1

18th November 1887, No. 3114 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, 11th August 1887, No. 2096 B.

In forwarding, for sanction and transfer to the Public Works Department for disposal, the estimate, plan, &c., marginally noted, amounting to Rs. 8,850, for constructing a fortified post at Malapuram, I have the honor, by order, to state that, while the Commander-in-Chief approves the estimate generally, His Excellency considers the provision of a magazine in the hospital unnecessary.

1 Estimate.
1 Report.
1 Specification.
1 Abstract in duplicate.
3 Plans and copy of letter, No. 229 M., dated 2nd July 1887, from Superintending Engineer, IV Circle.

2. His Excellency accepts the proposal made by the Superintending Engineer, IV Circle, in paragraph 3 of his letter No. 229 M., dated 2nd July 1887, regarding the demolition of rooms *e* and *f* in lieu of *b* and *c*.

3. The plan and estimate have been countersigned.

No. 4953, Military.

Approved and transferred to the Public Works Department for disposal.

(By Order.)

Ootacamund, 13th August 1887. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

No. 485 D.

Forwarded to the Superintending Engineer, IV Circle, for revision of the estimate in accordance with His Excellency the Commander-in-Chief's suggestions.

2. The report should be clearer, and should state the position and extent of the platforms.

26th August 1887. (Signed) J. O. HASTED, Col., R.E.,
Secretary to Government, P.W.D.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 3rd November 1887, No. 446 E.W.

With reference to your endorsement, No. 485 D., of 26th August 1887, on the order of the Military Department, No. 4953, of 13th idem, I have the honor to return you the plans and estimate for converting the hospital and flagstaff hill at Malapuram into a fortified post corrected.

2. The provision for a magazine, Rs. 602, has been struck out of the estimate, which reduces the total cost from Rs. 8,850 to Rs. 8,248.

3. And I have furnished a revised report to accompany the estimate with a view to making the proposals clearer. The revised report explains the position and extent of the firing platforms.

3114/2

4. As the original general abstract contains many corrections, I send a revised fair copy of it in duplicate, together with the original one bearing the signatures of the Military authorities.

ENCLOSURE.

REVISED report to accompany the estimate for constructing a fortified post at Malapuram.

Amount of estimate, Rs. 8,248.

Reference.

Chief Engineer's memorandum, No. 485 D., dated 26th August 1887.

Report.

The present estimate provides for demolishing the rooms *e*, *f*, and rebuilding them with terraced roofing at *g*, *h* at a cost of Rs. 2,372.

The rooms *k*, *l*, *m* are already terraced, and the whole of this terraced portion, *g*, *h*, *k*, *l*, *m*, at the north end of the building will form one firing platform—804 square feet of clear space for the defenders to stand on, and 129¼ running feet of parapet to fire from.

The rooms *n*, *a*, *b* are already terraced and the whole of this terraced portion *n*, *a*, *b* at the south end of the building will form another firing platform—762 square feet of clear space for the defenders to stand on, and 135 running feet of parapet to fire from.

There will be openings made on the roof at *x*, *x* and *y*, *y* to enable the defenders to pass from *n* to *a* and from *l* to *h*.

2. The estimate also provides staircases and a gallery inside the hospital to enable the defenders to ascend the firing platforms, carry down wounded men, &c., and pass easily from one platform to the other. This will cost Rs. 1,451.

3. It provides further a breastwork 823 running feet long, loopholed for rifle fire, to hinder an enemy in approaching the building. This will cost Rs. 710.

4. Certain adjoining buildings shown in black-shading on the plan which would give cover to an enemy are to be removed. These are as follows :—

(1) The hospital kitchen.
(2) Native followers' kitchen.
(3) Do. latrine.
(4) An old latrine for Europeans.
(5) The hospital purveyor's store.
(6) The range of outhouses attached to the apothecaries' quarters. Of the buildings dismantled, the first and two last only will have to be rebuilt, and the necessary provision for the same is made in the estimate. The cost of this dismantling and rebuilding will be Rs. 3,987.

5. The Military Department has taken steps to acquire the land on the slopes of the hill which is now covered with trees and low jungle. The estimate provides for clearing the jungle at a cost of Rs. 166.

The hospital and flagstaff rock adjoining it will thus be converted into a defensive post.

It is to be specially noted, to prevent any misunderstanding, that the rooms *a*, *b* are not to be demolished, and the rooms *c*, *d* are not to be constructed; but instead, the rooms *e*, *f* are to be demolished and the rooms *g*, *h* built.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

ORDER—dated 18th November 1887, No. 3114 W., Public Works.

The estimate, amounting to Rs. 8,248, for constructing a fortified post at Malapuram, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial, Ordinary, No. 50 W. of 1887-88, and classified as Military, Original Works.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with ten enclosures.
" Examiner, Public Works Accounts, with the duplicate abstract estimate.
" Military Department.
Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of (1887) Madras.
PUBLIC WORKS.

Dated November, 18th.

Recd. Encl.

G.O., 18th Nov. 1887, No. 3114 W.

NOVEMBER.

Fortified post at Malapuram
Estimate for —, sanctioned.

3114/3

PWC No 6372

The plans & Est for constructing a fortified post at Mallapuram, are generally approved by H.E. the Commander in Chief. The alterations required by H.E. are

I The Magazine in the Hospital to be omitted, thus reducing the Est by 602 Rs

II The rooms marked e & f on the plan of the hospital to be pulled down, and ~~the rooms marked e & d~~ to be built at g & h.

I have marked on the plans in red ink, the proposed alterations in these buildings which form the flanking defence to the hospital.

The extent of the firing platforms is not anywhere stated — I assume that wherever the roof is terraced

---

Public Works Department. 3114/5

Current No. 6372
Letter No. 4953
Dated the 13th August/87
From the Secy. to Govt. Military Dept.

NOTE OF REMARKS.

1. The accompanying plans and estimate which provide for constructing a fortified post at Mallapuram have been prepared at the request of the General Officer, Commanding Western Districts & have been approved by the Commander-in-Chief.

2. The amount of estimate is Rupees 8,850, and is divided as follows:—

(a) Breast work ---- Rs 710,
(b) Alterations to Hospital --- 2,100,
(c) Hospital Staircase and Gallery — } --- 1,451,
(d) Hospital magazine ---- 602,
(e) Hospital Kitchen — -- 353,
(f) Hospital Purveyor's stores .. 1,886,
(g) Apothecary's kitchen Passage + compound wall. } .. 1,720,

Carried over Rs. 8,822.

Revised

the parapet will be raised &
loopholed –

In my opinion the project has not been as carefully prepared as is desirable, and although the officer who prepared it, would be able to carry it out, I do not think the plans, report &c are in themselves sufficiently clear –

In the letter from Q M G 2096 B of 11 Aug 1887 "in lieu of L & C" is apparently a clerical error for "in lieu of L & a"

I would suggest that the whole of the papers be sent back for careful revision, and the preparation of clearer plans, with a more detailed report –

22.8.87

6-23-8-87

3119/4

Return to S.E. for revision of Est. in accordance with H.E. the C. in C's suggestions & say that the report should be clearer & should state the position & extent of the platforms.

25/8/87

Public Works Department.

3119/5

Current No. 6372

Letter No. 4953

Dated the 13th August /87

From the Secy. to Govt. Military Dept.

No. 47/5

NOTE OF REMARKS.

1. The accompanying plans and estimate which provide for constructing a fortified post at Mallapuram have been prepared at the request of the General Officer, Commanding Western Districts & have been approved by the Commander-in-Chief.

2. The amount of estimate is Rupees 8,850, and is divided as follows:—

(a) Breast work	Rs 710,
(b) Alterations to Hospital	2,100,
(c) Hospital Staircase and Gallery	1,451,
(d) Hospital Magazine	602,
(e) Hospital Kitchen	353,
(f) Hospital Purveyor's stores	1886,
(g) Apothecary's Kitchen Passage + Compound wall.	1720,
Carried over	Rs. 8,822,

Revised

C-24-8 87

Public Works Department.

314/5

Current No. 6372

Letter No. 4953

Dated the 13th August /87

From the Secy: to Govt. Military Dept.

NOTE OF REMARKS.

1. The accompanying plans and estimate which provide for constructing a fortified post at Mallapuram have been prepared at the request of the General Officer, Commanding Western Districts & have been approved by the Commander-in-Chief.

2. The amount of estimate is Rupees 8,850, and is divided as follows:—

(a) Breast-work - - -	Rs 710,
(b) Alterations to Hospital - -	2,100,
(c) Hospital Staircase and Gallery - - -	1,457,
(d) Hospital magazine - - -	602,
(e) Hospital Kitchen — - -	353,
(f) Hospital Purveyor's stores - -	1,886,
(g) Apothecary's kitchen Passage + Compound wall. — —	1720,
Carried over	Rs 8,828,

Revised

Brought forward Rs	8,822,
(h) = dismantling Hospital Privy	.. — 15,
(i) = dismantling Native followers temporary kitchen	.. — 13,
Total Rupees	8,850.

3. The slopes of the hill on which the Barracks stand, are either planted with cocoanut and Jack trees, or are thickly overgrown with Lanthana and other low Jungle. The Military Department have taken steps to acquire the land, and the accompanying estimate provides for clearing away all low Jungle and under growth &c.

4. Other particulars regarding the construction of different works are explained in the Report accompanying the estimate.

5. The specification is submitted.

6. The Breast wall is to be built with roughstone in clay loop holed with truck complete.

7. New Bathroom & Latrine in the Hospital are to be built of laterite

---

laterite in chunam & pla
-ed with 2 coats of chuna
& white washed and roof
is to be terraced.
8. Hospital Staircase & Gallery
are to be made of teakwoo
wrought and put up with
1½" teak planking with wo
railings & painted with
wood oiling 2 coats.
9. Hospital Magazine. Foun
and superstructure includi
arch work &c. are to be buil
of laterite in chunam, plas
with ½" Co...ent & floored
with ¾" asphalte.
10. Hospital Kitchen. Foundat
Basement & superstructure
are to be built of laterite
in chunam with 2 coats
of chunam plaster inside
& chunam pointed outsid
Flooring is to be with laterit
Jelly. Roofing is to be of Missio
tiles on old rafters &c.
11. Hospital Purveyor's Stores.
Foundation, Basement & supe
-structure are to be built
of laterite in chunam
with 2 coats of chunam
plaster

plaster inside & chunam pointed outside. Flooring is to be with 3/4" asphalte. Roofing of the main building is to be of Mission tiles on ceiling planks. As for Verandah, roofing is to be of Mission tiles without ceiling planks.

12. Apothecary's Kitchen, Passage and Compound wall.

Foundation, basement & super-structure of Apothecary's Kitchen are to be built of laterite in chunam, plastered inside & outside with 2 coats of chunam. Roofing is to be of pantiles & helpers. Flooring is to be with laterite jelly in clay.
Passage is to be of Erool or Karrumaruddu wooden uprights and bressummers & roofed with thatch.
Compound wall to a length of 227 ft. is to be built of laterite in chunam to a thickness of 1 foot and to the height of 14 ft. including foundation.

13. The rates are fair.

14. Contingencies & superintendence are separately charged at 5 per cent.

15. The plans and estimate have been countersigned by the Military authorities & approved in the Military Department.

JH
19.8.87.

1887.

P. W. DEPARTMENT.

Current No. 6372 3

From

The Military Dept.

ENCLOS.—9
+ 3 plans

No. 4953
Dated 13th Aug 87.
Received 13th — do —
again 26-8-87

SUBJECT.

Fortified Post at Malliapuram

Transferring Plans and estimates for constructing a ——.

DISPOSAL.

No. 485 D. Dated 26th Augt 1887.

Forwarded to the S.E. IV Circle, for revision of the estimate in accordance with H.E. the Commander-in-Chief's suggestions.

The report should be clear and should state the position and extent of the platform

(Sd)

Col.
Secy to Govt.

M

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
11th August 1887.

2096 B

3114/9

NCE,
QUARTER MASTER GENERAL,

ERNMENT,
MILITARY DEPARTMENT.

for sanction and transfer to
Department for disposal
re marginally noted,
3850 for constructing a
Malliapuram, I have
, to state that, while the
hief approves the estimate
llency considers the provision of
Hospital unnecessary
llency accepts the proposal
rintending Engineer 4th Circle
un

3114/8

Form No. 20 A./7 B.

M

QUARTER MASTER GENERAL'S OFFICE,
Ootacamund,
11th August 1887

Defensive Post
Malliapuram

No. 2096 B

3114/9

From

BRIGADIER-GENERAL E. FAUNCE,
~~Officiating~~ QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

1. Estimate
1 Report
1. Specification
1. Abstract in duplicate
2 Plans
and copy of letter No. 229/M dated 9th July 1887 from Supdg Engineer IV Circle

SIR,

In forwarding for sanction and transfer to the Public Work Department for disposal the estimate, plan &c marginally noted, amounting to Rs. 8850 for constructing a fortified post at Malliapuram, I have the honor, by order, to state that, while the Commander-in-Chief approves the estimate generally, His Excellency considers the provision of a Magazine in the Hospital unnecessary.

2 His Excellency accepts the proposal made by the Superintending Engineer 4th Circle

in

in para 3 of his letter No. $\frac{229}{M}$ dated 2nd July 1887 regarding the demolition of rooms E and F in lieu of B. and C.

3. The plan and estimate have been countersigned

I have the honor to be
Sir
Your obedient Servant
Brigadier General
Quarter Master General

6 Spare copies of D.O. from these letters are enclosed

3114/10

Public Works Dep
Government
No. 485 D. dated 26 August 1887.

Forwarded to the Supdg Engr IV Circle, for revision of the estimate in accordance with H.E. the Commr in Chief's suggestions.

The report should be clearer, and should note ~~the~~ position and extent of the platform.

J. Forrester Colonel R.E.
Secy to Govt P.W.D.

P.W.C. No. 4379

Military (1887) Department.

No. 554 8884

From

THE OFFG. QUARTER MASTER GENERAL,

To

THE SECRETARY TO GOVERNMENT,
MILITARY DEPARTMENT.

SUPG: ENGINEER'S OFFICE
No. 748 W
27 AUG. 87
P.W.D.
FOURTH CIRCLE

No. 2096 B.

Dated 11 } August
Received 13 }

Recd in P.W.D. 13-8-87
19/8/87

ENCLOSURES. 8 9 (+3 plans)

Forwards for sanction and transfer to the P.W. Depts Plans and estimate for constructing a fortified Post at Malliapooram —

p 2

Military Department.
Ootacamund
13th August '87.

No. 4953. Approved and transferred to the Public Works Department, for disposal.

By order

A Kenney Herbert
Brig. Genl
Secretary to Government

No 485 D d/26 Augt 1887 p 3

Forwarded to the S.E. IV circle, for revision of the estimate in accordance with H.E. the C-in-C's suggestions.

The report should be clearer & should state the position & extent of the platform

(Sd) J. O. Hasted Col. R.E.
Secy. to Govt. P.W.D.

[illegible] 35 [illegible] 31-8-87

resubmitted 23-8-87

[illegible] 16-11-87 R. 18-11-87

---

p 4

No. 446 / M.W.

Superintending Engineer's Office 4th Circle
Coimbatore November 1887

3114/11

From

Colonel J. Beatty R.E.
Superintending Engineer
4th Circle

To

The Chief Engineer
P.W. Department

Enclosures 12.
1. Original Report
1. do. Specification
1 Revised report
1 Original abstract in duplicate.
1 Revised abstract in duplicate
1 Detailed estimate
3 Plans.
1 Chief Engineer's Endt on Q.r Mr Gl's No 2096 of 11-8-87

Sir,

With reference to your endorsement, No. 485 D of 26th August 1887, on the order of the Military Department, No. 4953 of 13th idem, I have the honor to return you the plans and estimate for converting the Hospital and Flag staff hill at Malapuram into a Fortified Post, corrected.

2. The provision for a Magazine, Rs 602, has been struck out of the estimate; which reduces the total cost from Rs 8,850 to Rs 8248.

3. And I have furnished a Revised

Revised report to accompany the estimate; with a view to making the proposals clearer. The revised report explains the position and extent of the firing platforms.

4. As the original general abstract contains many corrections, I send, a revised fair copy of it, in duplicate; together with the original one bearing the signatures of the Military authorities.

I have the honor to be
Sir
Your most obedt. Servant

J. Beatty Colonel R.E.
Superintending Engineer
4th Circle.

Revised report to accompany the estimate for constructing a fortified post at Malapuram.

8114/12

Amount of estimate, Rs. 8248.

— Reference —

Chief Engineers Memo No. 485 D dated 26th August 1887.

Report

I The present estimate provides for demolishing the rooms e. f., and rebuilding them with terraced roofing at g. h.; at a cost of Rs 2,372.

The rooms k. l. m. are already terraced and the whole of this terraced portion, g. h. k. l. m., at the north end of the building, will form one firing platform; 804 Square feet of clear space for the defenders to stand on, and 129½ R feet of parapet to fire from.

The rooms n, a, b, are already terrace and the whole of this terraced portion n, a, b, at the south end of the building will

will form another firing platform, 762 square feet of clear space for the defenders to stand on, and 135 R feet of parapet to fire from.

There will be openings made on the roof at x, x, & y, y. to enable the defenders to pass from n to a, and from l. to h

II The estimate also provides staircases, and a gallery, inside the hospital, to enable the defenders to ascend the firing platforms, carry down wounded men &c. and pass easily from one platform to the other. This will cost Rs. 1451.

III. It provides further a breast work 823 R feet long, loop holed for rifle fire, to hinder an enemy in approaching the building. This will cost Rs: 710.

IV Certain adjoining buildings shown in black shading on the plan which would give cover to an enemy are to be removed. These are as follows:-

(1) The Hospital Kitchen

(2) Native Followers kitchen

(3) ——— Do. — Latrine

(4)

(4) An old Latrine for Europeans,

(5) The hospital Purveyor's store,

(6) The range of out-houses attached to the Apothecaries quarters. Of the buildings dismantled the first and two last only will have to be rebuilt and the necessary provision for the same is made in the estimate. The cost of this dismantling and rebuilding will be Rs. 3987.

V The military Department has taken steps to acquire the land on the slopes of the hill which is now covered with trees and low jungle. The estimate provides for clearing the jungle at a cost of Rs. 166.

The Hospital and Flag staff Rock adjoining it will thus be converted into a Defensive Post.

It is to be specially noted, to prevent any misunderstanding, that the rooms a, b. are not to be demolished, and the rooms c, d are not to be constructed; but instead, the rooms e, f, are to be demolished, and the rooms g. h, built.

JR

J. Beatty. Colonel R.E.
Supg: Engineer 4th Circle

Smith

Enclosure No-3 of a ltr
No: 44/3rd of 3d November /87
from the Supg. Engineer
4th circle.

Revised Report to
accompany the Esti:
mate for Constructing
a fortified Post at
Malapuram.

3114/14

From
Colonel J. Beatty R.E.
Supg. Engineer, 4th Circle.

Dated 3rd November 1887.

No. 396/M 4461 W

Enclo: 12 (Six sets) No. A (+3 plans)

Fortified Post at Malapuram

With reference to Chief Engineer's endorsement No. 485 D of 26th August 1887, returns the plans estimates &c. corrected.

Recd 16-11-87

3114 W

Public Works Department.

Current No. 8884
Letter No. 446 E.W.
Dated the 3rd November 1887
From the

The Est may now be sanctd for Rs 8248 - 11.11.87

NOTE OF REMARKS.

The accompanying plans and estimates have been revised in accordance with the Chief Engineer's Endorsement No 485 D of 26th August 87 and the est with remarks are plac-

There are to be two firing platforms one at the north extending over rooms g, h, k, l, m, having a superficial area of 804 sq. ft. and the other at the south end extending over rooms a, a b. having a superficial area of 762 sq. feet. The north platform will have a parapet of 129½ running feet in length & the south platform a parapet of 135 R. ft.-

Openings are provided on the roof at x. x, & y. y as passages from a to a and b, to b

A Staircase & gallery are provided inside the hospital to carry down the wounded

The Estimate also provides for a breastwork 823 ft long loopholed for rifle fire.

The estimate also provide for the removal of certain adjoining buildings which are likely to afford shelter to the enemy, these are ~~these~~

e 16-11-87

3114/16

1 The hospital kitchen
2 Native followers kitchen
3 — do — latrine
4 An old latrine for Europeans
5 The hospital Purveyor Store
6 The range of out offices attached to the Apothecaries quarters.

Of the buildings to be dismantled the first and two last will have to be rebuilt- for which provision is made in the Estimate which also provides Rs 165 for clearing jungle.

The land is to be acquired by the military deptt.

The Hospital and Flagstaff Rock at Mulapuram are thus to be converted into a fortified post

10/11/87

No. 3114 W

3114/17 B & R Mily Works

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 18th Novr 1887

READ the following

From the Quarter Master General. H. E. No: 2096 B d/ 11th August 1887

Endorsement by the Military Department. H. E. No: 4953 d/ 13th August 1887

do in the P. W. Dept No 485 B d/ 26. 8. 87

From the Suptg. Engineer IV Circle. H. E. No: 446 E. W. d/ 3rd November 1887

8

The estimate amounting to Rs. 8,248, for constructing a fortified post at Malapuram, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial Ordinary No: 50 W of 1887-88, and classified as Military Original Works.

14. 11. 87

P.H. 17 nov

29/11

14/11/87

To

The Suptg. Engr IV Circle with 19 encls.

" Examiner of P. W. Accts with the duplicate abstract estimate

" Military Department.

17/11

16-11-87

3114/18

circ 16-11-87 R.18-11-87

circ 16-11-87

8884

Govt. of [1887] Madras.

PUBLIC WORKS.

19/11/87

Dated

Recd. Encl.

G.O., 18 Nov 1887, No. 3114 W

Fortified post at
=
Malapuram
=
Est for —, sanctioned

80/6

19/11 [illegible] 19/11