Public Works (1897) Department.

G.O., No. 754-5 W

DATED 15th March 1897.

[Despatch Abstract.]

Police Lines at Malappuram, Coimbatore and
Masulipatam: Sanctioning, subject to the approval
of the Govt. of India to the provision made for the construct
of certain Quarters, estimates for the construct
of —.

Quarters: Requesting sanction to the provision
made for the construction of — for an Inspector
of Police and four European Head Constables at Malap-
puram, for a European Head Constable at Coimbatore
and ~~da~~ for an Inspector of Police at Masulipatam.

7.C
16-3-97

Indexed. 16/3/97

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G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

Letter, No. 755 W., 15th March 1897.

MARCH.

Quarters

Requesting sanction to the provision made for the construction of — for an Inspector of Police and four European head constables at Malappuram, for a European head constable at Coimbatore and for an Inspector of Police at Masulipatam.

Public works (1897) department.

No 754-W d/15-3-97
291 C d/17-2-97
4639 C d/7-12-96
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Current No: 3766

Recd: 13. 4. 97

No. 482 of 29th April 1897
Furnished.
Return requested.

C. D. McArthur
Under Secy to Govt.
P.W.D.

Received back

Kindly have this checked before putting into the records

C to note

Recd 29-4-97

HC.
5-4-97

O.L.S. 25

To HC
O.C.S.

Subt. Record Section
P. W. Secretariat

No. 755 W., 15th March 1897.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Letter—from

The Hon'ble Colonel D. McNEIL CAMPBELL, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

The SECRETARY to the GOVERNMENT of INDIA,
Public Works Department.

Sir,

I am directed to report that in certain estimates sanctioned by this Government for the construction of lines for the Police at Malappuram, Coimbatore and Masulipatam, the following items appear :—

	RS.
(1) Quarters for an Inspector of Police at Malappuram	3,110
(2) Quarters for four European head constables at Malappuram ...	8,780
(3) Quarters for a European head constable at Coimbatore ...	1,282
(4) Quarters for an Inspector of Police at Masulipatam	2,030

2. In all these cases, the proposed expenditure exceeds the limit prescribed in rule (1), paragraph 17, chapter X, Volume I, Public Works Code, and the sanction of the Government of India is required under rule (3).

3. With reference to the first item, the estimate originally submitted for the Inspector's quarters at Malappuram amounted to Rs. 5,360, but as this was considered too expensive, a fresh plan and estimate, based on the design sanctioned by the Government of India in your letter No. 458 B., dated 4th November 1895, for the Inspector at Párvatípuram, was drawn up. This estimate, at local rates, amounts to Rs. 3,110, the rent on which figure, according to Code rules, is about Rs. 21 per mensem, while 8 per cent. of the average pay of Inspectors of Police is Rs. 10·80 per mensem. It is not possible, however, to construct a suitable building for the residence of a European official at a less cost in the locality in question.

4. Quarters for four European head constables at Malappuram are estimated to cost Rs. 8,780, averaging Rs. 2,195 per quarter. The rental on this latter amount is about Rs. 15½ per mensem, while 8 per cent. of the average pay of European head constables is Rs. 3·2 per mensem. The scale of quarters provided in the plan is very moderate, and no reduction in the cost has been found possible. It is obviously impracticable to design habitable quarters for European head constables at an outlay representing Rs. 3·2 capitalized on the basis of rule (1), paragraph 17 of the Code chapter above quoted.

5. At Coimbatore it is proposed to convert the abandoned warder's lines of the Jail into lines for the Police, and one of the blocks is to be converted into quarters for a European head constable at an outlay of Rs. 1,282. The present value of the block is reported to be Rs. 200, so that the total value of the quarters for purposes of rent will be Rs. 1,482. The rent on this figure is about Rs. 9·8 per mensem, against the limit of Rs. 3·2.

6. At Masulipatam, also, it is proposed to convert some old Jail buildings into Police lines, and one building, the book value of which is Rs. 2,532, is to be improved at a cost of Rs. 2,030 to adapt it for the Inspector's quarters. The total value of the residence will thus be Rs. 4,562, the rent on which works out to Rs. 29 per mensem, against the permissible limit of Rs. 10·80.

7. I am to request the sanction of the Government of India to the four items above mentioned.

8. I am at the same time directed to inquire, with reference to rule (ii), paragraph 15, chapter X, Volume I, Public Works Code, whether, when quarters for Police Inspectors and European head constables form part of a general scheme for the provision of Police lines, it is necessary to apply for the sanction of the Government of India to items representing the cost of such quarters, when the estimated outlay is in excess of the limit prescribed by rule (1) of paragraph 17. This Government would be at liberty to provide the quarters free of rent under rule III (*d*) of paragraph 28, but it is intended, in the cases now reported, to levy rent from the officials, based on a percentage of their salary. The Examiner, Public Works Accounts, is therefore of opinion that the cases fall under the rules in paragraph 17 which govern the provision of residences for Government officials.

I have the honour to be,
Sir,
Your most obedient servant,

Colonel, R.E.,
Secretary to Government.

Fort St. George,
15th March 1897.

Exd. T. K. Narayana Aiyangar.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } *Spare copies*

G.O., No. 754 W., 15th March 1897.

MARCH.

Police Lines at Malappuram, Coimbatore and Masulipatam

Sanctioning, subject to the approval of the Government of India to the provision made for the construction of certain quarters, estimates for the construction of —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., No. 981, Judicial, dated 8th June 1896.

Read—again the following papers :—

G.O., No. 95, dated 16th January 1895.

G.O., „ 242, „ 7th February 1896.

Read—also the following letter from the Inspector-General of Police, Madras, dated 18th May 1896, No. 2022 :—

I have the honour to resubmit the plans and estimates returned with G.O., No. 242, Judicial, dated 7th February 1896.

2. The original estimate for Rs. 45,000 for the construction of permanent quarters for the police force at Malappuram has now been reduced to Rs. 38,050 by (1) omitting the compound wall entirely and (2) substituting laterite in clay for laterite in mortar for constables' and head constables' huts and out-houses for the Inspector.

3. The Executive Engineer reports that mud walls are not suitable on the west coast owing to heavy rainfall and that no other reductions appear feasible.

4. I have considered whether it is advisable to undertake the construction of these works departmentally and have come to the conclusion that it is impossible for us to do it. It is difficult to get competent contractors or overseers on the west coast, and supposing our own men are put on the work, they could only be employed on the portion of the work requiring no technical skill. All the wood work, roofing, stone cutting and actual building would have to be done by skilled labour. Moreover, the situation of the special force is such that at any moment the whole body of men or a large portion of them may be called away for weeks together. They have, for instance, all of them just been out for over two months. Under these circumstances, I am afraid any attempt on our part to carry out this large work departmentally will end in failure and prove ruinously extravagant.

5. The estimate is, no doubt, a large sum, but it provides for housing 5 Europeans and 81 natives.

6. The present buildings are in such a bad state, eaten through and through by white ants and pervious to every fall of rain, that new buildings are urgently required.

Order—No. 981, Judicial, dated 8th June 1896.

In the circumstances stated, the work in question will be executed by the Agency of the Public Works Department.

2. The Government considers the estimates to be still too high. The Chief Engineer will be requested, in the Public Works Department, to state whether the cost of the work is not susceptible of further reduction.

(True Extract.)

(Signed) W. FRANCIS,
for Chief Secretary.

From the Superintending Engineer, I Circle, No. 303-V.Z. dated 24th July 1896.

G.O., No. 1020, Judicial, dated 17th June 1896.

Read—the following letter from the Inspector-General of Police, Madras, dated 27th May 1896, No. 2110 :—

I have the honour to submit, for the sanction of Government, estimates amounting to Rs. 7,920 for putting into order the old jail lines at Coimbatore and converting them into houses for reserve inspector, European head constable and fifty-four constables. The sanction for the preparation of estimates was given in G.O., No. 1816, Judicial, dated 30th August 1895.

2. The original rough estimate was Rs. 3,000 based on a report from the Superintendent of Police, who said that the Executive Engineer in 1890 had estimated the necessary repairs at Rs. 2,100, and he considered that as the lines had since then fallen into further disrepair, Rs. 3,000 or more would be required to put them in order.

3. The estimate consists of the following items, viz. :—

RS.	
1,079	for inspector's house.
1,282	„ European head constable's house.
3,510	„ constables' huts.
477	„ dismantling, levelling and constructing a wall.
200	„ digging a well.
1,000	„ latrine.
7,548	
372	„ contingencies and supervision.
7,920	

4. The only items in the estimate which seem open to reduction are those for the construction of a wall and the item for a latrine. A latrine is necessary, and the Superintending Engineer considers that, in the long run, the latrine suggested is the most economical. A wall round the huts and houses should, I think, be constructed. The site is in the town, and it will be an advantage to have the whole of the buildings in one enclosed compound.

Order— No. 1020, Judicial, dated 17th June 1896.

The plans and estimates are approved and will be transferred to the Public Works Department.

(True Extract.)

(Signed) W. FRANCIS,
for Chief Secretary.

From A. A. G. MALET, Esq., Executive Engineer, Coimbatore Division, to the Superintending Engineer, IV Circle, dated 22nd September 1896, No. 3111.

With reference to your No. 438 C.I., dated 11th August 1896, I have the honour to give herewith the valuation noted in the margin of each of the portions of the existing old jail lines at Coimbatore which is proposed to be converted into police lines.

No.	Description of building.	Approximate value.
		RS.
1	European chief warder's quarters	400
1	Do. cook-house	50
1	Do. latrine	50
4	Head constables' quarters at Rs. 200 each	800
1	Armoury	150
26	Constables' double block huts at Rs. 150	3,900
2	Constables' single block huts at Rs. 75 each	150
	Total ..	5,500

No. 466 W.

Copy submitted to the Chief Engineer, Public Works Department, for information, with reference to his memorandum No. 3024 C., dated 8th August 1896.

26th September 1896.

(Signed) J. HANNAN,
Superintending Engineer, IV Circle.

From the Examiner, Public Works Accounts, dated 30th October 1896, No. 785-C.
Endorsement from the Judicial Department, dated 5th January 1897, No. 7.

G.O., No. 1708, Judicial, dated 29th October 1896.

Read—the following letter from the Inspector-General of Police, No. 3909, dated 9th October 1896 :—

With reference to G.O., R. No. 1580, Judicial, dated 16th September 1896, I have the honour to say that I have delayed submitting the plans and estimates for new police lines at Masulipatam as I hardly know what course to advise on the matter.

2. In G.O., No. 2509, Judicial, dated 17th October 1894, the transfer of the buildings, formerly the old jail at Masulipatam, to the police was sanctioned. They were to be converted into—

(*a*) House for European Town Inspector,
(*b*) ,, ,, two European Head Constables,
(*c*) ,, ,, two Native Head Constables,
(*d*) ,, ,, twenty-six constables.

In June 1895, I submitted to Government plans and estimates for Rs. 5,900 for the work and expressed an opinion that I agreed with Colonel Porteous that brick and mortar should be used instead of brick in mud. I asked that the plan should be sent to the Public Works Department for revision. The Government approved of the proposal (G.O., No. 1396, Judicial, dated 3rd July 1895).

3. The Superintending Engineer now submits plans and estimates as follows :—

	RS.
(*a*) Conversion of the old hospital into Inspector's quarters	1,910
(*b*) Conversion of cook-room into two European Head Constables' quarters	1,800
(*c*) Conversion of the condemned cells into two Native Head Constables' huts and two constables' huts	640
(*d*) Dismantling old office-room	50
Total ...	4,400
(*e*) Converting sub-jail into 24 huts	
	7,700

The Engineer also submits an alternative plan to the last item (*e*), in which he suggests the dismantling of the whole sub-jail building and the building of new huts for Rs. 11,200.

4. The Superintendent considered that the conversion of the old sub-jail into lines for constables would not be a good arrangement as the wall surrounding the place would make the place unhealthy. I do not agree with him. If the wall is lowered as is proposed, there is no reason to suppose the lines will be unhealthy. He has also pointed out that quarters for two European Head Constables are not required, as there is only one European Head Constable in the station. On this matter I am not quite sure what had better be done. Mr. Hasted suggests that the old store-room might be converted into quarters for one European Head Constable and in that case the old cook-room might, if necessary, be converted into quarters for five constables. I am not quite sure if more quarters for constables are required at present, but I will find out from the Superintendent. If the Engineer thinks that the old store-room can profitably be converted into quarters for the European Head Constable, it would be the best plan to do that.

5. The question, however, is whether the whole work is not unnecessarily costly. The second estimate for Rs. 11,200 must be put out of consideration altogether as it means that each hut will cost Rs. 464.

The first estimate for Rs. 7,700 or Rs. 320 per hut does not provide for building up the gables of the partition walls between each hut, but this must be done. I don't understand how it was omitted in the original police estimate. Obviously one hut must be completely partitioned off from the next or the men will object to living in them. A saving may be made by building the *outer* compound walls of each hut of stone in mud instead of stone in chunam and looking to the expense of the work probably Government will be of opinion that that should be done. The climate of Masulipatam is peculiar, and as the houses there show the air has a very destructive effect on buildings, I should prefer myself to see the buildings completely executed with stone in chunam. However, if this is considered too extravagant, stone in mud may be used.

6. My proposals then are that the plans should be altered (*a*) by converting the old store-room into quarters for the European Head Constable; (*b*) converting, if necessary, the cook room into quarters for five constables; (*c*) altering the plan of the sub-jail building by (1) using stone in mud for all the compound walls of the huts, and (2) putting in full partition walls up to the roof in each hut and not leaving the spaces between the walls and the gables vacant. If Government assent to this course, the plans for the items (*a*), (*c*) and (*d*) in paragraph 3 of this letter might be passed and the work ordered to be done this year and the Department of Public Works asked to revise the estimate and plan (*e*) in the way I have suggested. I think the old office-room might be dismantled; it is not in good order and not likely to be required for use.

Order—No. 1708, Judicial, dated 29th October 1896.

The plans and estimates for—

	RS.
(*a*) Converting the old hospital into Inspector's quarters	1,910
(*b*) Converting the condemned cells into two Native Head Constables' huts	640
(*c*) Dismantling the old office room	50
Total ...	2,600

are approved and will be transferred to the Public Works Department.

2. The Inspector-General will be requested to report whether more than twenty-six constables' huts are required, and whether it is therefore necessary to convert the cook-room into quarters for five constables, and place the European Head Constable in the store-room. This latter building has not been shown in the plans submitted.

3. The Inspector-General should request the Public Works Department to revise the estimate of Rs. 7,700 for the twenty-four Constables' huts by providing for building up the gables of the partition walls between each hut. Taking into consideration the effect of the Masulipatam climate upon masonry, the Government agrees with the Inspector-General that the whole of the building should be done in stone and chunam.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

Endorsement from the Judicial Department, No. 130, dated 9th January 1897.
Telegram from the Superintending Engineer, II Circle, dated 1st February 1897.

Note by the Chief Engineer, Public Works Department.

These papers relate to estimates for police lines at—

	RS.
Malappuram	38,050
Coimbatore	7,920
Masulipatam	2,600

2. The original estimate for the proposed lines at Malappuram amounted to Rs. 45,000, which amount was subsequently reduced to Rs. 38,050. In G.O., No. 981, Judicial, dated 8th June 1896, this sum was considered still too high, and the Chief Engineer was requested to state whether the cost of the work was susceptible of further reduction. An examination of the plans and estimates showed that a saving of about Rs. 800 could be effected by the use of inferior materials in the Inspector's and head constables' quarters, but this course the Chief Engineer was unable to approve. The cost of the remaining buildings was found to be not susceptible of reduction, except, perhaps, in the cost of foundations, which point is alluded to further on. A fresh plan and estimate for the Inspector's quarters, based on the design for the Inspector's quarters at Párvatípuram, sanctioned in G.O., No. 2887 W., dated 14th November 1895, has been drawn up in the Chief Engineer's office. This estimate, at local rates, amounts to Rupees 3,110,* against a sum of Rs 5,360 provided for the purpose in the estimate submitted by the Inspector-General of Police, showing a saving of Rs. 2,260. The cost is still beyond the limit prescribed by rule (1), paragraph 17, chapter X, volume I, Public Works Code, and the sanction of the Government of India to the item is required.

	RS.
* Estimate for main building based on the Párvatípuram design ...	2,320
Out-houses adhering to the Superintending Engineer's design ...	790
Total ...	3,110

3. As regards quarters for European head constables, two blocks with out-houses have been designed to accommodate four European head constables, at a cost of Rs. 8,780, averaging Rs. 2,195 per quarter. The rental on this latter amount, in accordance with Code rules, is about Rs. 15–8–0 per mensem, while 8 per cent. of the average pay of European head constables is Rs. 3–2–0 per mensem. This item also requires the sanction of the Government of India. It does not seem possible to allow less space than that provided in the plan, and the only reduction that seems feasible is in the foundations.

4. The foundations provided in the plan for the Inspector's quarters, prepared in the Chief Engineer's office, are based on those allowed in the Párvatípuram design, but this point requires further consideration by the Superintending Engineer. The surface soil at site at Malappuram is stated to be hard gravel, and the sub-soil hard laterite rock, and it does not seem necessary to have foundations 2 feet 6 inches deep, with concrete two feet broader than the superincumbent masonry. Three-fourths of the depth and width provided would probably suffice for the concrete, but the saving would be only about Rs. 100. It is not possible to say how much may be saved in the foundations of the European head constables' quarters, the depth of the surface soil not being stated. But as the sub-soil is rock, it is not clear why the foundation trench cannot be excavated to rock level and building commenced there. All that can be said with the scanty information available is that the foundations for all the works comprised in the estimate of Rs. 38,050 are unnecessarily massive for constructions on rock; but as the rock surface level is not shown, it may not be intended to take the foundations below the gravel. This matter should receive the Superintending Engineer's attention, and any possible savings should be reported.

5. Substituting the Chief Engineer's plan and estimate of Rs. 3,110 for Inspector's quarters for the plan costing Rs. 5,360 in the Superintending Engineer's estimate, the total estimate for the Police lines is reduced from Rs. 38,050 to

Rs. 35,800, and this sum is recommended for sanction, subject to any further reduction which may be found possible in the item foundations, and subject to the approval of the Government of India to the amount provided for the Inspector's and European head constables' quarters.

6. The estimate of Rs. 7,920 for the proposed buildings at Coimbatore provides for the conversion of the old Jail lines into Police lines. Provision is made for converting the European warder's quarters into quarters for an Inspector of Police at a cost of Rs. 1,079. The value of the existing building is reported to be Rs. 500, making a total of Rs. 1,579. The rent on this figure works out to Rs. 10·25 per mensem, while 8 per cent. of the average pay of Inspectors is Rs. 10·80, so that the proposed expenditure is within the Code limit.

7. Provision is also made for improving a building to adapt it for quarters for a European head constable, at a cost of Rs. 1,282. The cost of the existing building is Rs. 200, making a total of Rs. 1,482, the rent on which is Rs. 9·8 per mensem. Eight per cent. of the average pay of European head constables being Rs. 3·2 per mensem, the estimate is beyond the Code limit, and requires the sanction of the Government of India.

8. The estimate of Rs. 7,920 provides for 1,310 cubic feet of rough stone in mud at Rs. 10 per 100 cubic feet, amounting to Rs. 131. As a considerable portion of this is for foundations, it would be well to substitute rough stone in chunam, at Rs. 13 per 100 cubic feet, which would cost only Rs 170, the difference being under Rs. 40. With this modification, the estimate of Rs. 7,920 is recommended for sanction, subject to the approval of the Government of India to the cost of the European head constables' quarters.

9. The estimate for the lines at Masulipatam comprises the following items:—

	RS.
Converting old Jail hospital into quarters for an Inspector, with out-houses	1,910
Converting condemned cells into huts for two Native head constables and two constables	640
Dismantling old office room	50
Total ...	2,600

10. In the estimate for the Inspector's quarters, no provision has been made for foundations under the steps, for inserting six new doors in the existing walls, and for flooring for the new front verandah and verandah rooms. The verandah bressummers should have a section of 6″ × 8″ according to standard specifications, and the rafters should have a section of 3″ × 5″. The estimate has been corrected accordingly in the Chief Engineer's office, with the result that it has been increased to Rs. 2,030. The book value of the existing building is reported to be Rs. 2,532, making a total of Rs. 4,562. The rent on this figure according to Code rules is Rs. 29 per mensem, and 8 per cent. of the average pay of Inspectors being Rs. 10·80 per mensem, the estimate requires the sanction of the Government of India.

11. In the estimate for converting the condemned cells into constables' huts, a rate of Rs. 2–8–0 per square has been entered for "rough stone pointing with chunam," against the schedule rate of Rs. 1–7–0. As no explanation has been given for the increase, the rate has been corrected, and the estimate has been reduced to Rs. 620. The total estimate for the work thus stands at Rs. 2,700, and this amount is recommended for sanction, subject to the approval of the Government of India to the expenditure on the Inspector's quarters.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

1st March 1897.

Order—No. 754 W., dated 15th March 1897.

The undermentioned estimates are sanctioned, subject to the approval of the Government of India to the provision made for the construction of quarters for an Inspector and four European head constables at Malappuram, for a European head constable at Coimbatore, and for an Inspector at Masulipatam:—

Provincial—Civil Buildings—Original Works.

		RS.	
Police lines at Malappuram	...	35,800	(Register No. 161 W. of 1896–97).
" at Coimbatore	...	7,920	(" " 162 ").
" at Masulipatam	...	2,700	(" " 163 ").

2. No funds for these works are available at present.

3. The attention of the officers concerned is drawn to the Chief Engineer's note above recorded.

[Here enter No. 755 W., dated 15th March 1897.]

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, IV Circle, with plans and estimates for lines at Malappuram and Coimbatore.
" Superintending Engineer, II Circle, with plans and estimates for lines at Masulipatam.
" Examiner, Public Works Accounts.
" Judicial Department.

Exd. T. K. Narayana Aiyangar.

1.

B.G. Police lines at Malappuram, Coimbatore & Masulipatam

P.W. DEPARTMENT.

A/ No 754 W of 15-3-97

PROCEEDINGS OF THE MADRAS GOVERNMENT.

B & B Civil Works

READ the following

Print/ Pros. Judl. Dept. No 981 dated 8th June 1896.
2 S.P. Print/ Letter from the S.E. I Circle No 303 C.Z.-5 of 24 July 1896.
Print/ Pros. Judl. Dept. No 1020 dated 17 June 1896.
Print/ Letter from the S.E. IV Circle No 466 W of 26 Sept. 1896
5 S.P. Print/ Exr. P.W. Accts No 785-C of 30 Oct. 1896.
6 S.P. Print/ Endt. from the Judl. Dept. No 7 dated 5 Jany 1897.
Print/ Pros. Judl. Dept. No 1708 of 29 Oct. 1896.
10 S.P. Print/ Endt. from the Judl. Dept. No 130 of 19 Jany 1897.
11 S.P. Print/ Telegram from the S.E. II Circle dated 18th Feby 1897
Print/ Note by the Chief Engr. P.W.D. of 1-3-97

15 P

A.S.K.
10.3.97

The Hon. the Chief Secy. for favour of commn. orders.—

The undermentioned estimates are sanctioned subject to the approval of the Govt. of India to the provision made fo the construction of quar for an Inspector and fo European Head Constabl at Malappuram, for a European Head Consta at Coimbatore, and for an Inspector at

[P. W. 40.
1,000—16-1-97.]

Masulipatam.—

Provincial - Civil Buildings - Original Works

Police lines at Malappuram - Rs 35,800 - Register No 161 of 1896-97

— do — Coimbatore — 7,920 — do — 162 — do —

— do — Masulipatam — 2,700 — do — 163 — do —

2. No funds are for these works are available at present.

3. The attention of the officers concerned is drawn to the Chief Engineer's note above recorded. 5.3.97

H.S. No 755 W of 15.3.97

To the Secy to the G. of I. P.W.D.

Sir,

I am directed to report that in certain estimates sanctioned by this Government for the construction of lines for the Police at Malappuram, Coimbatore and Masulipatam, the following items appear:—

Quarters for an Inspr of Police at Malappuram - Rs 3110 -

Quarters for four Europn Head Constables at ditto - Rs 8780

Quarters for a European Head Constable at Coimbatore - Rs 1252.

T.A.
B.P.H. [illegible]

Fd 6.3.97

S.E. IV circle (with plan & estimate for lines at Malappuram) (for Coimbatore)
S.E. II circle, with plan & estimate for lines at Masulipatam (8)
Exr P.W. Accts
Judl Dept

A.14
10.3.97

3/7

16P

(4) Quarters for an Inspr of Police at Masulipatam — Rs 2030 —

2. In all these cases, the proposed expenditure exceeds the limit prescribed in Rule (1) para 17, Chapter X Vol I P.W. Code, and the sanction of the Govt. of India is required under Rule (3).

3. With reference to the first item, the estimate originally submitted for the Inspr's quarters at Malappuram amounted to Rs 5,360, but as this was considered too expensive, a fresh plan & estimate, based on the design sanctioned by the Govt. of India in your letter No 458 B of 4 Novr 1895, for the Inspr's at Parvatipuram was drawn up. This estimate, at local rates

amounts to Rs 3110, the rent on which figure, according to Code rules, is about Rs 21 per mensem, while 8 per cent of the average pay of Inspectors of Police is Rs 10.80 per mensem. It is not possible however to construct a suitable building for the residence of a European official at a less cost in the locality in question.

4. Quarters for four European Head Constables at Malappuram are estimated to cost Rs 8780, averaging Rs 2195 per quarter. The rental on this latter amount is about Rs 15½ per mensem, while 8 per cent of the average pay of European Head Constables is Rs 3.2 per mensem. The scale of quarters

provided in the plan is very moderate, and no reduction in the cost has been found possible. It is obviously impracticable to design habitable quarters for European Head Constables at an outlay representing Rs 3.2 capitalised on the basis of Rule (1) para 17 of the Code chapter above quoted.

5. At Coimbatore it is proposed to convert the abandoned warders lines of the jail into lines for the Police, and one of the blocks is to be converted into quarters for a European Head Constable at an outlay of Rs 1282. The present value of the block is reported to be Rs 200, so that the total value

of the quarters for purposes of rent will be Rs 1482 - The rent ~~of~~ on this figure is about Rs 9.8 per mensem, against the limit of Rs: 3.2

6. At Masulipatam also it is proposed to convert some old jail buildings into Police lines, and one building, the book value of which is Rs 2532, is to be improved at a cost of Rs 2030 to adapt it for the Inspr's quarters. The total value of the residence will thus be Rs 4562, the rent on which works out to Rs 29 per mensem, against the permissible limit of Rs 10.80 -

7. I am to request

the sanction of the Govt. of India to the four items above mentioned -

8. I am at the same time directed to enquire, with reference to Rule (ii) para 15, ch. X vol I P.W. Code, whether when quarters for Police Inspectors and European Head Constables form part of a general scheme for the provision of Police lines, it is necessary to apply for the sanction of the Govt. of India to items representing the cost of such quarters, when the estimated outlay is in excess of the limit prescribed by Rule (i) of para 17 - This Govt. would be at liberty to provide the quarters free of rent under Rule III (d) of para 28

but it is intended in the cases now reported to levy rent from the officials, based on a percentage of their salary. The Exr P. W. accounts is therefore of opinion that the cases fall under the rules in para 17 which govern the provision of residences for Govt. officials.

[illegible] &c.

1/3/97

Dealt 31/3/97

CWH 26.2.57

H.S. 8371 R 11-3-97

Public Works Department.

Current No. 9973
Letter No. 1708
Dated 29 October 1896
From the Judicial Department

TECHNICAL NOTE.

Name of Work Converting the Old Sub-Jail Buildings at Masulipatam into Police Lines &c.: Amount of Estimate, Rs. 2,600.

PARTICULARS OF ESTIMATE.

Corrected in this Office to Rs 2030
(a) ~~1910~~
(b) ~~640~~ 620
(c) 50 50
Rs 2590
2700

(a)	~~Main Building~~ Converting old Hospital into Inspector's Qrs & Outhouses. . .	Rs 1,910.
(b)	Converting Condemned cells ~~Subsidiary Buildings~~ into Huts for 2 native Hd Constables & 2 Constables	640.
(c).	Dismantling old Office Room.	50.
	Contingencies 5%	,,
	Petty Supervision 2½ %.	,,
	Land Compensation Nil.	,,
	Total Rupees ...	2,600

PARTICULARS OF CONSTRUCTION.

Surface soil Sand
Sub-soil Sand
Foundations Roughstone in mortar, 2'6" × 3'6" for Inspector's Qrs Main Building. and 2' × 2' for Outhouses
Basement Rough stone in mortar 2' × 3'
Walls Rough stone in mortar

P. W.-58
250—5-8-96.

Plastering or Pointing Inside plastering with chunam — Outside pointing with P. Cement.

Flooring – No provision in the Estimate

Roofing Inspector's Qrs: flat and pan tiles
Out houses tiles over mats:

Doors and Windows Panel and Venetian in Inspector's Qrs: Batten for outhouses

Roof timbers Godaveri teak.

Scantlings Not in accordance with Standard Specifications vide Remarks.

Rates vide Remarks.

The plinth area of the main building is — square feet, and the cost per square foot will be Rs. — –

The plans and estimates have been countersigned by the Asst: Inspector General of Police and approved in the Judicial Dept.

REMARKS.

(a) Converting old Hospital into Inspector's Qrs: Rs. 1910

The accommodation provided for the Inspector by the proposed alterations is as under:

1 Room	....	18'6" × 15'0"
2 Rooms	....	10'3" × 9'3"
2 Bed Rooms	....	15'0" × 10'3"
2 Bath Rooms	....	10'3" × 9'3"
2 Open Verandahs	...	18'6" × 9'3"

– Outhouses –

1 Cook Room	....	14'0" × 8'0"
2 Stables	....	12'0" × 12'0"
1 Coachhouse	......	12'0" × 12'0"

Foundations. No provision is made for foundations under the steps. 156 cft of foundations will be necessary as under:

Under steps	1 × 22'0" × 5'0" × 1'0"	110
Under wing walls ..	2 × 7'0" × 1'6" × 1'0"	42
Under pedestals	2 × 1'6" × 1'6" × 1'0"	4
		156

The cost at Rs 19 per 100 cft will be Rs 30

No provision is made for cost of inserting new doors in existing walls. There are apparently 6 doors in the main building and 1 in the Cook-house to be inserted in existing walls. These will cost about Rs 3 each to insert including plastering up sides & soffits &c: adding Rs 21 to the Estimate

The dimensions of the Doors and Windows are all outside dimensions. These have been altered in pencil in the Estimate to interior dimensions. The effect on the Estimate is a saving of Rs 96

No flooring is provided for the new front Verandah and Verandah Rooms. A flooring of ½" Portland Cement over 4" of Stone concrete in mortar would cost at local Schedule rates Rs 32

Scantlings The Verandah Bressummer has been altered in pencil from 6" × 6" to 6" × 8" and the rafters from 3" × 4" to 3" × 5" the corrections being in accordance with Standard specifications. This increases the quantity of Teakwood by 10 cut ft and the Estimate by Rs 30

(b). Converting Condemned Cells into huts for 2 native Hd Constables and 2 Constables.

There are 2 blocks of Condemned Cells to be altered and provision made for 1 Hd: Constable and 1 Constable in each. The accommodation provided is for each Hd Constable: —

1 Room	20'0" × 10'0"
A Verandah	20'0" × 6'0"
An enclosed yard:	20'0" × 5'0"

For each Constable:–
1 Room. 15'0" × 10'0"

In this Estimate the rate for "Rough pointing with chunam" is 2-8-0 per square against Rs 1-7-0. the Schedule rate. By adopting the ~~S~~ latter rate the Estimate is reduced by Rs 19

The dimensions of the doors are outside dimensions, by taking inside dimensions the Estimate may be further reduced by Rs 21.

The Estimate may be corrected from Rs 640 to Rs 600.

FWL
26.11.96

The alterations are not very important & can be made in this office & the estimates be calculated accordingly

27/11/96

Estimates have been corrected in red accordingly in this Section. They now aggregate Rs 2590

HWL
30.11.96.

Converting old Hospital into Inspector's Quarters.

No provision is made for foundations under the steps.

No provision is made for inserting six new doors in the existing walls

The dimensions of doors & windows are outside dimensions, whereas the rates allowed are the same as those for inside dimensions, this means an increase of rate per sq ft.

No flooring is provided for the new front verandah & verandah rooms

The verandah Bressummer should have a section of ~~be~~ 6"×8" according to standard specification & the rafters should have a section of 3"×5". The sections given are respectively 6"×6" ~~&~~. 3"×4"

Converting condemned cells into huts for 2 native Head Constables & 2 constables:

The rate for ~~pointing~~ "Rough pointing with chunam" is 2.8.0 per square against the Schedule rate of Rs 1.7.0. No explanation is given for the increase.

The above remarks about outside dimensions of doors & windows applies here also

–

It is believed there are no funds for carrying out this work at once. The estimate might be returned for revision

JBD
27.11.96.

Constables' quarters, the depth of the surface soil not being stated. But as the sub-soil is rock, it is not clear why the ~~foundations~~ trench cannot be excavated to rock level, & building commenced there. All that can be said with the scanty information available, is that the foundations for all the works comprised in the estimate of Rs 38,050 are unnecessarily massive for constructions on rock; but as the rock surface level is not shown, it may not be intended to take the foundations below the gravel. This matter should receive the Supdg Engr's attention, and any possible savings should be reported.

5. Substituting the Chief Engr's plan and estimate of Rs 3110 for

for Inspr's quarters for the plan costing Rs 5360 in the Supdg. Engr's estimate, the total estimate for the Police lines is reduced from Rs 38,050 to Rs 35,800, and this sum is recommended for sanction, subject to any further reduction which may be found possible in the item foundations, and subject to the approval of the Govt. of India to the amount provided for the Inspr's & European Head Constables' quarters

6. The estimate of Rs 7,920 for the proposed ~~[illegible]~~ buildings at Coimbatore, provides for the conversion of the old jail lines into Police lines. Provision is made for converting the European warders' quarters into quarters for an Inspr. of Police at a cost of Rs 1079.

1.

The value of the existing building is reported to be Rs 500, making a total of Rs 1579. The rent on this figure works out to Rs 10.25 per mensem, while 8 per cent of the average pay of Inspectors is Rs 10.50, so that the proposed expenditure is within the Code limit.

7. Provision is also made for improving a building to adapt it for quarters for a European Head Constable, at a cost of Rs 1,282. The cost of the existing building is Rs 200, making a total of Rs 1482, the ~~[illegible]~~ rent on which is Rs 9-8 per mensem. 8 per cent of the average pay of European Head Constables being Rs 3.2 per mensem, the estimate is beyond the Code limit, and requires the sanction of the Govt. of India.

8. The estimate of the

7,920 provides for 1310 cubic feet of rough stone in mud at Rs 10 ~~annas~~ per 100 c.ft., amounting to Rs 131. As a considerable portion of this is for foundations, it would be well to substitute rough stone in Chunam, at Rs 13 per 100 c.ft., which would cost only Rs 170, the difference being under Rs 40. With this modification, the estimate of Rs 7920 is recommended for sanction, subject to the approval of the Govt. of India to the cost of the European Head Constable's quarters.

9. The estimate for the lines at Masulipatam comprises the following items.–

Converting old Jail Hospital into quarters for an Inspector, with out-houses	Rs 1910
Converting condemned cells into huts for 2 native Hd. Constables & 2 constables	" 640
Dismantling old office room	" 50
Total Rs.	2600

10. In the estimate for the Inspr's quarters, no provision has been made for foundations under the steps; for inserting six new doors in the existing walls, and for flooring for the new front verandah & verandah rooms. The verandah bressummers should have a section of 6" × 8" according to standard specifications, and the rafters should have a section of 3" × 5". The estimate has been corrected accordingly in the Ch. Engr's office, with the result that it has been increased to Rs 2030. The book value of the existing building is reported to be Rs 2532, making a total of Rs. 4562. The rent on this figure according to Code rules is Rs 29 per mensem, and 8 per cent of the average pay of Inspectors being Rs 10.30 per mensem, the estimate requires the

sanction of the Govt. of India.

11. In the estimate for converting the condemned cells into Constables' huts, a rate of Rs 2-8-- per square has been entered for "rough stone pointing with chunam", against the schedule rate of Rs 1-7--. As no explanation has been given for the increase, the rate has been corrected, & the estimate has been reduced to Rs 620. The total estimate for the works thus stands at Rs 2700, and this amount is recommended for sanction, subject to the approval of the Govt. of India to the expenditure on the Inspr's quarters.

1/3/97

S.W.

Cl.
26.2.97

P. W. D.

108

Note by the Chief Engr.

These papers relate to estimates for Police lines at,-

Malappuram	Rs 38,050
Coimbatore	" 7,920
Masulipatam	" 2,600

2. The original estimate for the proposed lines at Malappuram amounted to Rs 45,000, which amount was subsequently reduced to Rs 38,050. In G.O. No. 981 Judl. dated 8th June 1896, this sum was considered still too high, and the Chief Engr. was requested to state whether the cost of the works was susceptible of further reduction. An examination of the plans & estimates showed that a saving of about Rs 800 could be

effected by the use of inferior materials in the Inspr's & Head Constables' quarters, but this course the Chief Engr was unable to approve. The cost of the remaining buildings was found to be not susceptible of reduction, except perhaps in the cost of foundations, which point is alluded to further on. A fresh plan and estimate for the Inspr's quarters, based on the design for the Inspr's quarters at Parvatipuram, sanctioned in G.O. No 2887W of 14th Novr 1895, has been drawn up in the Chief Engr's office. This estimate at local rates, amounts to Rs 3110+, against a sum of Rs 5360 provided ~~f~~ for the purpose in the estimate submitted by the Inspr Genl of Police, showing a saving of Rs 2260.

+ Estimate for main building based on the Parvatipuram design ------ Rs 2,320
Outhouses, adhering to the Supdg Engr's design ---- 790
Total Rs 3110

the cost is still beyond the limit prescribed by rule para 17, Chapter X Vol I P.W. Code, and the sanction of the Govt of India to the item is required.

3. As regards quarters for European Head Constables, two blocks with out-houses, have been designed to accommodate four European Head Constables, at a cost of Rs 8,780, averaging Rs 2,195 per quarter. The rental on this latter amount, in accordance with code rules, is about Rs 15½ per mensem, while 8 per cent of the average pay of European Head Constables is Rs: 3-2 per mensem. This item also requires the sanction of the Govt of India. It does not seem possible to allow less space than that provided in the plan, and the only reduction that seems feasible, is

in the foundations.

4. The foundations provided in the plan for the Insp's quarters, but found in the Chief Engr's office, are based on those allowed in the Parvatipuram design, but this point requires further consideration by the Supg Engr. The surface soil at site at Nalapparam is stated to be hard gravel, & the subsoil hard laterite rock, & it does not seem necessary to have foundations 2 ft 6 inches deep, with concrete two feet broader than the superincumbent masonry. Three fourths of the depth & width provided would probably suffice for the concrete, but the saving would be only about Rs 100. It is not possible to say how much may be saved in the foundations of the European Ward

---

Public Works (1897) Department.

CURRENT No. 1831

Masulipatam

Order

754W

Telegram

From

The Supg: Engineer
II circle.

No. -

Dated 18. 2. 97
Received 19. 2. 97
Enclosures -
Spare copies -

SUBJECT.

Old Jail Hospital at Masulipatam: Reporting the book value of the — proposed to be converted into Police Inspector's quarters.

BACK PAPERS.

No.	Date.
991C.	17-2-97
4639C	7-12-96
4610 C	4-12-96
3293C	10-9-96
2340 C	23-7-95
2784W	1-11-94
~~4071C~~	~~13-11-96.~~
843D	22-7-96.
3707 C	27-11-95
183 W	24-1-95
2887 W	14-11-95
2317-8W	19-9-95
4071C.	13-11-96.
3738C	27-10-96
3468C	29-9-96.
3024C	8-8-96.
2181 C	7-5-96.
2311 W	17-9-95
1708 Judicial	29-10-96
1020 "	17-6-96
981 "	8-6-96

FURTHER PAPERS.

No	Date.

11730

Code Class. 2A INDIAN TELEGRAPHS. Monthly Number.

To (Office) Madras Triplicane From (Office) Bezwada

Words.	Day.	Hour.	Minute.	Official Instructions.
18/17	18	18	45	Pd.

To (Person) Works Madras Chepauk

From (Person) S. E. 2nd Circle

Your telegram yesterday book value 2532

× N. 991C & 17 2 97

64 Word Form.

F. C 2.

Recd. from I.N. At Hrs. Mts. by

Sent to At Hrs. Mts. by

MADRAS 18-2-97.

Telegraph Master.

G P P—No. 572—27 11 94—60,00000

the quarters proposed for him in the Police lines there.

To

the Public Works Dept.

Public Works

Judicial (1897) Department.

N/

CURRENT No. ~~135~~ 662

Cn. 5374/96 +
135/97.

From

F. T. BAGSHAWE, Esq.,
Ag. Inspector-General of Police,
Madras.

~~Order~~ Endorsement ~~Card~~ No. 130

CHIEF SECRETARY
12 JAN. 1897
GOVERNMENT OF MADRAS

No. 101

Transferred to the Public Works Department.

Francis.

Ag Under Secretary.

Dated 11 January/97.

Received ~~12~~ 20 } 1-97

Registered ~~14~~ 20 } 1-97

Enclosures ~~One and [illegible] 5374/~~

Spare copies — 4

M
18/1/97

Fort St. George.
19th January 1897

SUBJECT.

Submitting his report on the rent to be recovered from the Inspector of Police, Masulipatam, for the quarters proposed for him in the Police lines there.

To
The Public Works Dept.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

CURRENT NO. 5374

No. 4639C

Government of Madras.

PUBLIC WORKS DEPARTMENT.

MEMORANDUM.

Dated Madras, 7th December 1896.

C. No 4978.
Refce I.G. of Police
2471
25.11.96

In continuation of this office memo no 4071 C dated 13th November 1896 and with reference to G.O. no 1708 Judicial dated 29th October 1896, the undersigned has the honour to inquire whether the Inspector of Police at Masulipatam, who is to be provided with quarters in the proposed Police lines there, will be permitted to occupy the building rent free under clause (d) Rule III, para 28, Chap. X Vol I P.W. code.

2. In this case also, the cost of the Inspectors quarters is beyond the limit prescribed by Rule (1) para 17 of the same chapter, but this rule will not operate if the case falls under clause (d) Rule III of para 28.

E.D. 7/12

D. McD. Campbell Col. R.E.,
Secretary.

[P. W. 41 / 2,000—6-3-96.]

The Judicial Deptt.

P.W. E.1/662/97

Judicial (189) Department.

P.W. E.2/662/97

CURRENT No. ~~5374~~

19 DEC 96
MADRAS

CHIEF SECRETARY
9-DEC. 1896
DEPARTMENT OF MADRAS

From The P.W. dept.

~~Order~~ Endorsement. No. 2662

Referred to the Inspector-General of Police for report, in continuation of Jud. Endt. No. 2471 d/ 25 Nov. 96.

(By order)

W. Francis

Ag. Under Secretary.

14.12.96.

Fort St. George
18 December 1896

No. 4639 C

Dated 7th Decr. 1896.

Received 9

Registered 10 } 12-96

Enclosures

Spare copies.

SUBJECT.

Reg: quarters for the Inspect

of Police at Masulipatam

12/12

TO BE RETURNED
WITH REPLY.

To
The Inspector General of Police.

BACK PAPERS.

G.O.	No.	Department.	Date.
	cmo 4705	MR Lodged	7.11.96.
80	1708	mis	29.10.96.
R	1580	—	16.9.96
	1396	mis	3.7.95
	2509	(Sc)	17.10.94

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Enclosure No. 1

To letter No. 101 d/ 4.1.97

From Inspector-General of Police

Statement showing the rate of rent to be recovered for the proposed building at Masulipatam.

Nature of building	Rank and pay of present officer.	Estimated Cost of the building	Charges on account of Establishment tools and plants at 10 P.C. on Capital Cost.	Total of Columns 3 and 4	Normal rent at 4 per cent on Capital Cost plus the Charges for establishment, tools &ca.	Average Cost of Annual repairs at 3 per Cent on total Cost Column 5.	Normal rent per annum Chargeable under rules total of Columns 6 and 7.	Rent Chargeable under rules per mensem in round number	Rent fixed for officers on pay not exceeding Rs 100/- per mensem G.O. No. 425, Judicial, dated 20 February 1894.			Rent Calculated at 8 per Cent of the Salary of the Officer who will usually occupy.			Remarks.
1	2	3	4	5	6	7	8	9	10			11			12
		Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	as	p	Rs	as	p	
Inspector's Quarters at Masulipatam.	4th Class Inspector Rs 70/- per Mensem	2000 1910	191	2101	84	63	147	12	3	8	.	10	.	.	

Note.— The figure in Column 11 is Calculated with reference to the average Salary of an Inspector (there being 4 grades on Rs 200/-, 150/-, 100/- and 70)

Chief Office of the Inspr. Genl. of Police,
Madras, January 1897.

Asst. Inspr. Genl. of Police.

W M

1897
Jud. Dept.
Enclos. No. 1
To
C. No. 135

Pw. E-3/662/97

No. O. 49.

Department.

CURRENT No. 135

No. 101.

Chief Office of the Inspector-General of Police,

Madras, 11th January 1897.

From
F. T. Bagshawe Esq.,
~~M. HAMMICK, Esq., I.C.S.,~~
ag. Inspector-General of Police,
Madras,

To
The Chief Secretary
to Government,
Fort St. George.

Sir,

Enclosures.

Sent to B-16-1-97

With reference to Endorsement No. 266-Judicial, dated 18th December 1896, on a Memorandum from the Secretary to a Government, Public Works Departmen No. 4639C, dated 7th December 1896, I hav the honor to state that it is not intended that the Inspector of Police at Masul-patam should occupy the quarters proposed for him free of rent.

2. Under rule 3, para 17, Chapter XI of the Revised Public Works Code, Volume I the sanction of the Government of Indi appears necessary as the estimate for the construction of quarters for the Inspector of Police at Masuli-patam exceeds the limit fixed in

rule

rule 1 of the same para. I enclose a statement showing the proposed cost and the rent calculated thereon.

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

F. Hayshawe
Ag. Inspector General of Police

W

Pub. E. 4/662/97

Public Works (1896) Department.

CURRENT No. 997^{3}

Order

From
The Judicial Dept.

No. 1708

Dated 29—10—96.
Received 5. 11. 96
Enclosures 7 (1 Plan)
Spare copies

SUBJECT.

Approving the plans & Estimates for the conversion of the old Sub-Jail buildings at Kistna into Police Lines &c.

I for scrutiny
CHW
13/11/96 DW

M

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

[G./53]
3,000-3-7-96.

Judicial *Department.*

78

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper :—

From the Inspector-General of Police, No 3909, dated 9th October 1896:-

With reference to G.O., R No 1580, Judicial, dated 16th September 1896, I have the honour to say that I have delayed submitting the plans and estimates for new police lines at Masulipatam as I hardly know what course to advise on the matter.

2. In G.O., No 2509, Judicial, dated 17th October 1894, the transfer of the buildings, formerly the old jail at Masulipatam, to the Police was sanctioned. They were to be converted into

* 2789 W / 1-11-94

* not [illegible]

(a) House for European Town Inspector,
(b) do do Two European Head Constables,
(c) do do Two Native Head Constables,
(d) do do 26 Constables.

In June 1895, I submitted to Government plans and estimates for Rs. 5900 for the work and expressed an opinion that I agreed with Colonel Porteous that brick and mortar should be used instead of brick in mud. I asked that the plan should be sent to the Public Works Department for re-vision. The Government approved of the proposal (G.O., No 1396, Judicial, dated 3rd July 1895.)

3. The Superintending Engineer now submits plans and estimates - as follows:-

(a)

	Rs.
(a) Conversion of the old Hospital into Inspector's quarters	1,910
(b) Conversion of cook room into two European Head Constables' quarters	1,800
(c) Conversion of the condemned cells into two native Head Constables' huts and two Constables' huts	640
(d) Dismantling old office room	50
	4,400
(e) Converting Sub-Jail into 24 huts	7,700.

The Engineer also submits an alternative plan to the last item (e), in which he suggests the dismantling of the whole Sub jail building and the building of new huts for Rs.11,200.

4. The Superintendent considered that the conversion of the old Sub Jail into lines for Constables would not be a good arrangement as the wall surrounding the place would make the place unhealthy. I do not agree with him. If the wall is lowered as is proposed, there is no reason to suppose the lines will be unhealthy. He has also pointed out that quarters for two European Head Constables are not required as there is only one European Head Constable in the station. On this matter I am not quite sure what had better be done. Mr Hasted suggests that the old store-room might be converted into quarters for one European Head Constable and in that case the old cook room might, if necessary, be converted into quarters ~~into~~ for 5 Constables. I am not quite sure if more quarters for Constables are required at present, but I will find out from the Superintendent. If the Engineer thinks that the old store room can profitably be converted into quarters for the European Head Constable, it would be the best plan to do that.

5. The question, however, is whether the whole work is not unnecessarily costly. The second estimate for Rs.11,200 must be put out of consideration altogether as it means that each hut will cost Rs.464. The first estimate for Rs.7,700 or Rs.320 per hut does not provide for building up the gables of the partition walls between each hut, but this must be done. I don't understand how it was omitted in the original Police estimate. Obviously one hut must be completely partitioned off from the next or the men will object to living in them. A saving may be made by building the outer compound walls of each hut of stone in mud instead of stone in chunam and looking, to the expense of the work probably Government will be of opinion that that should be done.

done. The climate of Masulipatam is peculiar and as the houses there show, the air has a very destructive effect on buildings, I should prefer myself to see the buildings completely executed with stone in chunam. However, if this is considered too extravagant, stone in mud may be used.

6. My proposals then are that the plans should be altered - (a) by converting the old store room into quarters for the European Head Constable, (b) converting if necessary the cook room into quarters for 5 Constables, (c) altering the plan of the Sub Jail building by (1) using stone in mud for all the compound walls of the huts and (2) putting in full partition walls up to the roof in each hut and not leaving the spaces between the walls and the gables vacant. If Government assent to this course, the plans for the items(a), (c) and (d) in para 3 of this letter might be passed and the work ordered to be done this year and the Department of Public Works asked to revise the estimate and plan(e) in the way I have suggested. I think the old Office room might be dismantled; it is not in good order and not likely to be required for use.

:-:-:-:-:

O R D E R :- No.1708, dated 29th October 1896.

The plans and estimates for:-

(a) Converting the old hospital into Inspector's quarters	Rs.1910
(b) Converting the condemned cells into two Native Head Constables' huts	Rs. 640
and(c) dismantling the old office room	Rs. 50
Total	Rs.2600

are approved and will be transferred to the Public Works Department.

2. The Inspector-General will be requested to report whether more than 26 constables' huts are required, and whether it is therefore necessary to convert the cook-room into quarters for five constables, and place the European Head Constable in the store room. This latter building has not been shown in the plans submitted.

3. The Inspector-General should request the Public Works Department to revise the Estimate of Rs.7,700 for the 24 Constables' huts by providing for building up the gables of the partition walls between each hut. Taking into consideration the effect of the Masulipatam climate upon masonry, the Government agrees with the Inspector-General that the whole of the building should be done in stone and chunam.

(True Extract)

W. Francis

for Chief Secretary.

To

The Public Works Department (with plans and estimates for works referred to in para.1)
--- Inspector-General of Police.

Public Works
~~Judicial~~ (1896.) Department.

CURRENT No. 143 ~~5504~~

CHIEF SECRETARY 18-DEC 1896 GOVERNMENT OF MADRAS

~~Cir~~ 4978 & 5504/96.

From

M. HAMMICK, Esq., I. C. S.,
Inspector-General of Police,
Madras.

~~Order~~ Endorsement No. 7 d/5 January 1897.

Transferred to the Public Works Department.

W. Francis

Ag. Under Secretary.

29.12.96.

To

The Public Works Dept.

No. 4987.

Dated 17 December /96.

Received ~~18~~ } 6.1.97

Registered ~~19~~ } ~~12-96~~ 6.1.97

Enclosures - one ~~and Judl. C. no. 4978 of 96.~~

Spare copies 4

SUBJECT.

Replying to endorsement No.2471 Judicial, dated 25th November 1896, on memo from the Secretary to Government, P.W.D., No.4071 C., dated 13th November 1896, by stating that it is not intended that the Inspectors of Police and European Head Constables at Mallapuram and Coimbatore should occupy the quarters proposed for them free of rent.

R.1292
29.11.95

BACK PAPERS.

G.O.	No.	Department.	Date.
	1020	Judl	17.6.96
	981	—	8.6.96
	242	—	7.2.96
	1816	—	30.8.95
	95	—	16.1.95
R	1292	—	29.11.95
	448	—	7.3.91

FURTHER PAPERS.

G.O.	No.	Department.	Date.

CURRENT No. 4978

No. 4071 C

Government of Madras.

PUBLIC WORKS DEPARTMENT.

MEMORANDUM.

Dated Madras, 13th November 1896

A
B

With reference to G.O. No. 981 judicial dated 8th June 1896 and No. 1020 judicial dated 17th idem, the undersigned has the honour to inquire whether the Inspectors of Police and the European Head constables who are to be provided with accommodation in the proposed Police lines at Malappuram and Coimbatore will be permitted to occupy the quarters rent free under clause (d), Rule III, para 28, chapter XI, vol I. P.W. code.

2. In the case of the Coimbatore lines, the cost of the Inspectors' quarters is within the limit prescribed by rule (1) para 17 of the same chapter, but the cost of the European Head constables' quarters is greatly beyond that limit.

[P. W. 41
2,000—6-3-96.]

In the case -

In the case of the Malappuram lines, the cost both of the Inspectors, the European Head Constables' quarters, is beyond the limit.

3. If the cases fall under clause (d) Rule III para 28, they need not be dealt with under Rules (1) & (3) of para 17, but if rent is to be levied, they will fall under the provisions of Rules (1) & (3) para 17, and the sanction of the Government of India will be required to the construction of the European Head constables' quarters at Coimbatore and to the Inspector's and the two European Head constables' quarters at Malappuram.

4. Until orders on this point have been received, the plans and estimates cannot be finally dealt with.

G. M. C. Campbell Colonel. R.E.
Secretary to Government

P.W.E.-1/14.3.97

To
The Judicial Department.

981/96 + papers
1020/96 "

Judicial (1896) Department.

CURRENT No. 4978

POLICE OFFICE OF THE INSPECTOR GENERAL OF POLICE, MADRAS
27 NOV. 96

CHIEF SECRETARY
14 NOV. 1896
GOVERNMENT OF MADRAS

From
The Public Works Dept.

Order

Endorsement. No. 2471

Referred to the Inspector General of Police for report.

(By order)
W. Francis
Ag Under Secretary

MR 25.11.96

Fort St. George
25th November 1896

TO BE RETURNED WITH REPLY.

To
The Inspector General of Police

P.W.E.-2/14.3.97

No. 4071 C

Dated 13.11.96
Received 14.11.96
Registered 14.11.96
Enclosures
Spare copies.

Ret. 5407/?

SUBJECT.

Police lines at Malappuram & Coimbatore: Enquiring whether the Inspectors of Police & the European Head Constables who are to be provided with accommodation in the proposed ______ will be permitted to occupy the quarters rent free.

BACK PAPERS.

G.O.	No.	Department.	Date.
	620	Jud:	17.6.96
	1326	"	30.5.95
	448	"	7.3.91.
	982	"	8.6.96
	242	"	7.2.96
	1266	"	18.6.95
	95	"	16.1.95

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Enclosure No. 1
To letter No. 4987 d/17.12.96.
From Inspector-General of Police.

Statement Showing the data of rent to be recovered for the buildings proposed at Malappuram and Coimbatore.

Nature of buildings.	Rank and pay of present officer.	Estimated Cost of the building	Charges on account of Establishment. tools and plants at 10 p.c on capital cost.	Total of Columns 3 & 4	Normal rent at 4 p.c. on capital plus the charges for Establishment, tools &ca.	Average cost of annual repairs at 3 p.c on total cost Column 5.	Normal rent per annum chargeable under rules. Total of Columns 6 & 7	Rent chargeable under rules per mensem in round numbers	Rent fixed for officers on pay not exceeding Rs 100 per mensem G.O. No 425 J.D. dated 20-2-94.			Rent calculated at 8 p.c. of the salary of Officer who will usually occupy			Remarks
1	2	3	4	5	6	7	8	9	10			11			
		Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	as	p	Rs	as	p.	
Inspector's Quarters at Malappuram	3d Class Inspector Rs 100 p.m	5360	536	5896	236	177	413	34	5	.	.	10	.	.	
Modified design for the Inspector's Quarters at Malappuram prepared in the P.W.D. Secretariat.	do	3110	311	3421	137	103	240	20	5	.	.	10	.	.	
Two European Head Constable's Quarters at Malappuram. 1 Block.	3d Grade Rs 35/. p. m. each.	4390	439	4829	193	145	338	28	x 3	8	.	x 6	.	.	Rs x 1.12 ... Rs x 3 for
do do	4th Grade Rs. 30/. p. m. each.	4390	439	4829	193	145	338	28	x 3	.	.	x 6	.	.	Rs x 1.8 -- Rs x 3 for
European Head Constable's Quarters at Coimbatore.	3d Grade Rs. 35/. p. m.	1282	128	1410	56	42	98	8	1	12	.	3	.	.	

Note. —— The figure in the last Column is Calculated with reference to the average Salary of an Inspector (there being four grades on Rupees 200/., 150/., 100/. and 70) and the Same of an European Head Constable (of whom too there are four grades on Rupees 50/., 40/., 35/. and 30) ——

Chief Office of the
Inspr Genl of Police
Madras, 17 Decr 1896

M Hammick
Inspector General of Police

JWB

1896
Jud. Dept.
No. 1
5-5-04

P.W.S E.3 / 14-3/97

No. O. 49.

DEPARTMENT.

CURRENT No 55-04

No. 4987.

CHIEF OFFICE OF THE INSPECTOR-GENERAL OF POLICE,
MADRAS, 17 December 1896.

FROM

M. HAMMICK, Esq., I.C.S.,
INSPECTOR-GENERAL OF POLICE,
Madras,

To

THE Chief Secretary to Government,
Fort St. George.

SIR,

Enclosures.

with Cu. 662 sent
to P.W. on 1-2-97.

With reference to Endorsement No. 2471, Judicial, dated 25th November 1896 on Memorandum from the Secretary to Government, Public Works Department, No. 4071 c, dated 15th November 1896, I have the honor to state that it is not intended that the Inspectors of Police and the European Head Constables at Malapuram and Coimbatore should occupy the quarters proposed for them free of rent.

2. Under rule 3, para 17, Chapter XI, of the revised Public Works Code, Volume I, the sanction of the Government of India appears necessary as remarked by the Public Works Department to the estimates for the construction of quarters for the European Head Constable at Coimbatore and the Inspector and 4 European Head Constables at Malapuram as the cost exceeds the limit fixed in rule I of the same para. I enclose a statement showing the proposed cost and the rent calculated thereon. Materials and labour at Malapuram are very costly and hence the high cost of the buildings proposed there.

3. Sanction was accorded by the Government of India in the case of a house for the Reserve Inspector of Police

10228
4392C
9973.

at

at Parvatipur, Vizagapatam District; Vide G. O. R. No. 1292, Judicial, dated 29th November 1895.

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

Inspector-General of Police,

Exd.

P.a.E. 4/14/3/97

Public Works (1896) Department.

CURRENT No. 9893

Order

From The Examiner
P. W. Accounts
Madras

No 785 C

Dated 30 October 1896.
Received 3.11.96
Enclosures ~~a file~~ 11 (4 plans)
Spare copies

SUBJECT.

Quarters. Returning with remarks papers regarding provision of ——— for an Inspector of Police &c. being sanctioned by Local Govt.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

---

27 OCT 1896
2402 C
W. ACCOUNTS

No. 3738C

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Madras, 27-October 1896.

OFFICE NOTE.

From

W

To

C

Pros. of Govt. Judl. Dept. No. 1020 of 17-6-96.

Letter from the S.E. IV Circle No. 466 W of 26-9-96.

For favour of opinion whether the provision of quarters for an Inspector of Police and a European Head Constable may be sanctioned by this Government under Clause (ii) para 15 chapter X, Vol I, P.W. Code, as forming part of a general estimate for Police lines,

(48—1,000—17-12-95.)

irrespective of the limits fixed by Clause (1) ~~Rule~~ Para 17 of the same chapter.

2. In the present case, an estimate of Rs 7920 has been submitted, for the conversion of certain jail buildings at Coimbatore into Police lines, comprising quarters for a Reserve Inspector, a European Head Constable & 54 constables.

3. In the case of the Inspector, the value of the building & out houses to be converted is Rs 500, & the cost of the improvements is estimated at Rs 1079; the total capital cost will therefore be, —

Estimated cost of improvements --	Rs 1079
10 % for estab. & tools & plant -- --	107
Value of existing buildings -- --	500
Total Rs	1686

The rental on this amount, calculated in accordance with the rules in para 28, will be Rs 10.25 per mensem. The average pay of Inspectors is Rs 135 per mensem, 8% of which is Rs 10-80 - The expenditure thus falls within the limit prescribed by para 17 -

4. In the case of the European Head Constable however, the block to be converted is valued at Rs 200, while the improvements are estimated at Rs 1282; the capital cost is thus Rs 200 + 1282 + 128 = Rs 1610, the rental on which will be Rs 9.8 per mensem. The average pay of European Head Constables is 40 per mensem, 8% of which is 3.2 - The proposed expenditure is thus greatly in excess of the Code limit —

5. In another similar case of proposed Police lines at Malapuram, now under consideration, the estimated outlay on the Inspector's quarters is in excess of the Code

point, & an general expression of opinion is therefore desired whether any audit objection would be raised to such estimates being sanctioned by this Govt. as a whole, the items relating to Inspectors' & European Head Constables' quarters being held to fall under clause ii of para 15.

26/10/96

W

CWS
24.10.96

OWS. 11
2853/96

T/B

E. No. 27.
1,000—9-12-95.

KEEP-WITH CURRENT No. GOVT. OF MADRAS. } 1896. { P. W. DEPT.

dated 189 .

EXAMINER, P. W. ACCOUNTS,

Madras, 30 October 1896.

OFFICE NOTE No. 785 C

To

W.

Your O.N.No.3738 C.dated 27th. October 1896.

Code I. X. 15 gives "cases" in which residences may be built or purchased.

2. Code I. X. 17 directs that when those cases arise the rental must be considered to regulate the cost of building or of purchasing, and that the rental to be taken is that chargeable to the "official who will usually occupy it ".

3. In the case in point, the officers would probably pay no rent under Code I. X. 28 III(d) page 301, and I. X. 15(ii) as their duties compel them to occupy the quarters.

4. Code I. X. 17(i) contemplates a rental, and is governed by following rules(3) & (4). It does not in my opinion apply to I. X. 15(ii) if the

tenants occupy rent free, but only if the official who will usually occupy is liable for rent.

C.

30/10.

Public Works (1896) Department.

CURRENT No. ~~8753~~ 8853/S.10

27 OCT 1896

Order

From

The Supg. Engineer,
4th Circle.

No. 466/W.

Dated 26th September 1896

Received 30.9.96

Enclosures -Nil-

Spare copies "

SUBJECT.

Old Jail Lines at Coimbatore.

Reports the valuation of each of the portions of the existing — proposed to be converted into Police lines.

[P. W. 29 / 1,000—5-8-96.]

0 L. 54 68
R 16/10

BACK PAPERS.

G.O.	No.	Department.	Date.
	3468C	PW	29-9-96
	3024C	〃	8-8-96
	2181C	〃	7-5-96
	2311W	〃	17-9-95

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Executive Engineer's Office
Coimbatore Division
22 September 1896

No 3111

EXAMINED
27 OCT 1896

40

From
A. A. G. Malet Esquire
Executive Engineer
Coimbatore Division

To
The Superintending Engineer
Fourth Circle

Sir,

With reference to your No 438 C.d dated 11-8-96 I have the honor to give herewith the valuation noted in the margin of each of the portions of the existing old jail lines at Coimbatore which is proposed to be converted into Police lines.

No	Description of building	Approximate value
1	European Chief Warders quarters	400
1	do - Cookhouse	50
1	do Latrine	50
4	Head Constables quarters at 200 Rs each	800
1	Armoury	150
26	Constable's double block huts at Rs 150	3900
2	Constable's single block huts at Rs 75 each	150
	Total	5500

I have &c
(Sd) A. A. G. Malet
Executive Engineer

No. 466/W d/26-9-96

Copy submitted to the Chief Engineer P. W. D. for information with reference to his

is Memorandum No 3024 C dated 8 August
1896.

Supg Engr 4 Circle

G/15

Govt. of 1896 Madras.

P. W. CURRENT No. ~~5782~~

9833/96

Enclos: 8 (4 plans)

Recd: 26. 6. 96

To

The Public Works
Department.

Proceedings, No. 1020 dated 17th June 1896.

Subject.

Approving and transferring to P. W. D the Plans
and Estimates for
converting the jail
lines at Coimbatore
into houses for the
Police.

No. 2181 C1 d 7-5-96
2311 W, d 17-9-95

1

R

The Public Works Department.

No. 20 [illegible]

[illegible] P.W.D. [illegible] converting the jail [illegible] Coimbatore [illegible]

[G. / 53]
3,000-26-3-96.

-38.

27 OCT 1896

Judicial *Department.*

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper :—

From the Inspector General of Police, dated 27th May 1896, No. 2110.-

I have the honour to submit for the sanction of Government, estimates amounting to Rs. 7,920 for putting into order the old jail lines at Coimbatore and converting them into houses for Reserve Inspector, European Head Constable and fifty four constables. The sanction for the preparation of estimates was given in G.O. No. 1816, Judicial, dated 30th August 1895.

2. The original rough estimate was ~~s~~ Rs. 3,000 based on a report from the Superintendent of Police, who said that the Executive Engineer in 1890 had estimated the necessary repairs at Rs. 2100 and he considerd that as the lines ~~a~~ had since then fallen into further disrepair Rs.3000 or more would be required to put them in order.

3. The estimate consists of the following items viz.

Rs. 1,079	for Inspector's house.
Rs. 1,282	,, European Head Constable's house.
Rs. 3,510	,, Constables' huts.
Rs. 477	,, dismantling, levelling and constructing a wall.
Rs. 200	,, digging a well.
Rs. 1,000	,, latrine.
Rs. 7,548	
372	,, contingencies and supervision.
Rs. 7,920.	

4. The only items in the estimate which seem

open

open to reduction are those for the construction ~~ed~~ of a wall and the item for a latrine. A latrine is necessary and the Superintending Engineer considers that, in the long run, the latrine suggested is the most economical. A wall round the huts and houses, should I think be constructed. The site is in the town and it will be an advantage to have the whole of the buildings in one enclosed compound.

O R D E R:-No. 1020, dated 17th June 1896.

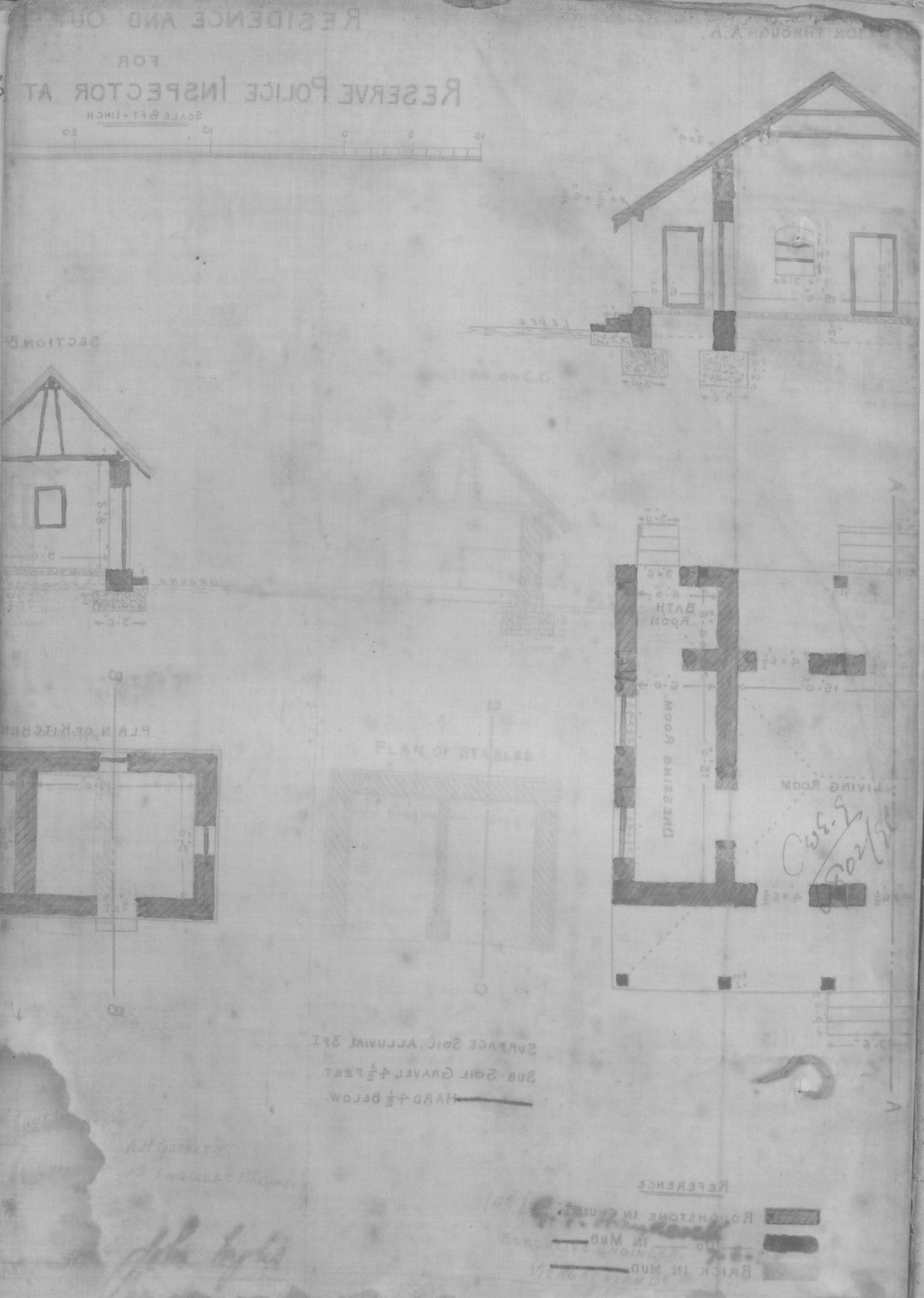
The plans and estimates are approved and will be transferred to the Public Works Department.

(True Extract)

W Francis

for Chief Secretary.

The Public Works Department. (with plans & estimates.)
Inspector General of Police.



To be employed where there are many parts or sub-divisions of a work.

5,000—10-6-95.

(E. No. 126.)

CIRCLE.— First
DIVISION.— Vizagapatam
TALUK.—
DISTRICT.— Do

ESTIMATE FORM.—ABSTRACT—GENERAL (FOR MANY PARTS OF A WORK.)

Financial Head— Provincial

Budget Head— Civil Buildings

Departmental Head— Original Works

Main Head— Police

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Quarters and out-houses for the Reserve Inspector of Police at Parvatipuram

Amount of Estimate— 1,900

To be carried out by— PWD

REFERENCES.

ESTIMATE FORM.—ABSTRACT—G

Description of Work.	Rates.		Quarters		Kitchen Godowns		Stable		
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity
		RS.		RS.		RS.		RS.	
		B. Fo	–	1011	–	200	–	111	–
Country wood batten doors with frames &c Complete	Sft.	0.8.0	218	109	36	18	–	–	–
Salwood venetian windows including frames &c Complete.	Sft.	1.0.0	48	48	–	–	–	–	–
Flooring with 4" Concrete well rammed and plastered	100 Sft.	5.12.0	8.00	46	–	–	–	–	–
Flooring with 4" gravel well rammed and plastered with Cow-dung	Do.	0.12.0	〃	〃	1.90	1	–	–	–
Wood oiling to doors and windows	Do.	1.40	5.40	7	–	–	–	–	–
Tarring two coats	Do	1.8.0	7.60	11	2.50	4	1.00	2	–
Ditching & fencing around the buildings	〃	〃	〃	35	–	–	–	–	–
Compensation for land	〃	〃	〃	181	–	–	–	–	–
Excavating foundation and filling in	〃	〃	〃	〃	〃	3	〃	2	–
Flooring with gravel inside and front of Stable.	〃	〃	〃	〃	〃	〃	〃	5	–
Petty Supervision	〃	〃	〃	33	〃	7	〃	4	–
Contingencies	〃	〃	〃	49	〃	7	〃	6	–
		Total Rs		1530	–	240	–	130	–

STATION Vizagapatam

Dated 7-6-1896.

NOTE.—(1) All rates are to be given in Rupees, Annas and Pies.

(2) Quantities are to be entered as so many units; thus the uni of Brick-work would be entered as 92·5 units.

5,000—10-6-95.

To be employed where there are many parts or sub-divisions of a work.

(E. No. 125.)

CIRCLE.—

DIVISION.—

TALUK.—

DISTRICT.—

ESTIMATE FORM.—ABSTRACT—GENERAL (FOR MANY PARTS OF A WORK.)

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract—General (for many parts of a Work).

Description of Work.	Rates.		Quartors		Kitchen and Godowns		Stables.												Total.	
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
		RS.		RS.		RS.		RS.		RS.		RS.		RS.		RS.		RS.		RS.
Excavating foundations and filling in — —	1000cft	3.0.0	4.000	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4.000	12
Concrete in Mortar	100cft	9.8.0	19.40	184	4.00	38	2.50	24	–	–	–	–	–	–	–	–	–	–	25.90	246
Roughstone in Do.	Do	10.8.0	19.10	201	2.40	25	1.30	14	–	–	–	–	–	–	–	–	–	–	22.80	240
Do. in Mud.	Do	6.13.0	13.10	89	10.80	74	5.00	34	–	–	–	–	–	–	–	–	–	–	28.90	197
Flat arch work in Mortar	Do	18.0.0	1.40	25	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.40	25
Brick in Mud	Do	11.0.0	.30	3	–	–	.20	2	–	–	–	–	–	–	–	–	–	–	.50	5
Honey Comb tiled work in chunam & White washed	100sft.	7.8.0	.15	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	.15	1
Plastering with two Coats of Mud and White washed on Cow-dung wash —	Do	0.12.0	39.6	30	17.40	13	7.60	6	–	–	–	–	–	–	–	–	–	–	64.6	49
Roofing with flat and Pantiles including best jungle wood rafters, double Couples & reepers &c. Complete well tarred.	Do.	21.0.0	16.80	353	–	–	–	–	–	–	–	–	–	–	–	–	–	–	16.80	353
Thatched roofing with bamboo rafters reepers & mats &c Complete	Do.	4.12.0	"	"	6.27	30	4.29	20	–	–	–	–	–	–	–	–	–	–	10.56	50
Salwood wrought and put up —	Cft.	2.8.0	45	113	–	–	–	–	–	–	–	–	–	–	–	–	–	–	45	113
Junglewood work wrought & put up	Do.	1.8.0	"	"	13	20	7	11	–	–	–	–	–	–	–	–	–	–	20	31
				1011		200		111												1322

Station——————
Dated——————189 .

Note.—(1) All rates are to be given in Rupees, Annas and Pies.
(2) Quantities are to be entered as so many units; thus the unit for Brick-work being 100 cubic feet, 9,250 cubic feet of Brick-work would be entered as 92.5 units.

~~Executive Engineer.~~

GENERAL (FOR MANY PARTS OF A WORK).

									TOTAL.	
Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
RS.		RS.		RS.		RS.		RS.		RS.
-	-	-	-	-	-	-	-	-	-	1,322
-	-	-	-	-	-	-	-	-	254	127
-	-	-	-	-	-	-	-	-	48	48
-	-	-	-	-	-	-	-	-	8.00	46
-	-	-	-	-	-	-	-	-	1.90	1
-	-	-	-	-	-	-	-	-	5.40	7
-	-	-	-	-	-	-	-	-	11.10	17
-	-	-	-	-	-	-	-	-	-	35
-	-	-	-	-	-	-	-	-	-	181
-	-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	-	-	-	5
-	-	-	-	-	-	-	-	-	-	44
-	-	-	-	-	-	-	-	-	-	62
-	-	-	-	-	-	-	-	-	-	1,900

Brick-work being 100 cubic feet, 9,250 cubic feet

(True Copy) John Inglis
Executive Engr
Ag. Supg. Engr. I Circle 24-7-96

(Sd) A H Garrett
Supg. Engr. I Circle
19-6-95

Sd/ G. F. Handcock
Executive Engineer. 7695
Vizagapatam Dn

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Constructing quarters and outhouses for the Reserve Inspector of Police at Parvatipuram.						
Quarters.						
Excavating foundations & filling.						
Front and rear walls of the main building - - - - -	2	41.0	3'·6"	3'·6"	1004	
End and Cross walls - -	4	13.0	3.6	3-6	637	
Rear verandah wall including retaining wall - - - - - -	1	28.0	3.6	3.6	343	
End and Cross walls - - -	4	2.6	3.6	3.6	123	
Cross wall between Store and bath rooms - - - - - - -	1	2.6	2.9	3.6	24	
Front and rear retaining walls. - - - - - - - - - -	1	59.0	3.0	3.0	531	
Steps large - - - - - - - -	2	7.6	2.3	1.0	34	
Do. Small - - - - - - -	2	3.0	2.3	1.0	14	
Filling in basements - -		say	e feet.		1200	
Total Cubic feet					3910	4.000 Units.
Concrete in mortar.						
Front and rear walls of the main building - - - -	2	41.0	3.6	2.6	417	
End and Cross walls - - -	4	13.0	3.6	2.6	455	
Rear verandah wall excluding retaining wall - - - -	1	28.0	3.6	2.6	245	
End and Cross walls -	4	2.6	3.6	2.6	88	
Cross wall between Store and bath rooms - - - -	1	2.6	2.9	2.6	17	
Front & rear retaining walls -	1	59.0	3.0	2.0	354	
Steps large - - - - - - -	2	7.6	3.0	1.0	45	
do. Small - - - - - - -	2	3.0	3.0	1.0	18.	
Total Cubic feet					1939	or 19.4 Units

E. 120.
50,000—14-5-95.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Roughstone in mortar						
Foundations and basement						
Front and rear walls. ----	2	39.0	1.6	3.0	351	
End and Cross walls ------	4	15.0	1.6	3.0	270	
Rear Verandah wall including retaining wall. ----------	1	24.0	1.6	3.0	108	
End and Cross walls ----	4	4.6	1.6	3.0	81	
Front and rear retaining walls	1	63.0	1.6	3.0	284	
Steps large ----------	2	7.6	3.0	1.0	45	
Do. Small ---------	2	3.0	3.0	1.0	18	
Add amount of Roughstone in mortar as per deductions in Superstructure -----	"	"	"	"	751	
	Total Cfeet.				1908	or 19.10 units
Stone in mud.						
Superstructure						
Longitudinal walls up to the junction of Verandah cross walls --------------	2	25.6	1.6	11.6	880	
Cross walls of Do.	2	15.0	1.6	12.0	540	
Gable over Do. on left side	1	15.0	1.6	2.6	56	
Remaining portions of the main walls ------------	4	5.3	1.6	9.9	307	
Outer wall all round the left End of the building -----	1	87.6	1.6	7.6	422	
Do. Do. Right End	1	31.6	1.6	7.6	354	
Cross walls full height	2	4.6	1.6	9.6	128	
Pillars -------	7	1.3	1.3	6.6	71	
Deduct as specified below.	Total Cfeet.				2758 1446	1312 or 13.10 units

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ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Deductions						
Doors large ------	5	4.0	1.6	6.6	195	
Do. Small ------	4	3.6	1.6	6.6	136	
Do. Do. ------	3	3.0	1.6	6.0	81	
Windows ------------	4	3.6	1.6	4.6	95	
Sides of large doors ----	10	1.6	1.6	6.6	146	
Do. of Small Do. ----	8	1.6	1.6	6.0	108	
Do. Do. -------	6	1.6	1.6	6.0	81	
Windows sides and sills	4	14.6	1.6	1.6	131	
Recesses in bed and dining rooms -----------	3	3.0	1.0	3.3	29	
Openings of Honey Comb tiles work }	2	3.0	1.6	2.6	23	
Top of all walls of the building.	1	190.0	1.6	1.0	285	
Flat arch work over doors ----	5	5.0	1.6	1.1½	42	
Flat arch ~~work~~ over doors.	4	4.6	1.6	1.1½	30	
Do. Small.	3	4.0	1.6	1.1½	20	
Do. windows ------	4	4.6	1.6	1.1½	30	
Flat arch over recesses --	3	4.0	1.0	1.1½	14	
Total deductions					1446	
Flat arch work as per above deductions. }	-	-	-	-	136	Cft 1.40 units
Honey Comb work do do.	-	-	-	-	15	Cft .15 units
Brick in mud.						
Cross wall between store and bath rooms full height ----	1	4.6	0.9	9.6	30.	
	Total	Cft	—		30	0.3 units.

P. S. O.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Plastering with mud & washed						
Left verandah wall inside ~~in-side~~ including the thickness of Partition walls ------	1	32.3	u	7.6	242	
Do. Do Right do....	1	27.0	u	7.6	202	
Longitudinal wall inside ..	2	21.0	u	12.0	504	
Cross wall in the main building both sides ----------	2×2	15.0	u	12.0	720	
Do. Do. Gables ----	2×2	15.0	u	2.6	75	
Cross walls in rear verandah.	4	4.6	u	9.6	171	
Remaining portion of the longitudinal walls ------	4	6.0	u	9.6	228	
Portion of longitudinal wall inside of store room	1	5.3	u	12.0	63	
Do. bath room ---	1	6.0	u	12.0	72	
Pillars ----------	7	5.0	u	6.6	228	
Outside of longitudinal wall in front including portion at the	1	27.0	u	11.0	297	
Verandah wall outside including ends. ----------	1	72.0	u	7.0	504	
Longitudinal wall in rear veran-dah-	1	15.0	u	11.0	165	
Rear verandah Cross wall --	2	6.0	u	9.0	108	
Remaining portion of longitudinal walls -------	2	6.0	u	9.0	108	
Basement all round -	1	138.0	u	2.0	276	
Total Sqft					3963	or 39.60 units

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Roofing with flat and Pantiles and Chunam borders including jungle wood rafters double couples and reepers - Front and rear.	2	42.0	20.0	u	1680	
		Total	Sqft.		1680	or 16.8 units
Salwood wrought and put up Wall plates over the main walls including over laping ___.	2	27.0	0.3	0.4	5	
Do - Do over the main cross wall on right side ___	1	16.6	0.3	0.4	1	
Do Do over verandah walls —	1	72.0	0.3	0.4	6.	
Bressummer over the front verandah including over laping.	1	55.0	0.4	0.6	9	
Do. in rear. ----	1	18.0	0.4	0.6	3	
Hip rafters ------	4	26.9	0.3	0.5½	12	
Planks in recesses ---	6	3.6	1.0	0.1	2	
Eave board throughout.	1	150.0	0.1	0.7	7	
		Total	Cfeet	-	45	Cft. 45
Country wood batten doors						
Doors large --------	5	3.6	u	6.0	105	
Do Do --------	4	3.0	u	6.0	72	
Do. Small -------	3	2.6	u	5.6	41	
		Total	Sqft.		218	218.
Salwood venetian Windows.						
Windows -------	4	3.0	u	4.0	48	
		Total	Sqfeet		48	48 Sqft

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Flooring with concrete 4" thick well rammed & plastered smooth						
Centre room — — — — —	1	15.0	15.0	"	225	
End room large — — — —	1	15.0	12.0	"	180	
do. small — —	1	6.0	15.0	"	90	
Front Verandah — — —	1	36.0	4.6	"	162	
Rear Verandah — — —	1	15.0	4.6	"	68	
Store room — — — — —	1	5.3	4.6	"	23	
Bath rooms — — — — —	2	6.0	4.6	"	54	
		Total	Sft.		802	8 units.
Wood oiling ~~tar~~ two Coats						
Battan doors large — — —	5×2	4.0	"	6.6	260	
Do. small.	2×2	3.6	"	6.6	91	
Venetian windows. — — — —	4×3	3.6	4.6	"	189	
		Total	Sft.		540	5.40 units.
Tarring two Coats.						
Wall plates over main walls	2	27.0	"	1.2	63	
Do. Do.	1	16.6	"	1.2	19	
Do Verandah walls.	1	72.0	"	1.2	84	
Eaves Board throughout.	1	150.0	"	1.4	200	
Ends of Bressummers.	4	1.0	"	1.9	7	
Hip Rafters — — — —	4	26.9	"	1.5	152	
Country wood doors — — —	2×2	3.6	"	6.6	91	
Do. Do.	3×2	3.0	"	6.0	108.	
Tarring where necessary	"	"	"	"	42	
	Total	Sqr.	feet		766	7.60 units

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
1	2	3	4	5	6	7
Compensation for land						
Petty Supervision —						
Contingencies —						
Kitchen and Godown						
Concrete in Mortar						
Under main walls — — —	1	69.0	3.6	1.6	362	
Cross wall — — — —	1	7.0	3.6	1.6	37	
Steps — — — — — —	2	3.0	1.0	0.6	3	
				Total.	402	or 4 units
Roughstone in Mortar.						
Foundations and basement						
Main walls all round	1	69.0	2.0	1.6	207	
Cross walls — — — — —	1	8.6	2.0	1.6	26	
Steps — — — — — —	2	3.0	1.0	0.6	3.	
			Total	Cft.	236	2.4 units
Stone in Mud.						
Superstructure						
Main walls all round —	1	69.0	1.6	8.6	880	
Cross wall — — — —	1	9.0	1.6	8.6	115	
Gables — — — — — —	3	12.0	1.6	3.0	162	
			Total	cfeet.	1157	
Deduct as below —					81	
	Net	total	cft.		1076	10.80 units
Deductions						
Doors — — — — — —	2	3.0	1.6	6.0	54	
Windows — — — — — —	3	2.0	1.6	3.0	27.	
		Total	deductions		81	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Plastering with mud & White washed.						
Inside the Kitchen ---	u	42.0	u	8.6	357	
Do. Godown ----	u	36.0	u	8.6	506	
Gables -------	4	9.0	u	2.3	81	
Outside walls all round	1	75.0	u	8.6	638	
Basement ----	1	77.0	u	1.6	115	
Gables -------	2	12.0	u	1.11	46	
Total	Sft		——		1743	or 17.40 units
Flooring with 4" Concrete well rammed & Plastered.						
Kitchen -------	1	12.0	9.0	u	108	
Godown -------	1	9.0	9.0	u	81	
Total	Sqft				189	or 1.9 units
Roofing with thatch including bamboo rafters &c.						
Front and rear ——	1	28.6	u	22.0	627	6.27 units
Junglewood wrought and put up.						
Ridge -------	1	28.6	0.3	0.4	2.37	
Wall plates -----	2	28.6	0.3	0.3	3.56	
Beams -------	2	11.0	0.4	0.6	3.67	
Uprights -----	4	5.0	0 2½	0 2½	0.85	
Plates over uprights to receive ridge piece	2	1.0	0.4	0.2	0.10	
Lintels over doors —	2	4.6	1.6	0.1½	1.69	
Do. windows. --	2	3.0	1.6	0 1½	1.12	
Total	Cft	-			13.36	13 Cft.
Excavating foundations and filling in ——						

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Tarring wood work & doors and Windows.	—	—	—	Say	—	2.50 units.
Country wood doors & Windows.						
Batten doors -----	2	2.6	u	5.6	28	
Windows ------	2	1.6	u	2.6	8	
	Total	Sqft	-		36	Sft 36.
Petty Supervision. ——						
Contingencies ——						
Stables.						
Concrete in Mortar.						
Rear wall —----	1	18.6	3.6	1.6	97	
Side walls ------	2	10.0	3.6	1.6	105	
Pillar --------	1	3.6	3.6	1.6	19	
Under partition wall --	1	6.6	2.9	1.6	27	
		Total	Cft.		248	or 2.5 units
Roughstone in mortar						
Foundations & Basement						
Rear wall -----	1	17.0	2.0	1.6	51	
End wall ----	2	10.0	2.0	1.6	60	
Pillars -----	1	2.0	2.0	1.6	6	
Partition wall ----	1	8.0	1.3	1.6	15	
		Total	Cft		132	1.3 units
Roughstone in mud.						
Superstructure						
Rear wall ------	1	16.6	1.6	7.0	173	
End walls -------	2	10.0	1.6	7.0	210	
Gables over -----	2	11.6	1.6	2.10½	99	
Pillar --------	1	1.6	1.6	7.0	16	
		Total	cft	-	498	or 5.00 units

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Brick in Mud.						
Partition wall -- --	1	8.6	0.9	3.0	19.	
	Total	cft			19.	0·20 units.
Plastering with Mud & Washed.						
Inside of rear wall --	1	12.9	"	7.0	89	
End walls full height.	2	10.0	"	9.6	190	
Partition wall (both sides &top)	1	8.6	"	6.9	57	
Outside of rear wall --	1	16.6	"	7.0	116	
End wall full height.	2	11.6	"	9.10½	227	
Pillar --------	1	6.0	"	7.0	42	
Basement --------	1	41.0	"	1.0	41	
	Total	Sqr feet.			762	7·60 units
Roofing with bamboo rafters &c Complete -						
Front and rear ———	1	19.6	"	22.0	429	
					429	4·29 units
Junglewood wrought & put up.						
Ridge --------	1	19.6	0.3	0.4	1.60	
Wall plates ------	1	19.6	0.2	0.3	0.80	
Bressummers -----	1	19.6	0.4	0.5	2.71	
Beam --------	1	11.0	0.4	0.6	1.83	
Upright for King post --	2	5.0	0.2½	0.2½	0.40	
Plate over do - to receive ridge piece	1	1.0	0.4	0.2	0.05	
				Total.	7.30	7 cft ~~units~~
Excavating foundations & filling in and making up the ground in front of Stable -- --	—	Lump			Sum	—
Tarring the wood work	–	–	–	–	Say	1.00 units
Flooring with gravel inside and in front of Stable ———	–		—	Do	—	
Petty Supervision ——						
Contingencies ——						

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
	Quarters.	RS.		RS.	RS.
4.000	— Units Excavating foundations & filling	3.0.0	1000 cft.	12	
19. 4	—— Do — Concrete in Mortar -	9.8.0	100 cft	184	
19. 10	—— Do. — Roughstone in - Do -	10.8.0	— Do —	201	
13. 10	—— Do —— Do. — in mud	6.13.0	— Do —	89	
1. 40	—— Do. — flat archwork in Mortar	18.0.0	— Do —	25	
0. 30	—— Do — Brick in mud —	11.0.0	— Do. —	3	
0. 15	—— Do. — Honey Comb tiled work in Chunam and white washed	7.8.0	100 sft.	1	
39.6	— Do — Mud plastering 2 coats including white washing or cowdung wash --------	0.12.0	— Do —	30	
16.8	— Do — Roofing with flat & pantiles and Chunam borders including best jungle wood rafters, double Couples & reepers & Complete well tarred ------	21.0.0	— Do	353	
45	— Cft. Salwood wrought & put up	2.8.0	1 cft	113	
218.	— sft. Country wood batten doors including frames &c. Complete.	0 8 0	Sft.	109	
48	— Do — Salwood venetian windows including frames &c. Complete —	1.0.0	Sft.	48.	
8.00	Units Flooring with 4" Concrete well rammed & plastered Smooth.	5.12.0	100 sft.	46	
			Carr.	1214	

~~Grand Total of Estimate~~ ..

STATION
Date 189

~~Executive~~ Engineer.

30,000—15-5-95.

(E. No. 123.)

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Brought forward			1214	
5.40	Units wood oiling 2 coats to doors and windows —	1.4.0	100 sft	7	
7.60	— do — Tarring two coats.	1.8.0	do	11	
	Ditch and fencing around the building —	"	"	35	
	Compensation for land	"	"	181	
	Patty Supervision —	"	"	33	
	Contingencies — —	"	"	49	
					1530

(Sd) A. H. Garrett
Sndg. Engt I Circle
Dated 19. June 96

Grand Total of Estimate Rs. 1530

STATION Waltair
Date 24 July 1896 } (True Copy)

John Inglis
~~Executive Engineer.~~
Executive Engineer
for Sndg: Engt I Circle

30,000—15-5-95.

JI
24-7-96

(E. No. 123.)

CIRCLE—First

DIVISION—Vizagapatam

DISTRICT—Do.

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head—Provincial

Budget Head—Civil Buildings

Departmental Head—Original Works

Main Head—Police

Sub-Head—

Project of which the work forms part—

Section—

Name of Work—Constructing quarters for the Reserve Inspector of Police at Parvatipuram

Amount of Estimate, Rs.—1,530

To be carried out by—P. W. D.

Rs. 5.4
6802/96

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
1	2	3	4	5	6
		RS.		RS.	RS.
	Stables.				
2.50	units Concrete in mortar —	9.8.0	100 cft.	24	
1.30	— Do. — Rough stone in Do —	10.8.0	— Do. —	14	
5.00	— Do. — Do. — in mud.	6.13.0	— Do. —	34	
7.60	— Do — Plastering with mud 2 coats including white washing or cowdung wash — —	0.12.0	— Do. —	6	
0.20	— Do. — Brick in mud —	11.0.0	— Do.	2	
4.29	— Do — Roofing with bamboo rafters, reepers & Palmyra leaves &c. complete — —	4.12.0	Do.	20	
7.	Cft. Junglewood wrought and put up — — — — — —	1.8.0	1 Cft	11	
	Flooring with gravel inside and in front of Stable — —	Lump sum		5	
	Excavating foundations and filling in & making the ground in front of Stable.	"	"	2	
1.00	Tarring two coats — —	1.8.0	100 sft.	2	
	Petty Supervision — —	"	"	4	
	Contingencies — — —	"	"	6	
				———	130.
	(Sd) A. H. Garrett Supg. Engr. I Circle 19-6-96.				

Grand Total of Estimate Rs 130.

STATION Waltair
Date 24 July 1896 } (True Copy)

John Ingles
Executive Engineer.
Executive Engineer
for Supg. Engr. 1st Circle

30,000—15-5-95.

26.7.96

(E. No. 123.)

Circle— 1st

Division— Vizagapatam

District— -Do-

Taluk (or Estate in case of Estate Works.)

ESTIMATE FORM.—Abstract.

Financial Head— Provincial

Budget Head— Civil buildings

Departmental Head— Original Works

Main Head— Police

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Consty. stable attached to the quarters for the Reserve Inspector of Police at Parvati put an

Amount of Estimate, Rs.— 130/-

To be carried out by— DPW

Ows.3
6802/96

REFERENCES.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate	Per	Amount	Total.
1	2	3	4	5	6
	Kitchen and Godown	RS.		RS.	RS.
4.00	Units Concrete in Mortar	9.8.0	100cft.	38	
2.40	Do Roughstone in Mortar	10.8.0	Do	25	
10.80	Do Do in mud	6.13.0	Do	74	
17.40	Do Plastering with mud 2 coats including white-washing on Cowdung wash	0.12.0	100cft.	13	
1.90	Do Flooring with 4" gravel well rammed and Cow-dung plastered	0.12.0	Do	1	
6.27	Do Thatched roofing with bamboo rafters & reepers mats &c complete	4.12.0	Do	30	
13.	Cft. Jungle wood wrought and put up	1.8.0	cft.	20	
	Excavating foundations and filling in	"	"	3	
2.50	Units Tarring 2 coats	1.8.0	100cft.	4	
36	Sft. Country wood batten doors and windows with frames &c complete	0.8.0	Do.	18	
	Petty Supervision	"	"	7	
	Contingencies	"	"	7	
					240

(Sd) A. H. Garrett
Supg. Engr. 1st Circle
Dt. 19.6.95

Grand Total of Estimate Rs 240

Station Waltair
Date 24th July 1896

(True Copy)
John Inglis
Executive Engr Executive Engineer.
for Supg. Engr. 1st Circle

30,000—15-5-95.

26-7-96

(F. No. 123.)

CIRCLE— 1st

DIVISION— Vizagapatam.

DISTRICT— Vizagapatam.

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

ESTIMATE FORM.—Abstract.

Financial Head— Provincial

Budget Head— Civil buildings

Departmental Head— Original works

Main Head— Police

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Constructing Cook house attached to the quarters for the Reserve Inspector of Police at Parvatipuram

Amount of Estimate, Rs.— 240/-

To be carried out by— DPW

Rs. 2
6802/56

REFERENCES.

Report to accompany the Plan and Estimate for Construction of Quarters and outhouses for the Reserve Inspector of Police at Parvatipuram

The Plan and Estimate were called for in G.O No. 1108 dated 9.5.94.

The salary of the Inspector is Rs 100/- and if calculated according to para 17 Chapter X Volume I P.W. Code the amount of Estimate should not exceed Rs 1,370, whereas this Estimate amounts to Rs 1,900.

It is not possible to build suitable Quarters with outhouses &c at Parvatipuram for Rs 1,370 inclusive of land Compensation.

The foundations are of Concrete in mortar, Basement of stone in mortar and superstructure of stone in mud except round doors and windows where mortar is provided.

The

To Supdg. Engr. I Circle

The roof will be constructed of tiles supported on jungle wood couples and rafters.

The site was settled in consultation with the Police authorities.

The work will be carried out according to the standard specification.

(Sd) G. H. Handcock
Executive Engineer

(Sd) A. H. Garrett
Supdg. Engr. 1st C.

(True Copy)

Ol.S.7
6882/96

John Inglis
Executive Engineer
for Supdg. Engr. 1st Circle
24-7-96

24-7-96

Statement giving data for calculation of rent of a Government building constructed as residence for the Reserve Inspector of Police at Parvatipuram.

Name of building	Official designation and Salary of occupant	Whether permanent or temporary (P. or T.)	Date of completion or Purchase	Capital Cost.				Four per cent on the Capital Cost (8)	Actual average cost of repairs vide G.O. No. 1367W. dated 22.5.89.			Estimated cost of repairs when actual average is not taken.	Normal Rate of rent on basis of foregoing data.		Rent paid prior to 7th September 1888.	Rent to be Charged.		Remarks.
				Cost of Construction or Purchase	Establishment (T. & P.) at 10 p. Cent on account in (5)	Cost of Site	Total.		Cost of repairs	Ten per cent Establishment & Tools & Plant	Total.		Annual (9) + (12) or (9) + (13)	Monthly 1/12 of 14		Yearly.	Monthly.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Quarters and Outhouses for the Reserve Inspector of Police at Parvatipuram	Inspector of Police Salary Rs 100 per month.	Permanent.		Calculated on the amount of the Estimate														
			"	1,719	172	181	2,072	83	"	"	"	62	145	12	"	145	12.	12 Per cent of the Salary of the occupant.
				Calculated as per rules.														
			"	1,081	108 1081	181 108	1,370	55	"	"	"	41	96.	8	-	96	8	8 per cent of the Salary of the occupant

(True Copy) John Inglis
24.7.96
Executive Engineer
for Supdg. Engr. I Circle

(Sd) A. H. Garrett
Supdg. Engr. 1st Circle

19th June 1895.

24-7-96

Owab
6802/56

No. 303 V.Z.

FROM

J. C. Larminie Esquire
SUPERINTENDING ENGINEER,

FIRST CIRCLE.

Enclosures. 9

1 Site plan;
1 Plan,
1 Report
1 Data Sheet,
1 Detailed Estimate
3 Abstract Estimates
1 Abst. Cul. Est

TO

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

WALTAIR, 24th July 1896.

SIR,

As requested in your telegram dated the 22nd Instant, I have the honor to forward herewith Copies of Plans and Estimates for Quarters for the Reserve Inspector of Police at Parvatipuram sanctioned in G.O No. 2887 W dated 14.11.95.

I have the honor to be
Sir,
Your most obedient Servant

John Inglis
Exe. Active Engineer
For Superintending Engineer
First Circle

Md
2417

S. E. I. / 6 500—29-2-96.

6802

FROM J. C. Larminie Esq.
SUPERINTENDING ENGINEER,
FIRST CIRCLE.

TO
THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

Encls 9 (2 Plans)
Recd: 25.7.96
1544

DATED 24
DESPATCHED 24 } July 1896.
RECEIVED

No. 303 V.Z.

ENCLOSURES. 9.

SUBJECT.

Reserve Inspector of Police at Parvatipuram — Forwards Copies of plans and Estimates of quarters for the — as requested in the Telegram dated 22.7.96

Police Inspector's Quarters, [illegible]

Superstructure, Quantity as per Estimate 5241 Cft

Deduction

B. F. ~~755~~

Arched doors large	8 × 17 × 1 × 1½ =	204
— Do small	4 × 13 × 1 × 1½ =	78
— Windows large	8 × 17 × 1 × 1½ =	204
— Do small	2 × 11½ × 1 × 1½ =	35
Top of wall of sitting room	1 × 51 × 1½ × 1 =	77
— Do bed room	2 × 2 × 12 × 1½ × 1 =	72
Rear of dining room	1 × 16 × 1½ × 1 =	24
— of Bath —	2 × 10 × 1½ × 1 =	30
Gables of sitting & dining rooms	3 × 21 × 1½ × 1 =	95
Do of bath room	4 × 9½ × 1½ × 1 =	57
Pillars in front & rear Verandah	13 × 1½ × 1½ × 8-0 =	234
Archwork &c &c as per estimate		~~450~~
		1110
		~~2315~~

5241
2315
2926 Cft laterite in clay @ 13-12- = Rs 402 ✓

1110 Cft of laterite in mortar in superstructure — } @ 19-8- = 216 ✓

Main rooms 1729
Bath rooms — 120
1849 Sft flooring with ½" thick P. Cement @ 9 Rs = 166

1729 @ 9 Rs = 156
120 @ 9 Rs — 11

Quarters for two European Head Constables' huts, Malapuram

Superstructure, Quantity as per Estimate - 4415 Cft.

Deduction B-F. — 728

Arched doors large 8 × 15 × 1 × 1½ = 180
Do Small — 6 × 13 × 1 × 1½ = 117
Windows large - 10 × 14½ × 1 × 1½ = 218
Do Small - 2 × 13 × 1 × 1½ = 39
Top of walls, front & rear } 2 × 55½ × 1½ × 1 = 167
Gables to do — 5 × 21 × 1½ × 1 = 158
Top of rear Verandah wall } 1 × 46½ × 1½ × 1 = 70
Gable walls in front & rear Verandah } 8 × 8¼ × 1½ × 1 = 99
Pillars in Verandah 9 × 1½ × 1½ × 7 = 142
Archwork &c do as per Estimate — 527
2445 =
1190

4415
2445
197

~~2445~~
~~72~~
~~17~~
~~5~~
~~119~~

1970 Laterite in clay @ Rs 13-12-- = 271
1190 Laterite in mortar for superstructure } @ 19-8-- = 232

Quarters= 1216
Bath Rm 72
1288 sft Flooring with ½" thick P-Cemt @ 9 Rs = 116

1216 @ 9 Rs 109.4
72 do 6.4
115-8

Rs -
4" Concrete = 4-6-0 or
for 6" Concrete = 6-9-0
½" P-Cemt plastering } = 9-0-0

C.No 5435/96

Calculation sheet for altering the materials from laterite in mortar to laterite in clay &c &c for Inspectors Quarters & European Head Constables Quarters at Malapuram

7-7-96.

C. No. 5435

P. W. Secretariat.

Note by Budget Section.

Work Constructing permanent quarters for the Police Force at Malapuram, Malabar District.

Fund Provincial

Service Head Civil Buildings

Departmental Head Original Works.

Amount of Estimate	Rs.	38,050
Expenditure in previous year ...	"	"
Allotment in current year ...	"	"
Balance required to complete ...	"	38,050
Total Rs...		38,050.

Note of available Funds.

The balance at the credit of the Provincial Reserve is Rs 79,474. The whole amount has to be reserved for works connected with Govt. Houses at Madras and Guindy & the drains near the Fort, Madras. No funds can therefore be spared from the Reserve balance for this work.

CM
8.7.96

Note by Budget Section.

Public Works De ment.

Current No. 5435
Letter No 981
Dated 8th June /96
From the Judicial DepLt.

Note by Technical Section.

Name of work Constructing Permanent Quarters for the Police Force at Malapuram, Malabar Distt.

Amount of Esti: Rs 38,050.

The amount Rs 38,050 is divided as follows: —

	Rs
Inspector's Quarters —	4,570
Out houses for - do —	790
	5360
2. Blocks of quarters for 2+ European Head constables each	6,970
2 Blocks of out houses for do —	1810
	8780
6 Blocks of Huts for 12 constables, each = = 72 constables	20,910
1 Block of Huts for 8 constables —	2,370
1 Buglers Quarters —	430
Contingencies @ 2½% (Rs 890)	—
Petty Supervision @ 2½ p (Rs 901)	—
Land Compensation —	Nil
	37,850
Dismantling the existing buildings	200
Grand Total Rs	38,050

Particulars

+ Shown as 4-

Particulars of Construction of Inspector's Quarters

Surface soil is hard gravel. Sub soil is hard laterite rock.

Foundation is 3 ft. deep, the lower 2 ft. is to be of concrete & the upper 1 foot is to be of laterite stone in mortar.

Basement is 3 ft. high & is to be built of laterite stone in mortar.

Superstructure, the walls of the main rooms are to be 13 ft & the Verandah rooms are to be 8 ft. high & are to be built of laterite in mortar with flat arch work over doors & windows & semi circular arch work between dining & sitting rooms.

Interior & exterior of the walls are to be plastered with 2 coats of Chunam. For out houses & constable huts, the plastering will be of 1 coat Chunam.

Flooring of the Inspector's Quarters as well as European Head Constables Quarters is to be of 9" Sqre paving tiles on 4" concrete & pointed with Portland Cement, except for Bath rooms which are to be floored with Cement 1/2" thick on 4" concrete. As for out houses for the Quarters, the flooring is to be of 6" concrete & plastered with 1 coat of Chunam.

Roofing is to be of 1st Class Mangalore tiles & teak reepers &c Complete.

For out houses & huts, the roofing is to be of 2nd Clas Mangalore tiles & Errool o Karimarudu wood reepers, complete.

Roof timbers throughout are to be of Errool or Karimarudu wrought & put up.

Scantlings of roof timbers are correct.

Doors & Windows for the Inspector's Quarters & for the Quarters for the European Head Constables are to be of teak & as per description given in the plan & estimate.

For out houses, constable huts the doors & windows are to be of Karimarudu batten doors & windows.

Painting to doors & windows of the Inspector's Quarters & for the Quarters for the ~~for~~ European Head Constables is to be of 2 coats of Charlton's Silicate paint chocolate color.

The rates as far as can be checked are fair.

The plinth area of the Inspector's Quarters is 2,233 sft & the cost per sft. will be Rs 2-0-7

The plinth area of one block of 2 - European Head Constables Quarters is 1730 sft & the cost per sft. will be Rs 2-0-2.

The 80 Constables huts cost ₨ 23,280 or ₨ 291 per hut.

With reference to G. O. No. 1830r dated 24th January 1895, the Superintg. Engr. IV Circle submits these plans & estimates for constg. permanent quarters for the Police Force at Malapuram, Malabar Distt.

The plans & estimates have been countersigned by the Ag. Inspector General of Police & forwarded by the Judicial Deptt. to this Deptt. & stating that the work in question will be executed by the Agency of the P. W. Deptt. & also states that the Govt. considers the estimate to be still too high. The Chief Engineer is requested in the P. W. Deptt. to state whether the cost of the work is not susceptible of further reduction.

With reference to the above mentioned reduction, I beg to submit that by altering the materials of construction in the buildings for Inspector's Quarters & European Head Constables Quarters will be as follows:—

The

Rs. 800 is a little more than 2 per cent of Rs. 38050. To effect so small a saving as that it is not worth while to build with such inferior materials as laterite-in-clay instead of laterite-in-mortar, or make the other alteration suggested.

CWH 18/7/96

No

The amount of Estimate will be reduced from ₨ 38050, to ₨ 37250, or ₨ 800, will be the saving by substituting laterite in clay for walls with laterite in mortar around the doors & windows, top of walls for a depth of one foot & Verandah pillars, instead of laterite in mortar throughout & substituting the flooring with 6" concrete & plastered with 1/2" Portland cement instead of flooring with 9" sqr. paving tiles & pointed with Portland cement as provided in the estimate submitted by the S. E. IV circle.

Further saving cannot be made from the other buildings such as out houses for the quarters or from any of the Police constable's huts, as they are to be built with laterite in clay throughout.

Subject to approval of the above mentioned alterations, the estimates will be altered in red ink.

Provision of ₨ 200 is made in the estimate for dismantling the existing old buildings, but no mention is made for utilizing the + materials of the same, whereby some saving may also be effected.

GH.
7.7.96.

+ The old buildings are stated to be thatched structures, [illegible] [illegible]. It is not [illegible] likely that any of the materials will be fit for use in the new buildings. — C.

No. 1 of [illegible] — materials [illegible] [illegible] "Remarks" [illegible]

W. CURRENT No. 5435

$\left[\frac{G}{15}\right]$

Enclos 11 (6 plans)

Recd: 16-6-96

Govt. of {1896} Madras.

To

The Public Works Deptt

Proceedings, No. 981 dated 8-6-1896

Subject.

Directing that the construction of permanent quarters for the police force at Malapuram be executed by the agency of ~~by~~ the P. W. D & requesting the Chief Engineer to report if the cost of the work is not susceptible of further reduction.

N: 3707 C, d/ 27-11-95
183 W, d/ 24-1-95

S. 245
287

[G./53] 3,000-26-3-96.

Judicial *Department.*

10

CHIEF SECRETARIAT, MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

× 1834 / 24-1-95

Read again G.O.No. 95, d/ 16th. January 1895.
Read again ~~G.O.No.242~~, d/ 7th. February 1896.
READ also the following paper :—

From the Inspector General of Police, Madras, dated 18th. May 1896, No.2022.

I have the honour to resubmit the plans and estimates, returned with G.O.No. 242, Judicial, dated 7th. February 1896

not read G.O. w.b

2. The original estimate for Rs.45,000 for the construction of permanent quarters for the Police force at Malapuram has now been reduced to Rs.38,050 by (1) omitting the compound wall entirely and (2) substituting laterite in clay for laterite in mortar for constables' and Head constables' huts and out houses for the Inspector.

3. The Executive Engineer reports that mud walls are not suitable on the west coast owing to heavy rainfall and that no other reductions appear feasible.

4. I have considered whether it is advisable to undertake the construction of these works departmentally and have come to the conclusion that it is impossible for us to do it. It is difficult to get competent contractors or overseers on the West Coast and supposing our own men are put on the work, they could only be employed on the portion of the work requiring no technical skill. All the wood work, roofing, stone cutting and actual building would have to be done by skilled labor. Moreover, the situation of the special force is such that at any moment the whole body of men or a large portion of them may be called away for weeks together. They have, for instance, all of them just been out for over two months. Under these circumstances, I am afraid any attempt on our part to carry

out

out this large work departmentally will end in failure and prove ruinously extravagant.

5. The estimate is no doubt a large sum, but it provides for housing 5 Europeans and 81 natives.

6. The present buildings are in such a bad state, eaten through and through by white ants and pervious to every fall of rain, that new buildings are urgently required.

-----------O-----------

ORDER, No. 981, dated 8th June 1896.

In the circumstances stated the work in question will be executed by the Agency of the Public Works Department.

2. The Government considers the estimates to be still too high. The Chief Engineer will be requested, in the Public Works Department, to state whether the cost of the work is not susceptible of further reduction.

(True extract)

W Francis

for Chief Secretary.

To the Public Works Department (with plans & estimates to be retd:)
" - " Inspector General of Police.

P.W. CURRENT No. 6943

L-O-Rs /31

Encls 13 (1 Plan)

Accd: 31-7-96

From

The Supdg Engineer
2nd Circle

To

The Chief Engineer
P.W.D.
Madras

From,
The Superintending Engineer,
II Circle.

To,
The

Dated } 18
Received }

No 1104 KE / 29.7.96
Encls 13

Enclosures.

NO.

SUBJECT.

Conversion of the Old Sub Jail buildings at Masulipatam into Police huts.

Informs that the Est. of Rs 12,100 for — has been forwarded to the I.G. of Police for consideration

No. 2340C, d/ 23-7-95
,, 2784W, d/ 1-4-94

Await receipt of the revised plans & estimates

3/9/96

W

O.L.S. 3~~00~~ 25/8

CWMS 7.9.96

Superintending Engineer's Office.

No. 1104 KE

II CIRCLE,

Dated 29 July 1896.

From,

Major W. L. C. Baddeley, ~~Esquire~~, R.E.

Superintending Engineer,

II Circle.

To,

The Chief Engineer

P. W. Department

Madras.

Enclos 13

+ 1 Plan
1 G.O. No. 1396 d/ 3.7.95 (J..dl)
1 General Abstract
5 Detailed Estts
5 Abstract Do

13

Sir

With reference to your Memo No. 2340 C d/ 23rd July 1895 I have the honour to report that an estimate amounting to Rs 12,100 for Converting the Old Sub Jail buildings at Masulipatam into Police huts, has this day been forwarded+ to the Inspector General of Police for countersignature and transmission to Government.

+ Sent by packet post

I have the honour to be

Sir

Your most Obt Servant

M. Evans
25.7.96
Exec Engineer
for Supg Engr 2nd Cl.

Enclosure No. 2 to letter No 3395 dated 7th June 1895 from the Inspec
General of Police

DEPARTMENT OF PUBLIC WORKS
No. ......
15 MAR 95

General Abstract

Quantity	Description of work.	Rate.	Per.	Amount	Total
	Converting old Sub jail into 24 Police huts at Rs 158-5-4	.	.	3800	✓
	Converting condemned cells into 2 Native Head Constables & 2 Constables huts	-	-	201	✓
	Converting old Hospital into Inspector's Quarters & out offices	.	.	1053 1048	✓
	Converting old Cookrooms into 1 European & 1 Eurasian Head Constables Quarters	.	.	555 ~~543~~	
	Dismantling old office room	.	.	28	✓
	Repairing old Quarantine shed for the use of Volunteers club in exchange for the old office, and compound now Occupied as club	.	.	200	
	Sundries	.	.	63 ~~80~~	
	Grand Total of estimate				Rs 57

21.12.

This estimate can be sent to C.E.

W. L.
J - 1

Contract
21/12

W. Macartney.
Ag. Dist. Supt. of Police
27/1/95

1672 KE
19 JUN. 95
P.
SECOND CIRCLE

ENGINEER'S OFFICE
No. 981
25 JUL. 95
P.
SECOND CIRCLE

1895
Jud
1
2813.

Ans E. H 12
6261/55
6563/[illegible]

Enclosure 3 to letter No 3395 dated 7th June 1895 from the Inspector General of

Detailed Estimate for converting old Hospital into Inspectors quarters and out Offices houses

Detail of work.	No	Measurements in feet			Area or Contents.	Total Quantity of each description of work.
		Length	Breadth	Depth		
Dismantling roof						
Front Verandah of Jail entrance front (a) proposed Inspectors stable	1	10.0	8.0	.	80	
Total cft						.80
Dismantling brick in chunam works						
Removing the front walls of Jails to leave it into a coach house.	1	7.0	1.50	10.0	105	
Cross wall in proposed Inspectors cook room	1	8.0	1.50	8.0	96	
Cross wall in the Inspectors quarter	1	10.25	1.50	15.0	230	
Square old bath room.	1	13.0	1.50	12.0	234	
Total cft					665	6.65
Proposed improvements brick in chunam foundations						
Cross walls in front to form a coach house.	2	12.0	1.75	2.0	84	
Inspectors. Cook room.	1	14.0	2.0	2.0	56	
Cross. wall to Inspectors. Quarter.	1	15.0	2.50	3.0	112.	
Retaining wall in front of Inspectors quarters	1	42.0	2.50	3.0	315	
Cross. walls of Inspectors quarters.	4	9.0	2.50	3.0	270	
Total cft					837	
Basement						
Cross. wall to Inspectors quarters.	1	15.0	2.0	3.0	90	
Retaining wall.	1	42.0	2.0	3.0	252	
Cross wall in Verandah. ~~Steps~~	4	9.0	2.0	3.0	216	
Steps	1	22.0	5.0	2.0	220	
Total. cft					778	
Superstructure.						
Wall to the cook room of Inspectors quarters.	1	14.0	1.50	8.0	168	
Cross wall to Inspectors quarters.	1	15.0	1.50	13.0	292	
Verandah front walls.	2	13.25	1.50	8.0	318	
Cross walls of Verandahs.	4	9.25	1.50	10.0	555	
Pillar	1	1.50	1.50	8.0	18	
Cross wall in each room.	2	12.0	1.25	9.0	270	
Total cft					1621	
Total cft of Brick in chunam						32.36
Roofing new with Bamboo rafters and reapers, & Pantiles chunam borders complete.						
Cook room of Inspector.	1	15.0	12.0	.	180	
Total cft						1.80

Roofing with bamboo reepers covered with flat & pantiles chunam borders.						
Front Verandah of Inspectors quarters.	1	44.0	15.0	.	660	
Total Cft.						6.60
Doors and Windows. country.						
New door. to Cook-room.	1	3.0	6.0	.	18	✓
New doors to Quarters	9	3.5	6.5	.	204	✓
Windows. to Quarters.	3	3.0	4.0	.	36	✓
Total. Cft.					258	258
Wood work. country.						
Bressummer to Inspectors Quarters.	1	20.0	0.6"	0.9"	7.50	✓
Rafters to Do.	32	15.0	0.3"	0.4"	40.0	✓
Lintles over. doors.	10	4.0	1.6	0.2"	10.0	✓
Do over. Windows.	3	3.0	1.6	0.2"	2.25	✓
Total Cft.					59.75	59.75
New country wood gate.	1					

There is no information given here as to what is to be done with the materials removed from the old Hospital

23/12-94.

25 JUL 95

P.W.D.

21.12.94

W. Mcartin.
Ag. Dist. Supt. of Police
27/1/95

Encl. No. 4 to letter No 3395 dated 7th June 1895 from the Inspector General of Police

Abstract for converting old Hospital into Inspector Quarters

[illegible] out. Offices

Q'ty	Description of work	Rate Rs.	as	p.	Per	Amount Rupees	Total.
0.80	Dismantling the roof.	1	.	.	100 Sft	1	
6.65	Dismantling the brick in chunam walls. and stacking materials	2	-	-	100 cft	13	✓
32.36	Brick in chunam	19	.	-	Do	~~610~~ 615	
27.0	Whitewashing 2 coats as per Plastering	.	4	-	Do	7	
1.80	Roofing new with bamboo rafters reepers & pantiles chunam. borders. Complete.	11	.	.	Do	20	✓
6.60	Roofing with bamboo reepers covered with flat, and pantiles chunam borders	9	.	.	Do	59	✓
258	Doors & windows batten (country) including bolts hinges. complete	.	8	-	1 Sft	129	✓
59.75	Woodwork (country) wrought and put up.	3	.	.	1 Cft	179	✓
1	New country wood gate	30	.	.	Each.	30	
	Nett amount of Rupees.					1053 ~~1048~~	

21.12.94

no plastering -

W. Mcartin.
Ag. Dist. Supt. of Police
27/1/95.

No. 11/672
10 JUN. 9
SECOND CIRCLE

ENGINEER'S OFFICE
No. 957
25 JUL. 95
P.W.D.

5
Tud
3
28/13.

10

Enclosure No. 5 to letter No. 2395 dated 17th June 1895 from the Inspector General of Police

Detailed estimate for converting old cook rooms into 1 European and 1 Eurasian Head Constables Quarters.

Detail of work.	Measurements in feet.				Area or Contents	Total Quantity of each description of work.
	No	Length	Breadth	Depth		
Proposed improvements. brick in chunam foundation						
Retaining wall to Verandah of European and Eurasian Head Constables Quarters.	1	81.0	1.25	1.50	152	
Cross wall to form cook & bath rooms of do.	8	8.0	2.0	2.0	256	
Total. C. ft					408	
Superstructure						
Cross walls in European & Eurasian Hd. Const. Quarters.	8	8.0	1.50	9.0	864	
Total. C. ft					864	
Total C. ft of brick in chunam.					1272	12.72
Roofing new with bamboo rafters & reepers and pantiles chunam borders complete.						
~~F~~ Front Verandah to Quarters.	1	83.0	10.0	„	830	
Total S. ft						8.30
Doors & windows Country						
New doors to Quarters.	6	3.0	6.0	„	108	
Total S. ft						108
Wood work Country						
Bressummer to Quarters.	1	86.0	0.4"	0.6"	14.33	
Lintels over new doors.	6	4.0	1.6	0.2"	6.0	
Total C. ft					20.33	20.33
Shifting existing roof adding 1/8 new pantiles with new bamboo reepers & new chunam border						
Double roof of Quarters.	2	83.0	14.0	„	23.24	
Total S. ft						23.24

21.12.9

W. [illegible]

Asst. Dist. Supt. of Police
27/4/95

19 JUN 95
Second Circle

Engineer's Office
No. 287
25 JUL. 95
Second Circle

5
Tud.
4
2813

Enclosure No. 6 to letter No. 3395 dated 7th June 1895 from the Inspector General of Police

Abstract Estimate for converting old Cook rooms into 1 European and 1 Eurasian Head Constables quarters.

Quantity	Description of work	Rate			Per	Amount	Total
12.72	Brick in chunam.	19	0	0	100 cft	241	
12.80	White washing 2 coats as per plastering	.	4	-	100 sft	3	
8.30	Roofing anew with bamboo rafters & reepers and pantiles chunam borders. Complete	11	-	-	100 cft	91	
108	Doors and windows batten country including bolts hinges complete.	.	8	.	1 sft	54	
20.33	Wood work country wrought and put up	3	-	-	1 cft	61	
23.24	Shifting existing roof adding 1/8 new pantiles with new bamboo reepers & new chunam borders.	4	8	.	100 sft	~~93~~ 105	
							555
	Net amount of Rupees.					~~543~~	

21.12.94

W. Macartney
Ag. Dist. Supt of Police
27/1/95

9/6
19 JUN. 95
SECOND CIRCLE

S. & G. ENGINEER'S OFFICE
No 981
25 JUL. 95
P.W.D.
SECOND CIRCLE

1895
Jud.
5
2813.

6943/96

Enclosure No. 7 to letter No 3395 dated 7th June 1895 from the Inspector General of Police

Detailed estimate for converting condemned cells into 2 Native Head Constable and 2 constables huts.

Detail of work.	No	Measurements in feet Length	 Breadth	 Depth	Area or Contents	Total Quantity of each Description of work.
Dismantling—						
Ventilation roof over 2 condemned cells attached to the front compound wall.	4	20.0	3.0	"	240	
Total S.ft.						2.40
Proposed improvements brick in chunam foundation						
Backyard walls to compound cells.	4	6.0	1.75	2.0	84	
Retaining walls to do.	2	20.0	1.25	1.50	75	
Total. c.ft.					159	
Superstructure—						
Backyard walls of condemned cells.	4	6.0	1.25	6.0	180	
Total c.ft.					180	
Total C.ft of Brick in chunam						3.39
Roofing anew with Bamboo rafters & reepers & pantiles chunam borders. complete.						
Roof of Verandahs to condemned cells.	2	22.0	9.0	"	396	
Total. S.ft.						3.96
Doors and windows. Country—						
Bressumer to condemned Cells.	2	22.0	0.4	0.6	7.33	
Lintles over. new doors.	4	4.0	1.6	0.2	4.0	
Total. C.ft.					11.33	11.33
Shifting existing tiled roof adding 1/8 new flat and pantiles & repairing chunam Borders.						
Old roof of condemned Cells.	2x2	30.0	8.0	"	960	
Total S.ft						9.60

21.12.94

existing roof timber rotten

W. McCarlin.
Offg. Dist Supt of Police
27/1/95

Enclosure No. 8 to letter No. 3395 dated 7th June 1895 from the Inspector General of Police

Abstract Estimate for converting Condemned Cells into 2. Native Head Constables and 2. Constables huts.

Quantity	Description of work	Rate Rs	As	Ps	Per	Amount Rupees	Total
2.40	Dismantling the roof.	1	.	.	100 sft.	2	
3.39	Brick in chunam.	19	.	.	100 cft.	64	
6.36	Whitewashing 2 coats as per plastering	.	4	.	100 sft.	2	
3.96	Roofing a new with bamboo rafters and reepers & Pantiles chunam borders complete	11	.	.	do	44	
72	Doors and windows. batten country including bolts hinges. complete	.	8	.	1 sft.	36	
11.33	Wood work. country wrought & put up.	3	.	.	1 cft.	34	
9.60	Shifting existing tiled roof. adding $\frac{1}{8}$ new flat & pantiles & repairing chunam borders.	2	.	.	100 sft.	19	
	Net amount of Rupees.						201

P.N.
21-12

W. [illegible]
Ag. Dist. Supt. of Police
27/1/95

Supdg. Engineer's Office
No. 8/672
19 JUN. 95
Second Circle

S. E. Engineer's Office
No. 2787
25 JUL. 95
P. W. D.
Second Circle

1895
Jud. Dept.
6
To
2813.

R.6.7
~~5366/95~~
6563/96

77'-4"
7 - 3
70-1

82-3
1-6
15-0
1-6
77-4
177-7

37-7
52-4
9-10
34-3
9-0
177-3

92-11
70-1
163-0
11-4
174-4
87-2

88-9
7½

80-9
6-3
1-6
89-1½

895

SURG. ENGINEER'S OFFICE
No 7/672
10 JUN 95
SECOND CIRCLE

S. G. ENGINEER'S OFFICE
No 981
25 JUL 95
SECOND CIRCLE

1895
Jud. Dept
Enclos. No 7
To
O. No 2813.

92-11
89-4½
2-6½

89-4½
89-1½
178-6

Rs 5-0
~~5201/55~~
6543/16

Annexure No. 9 to letter No 3395 dated 7th June 1895 from the Inspector Gen

ailed estimate for converting old Sub. jail into 24 Police huts. Police

Detail of work.	No.	Measurements in feet. Length	Breadth	Depth	Area or Contents	Total Quantity of each description of work.
Dismantling roof						
Ventilation roof of proposed huts. North & South	2	158.0	3.0	-	948	unnecessary
Do, east and west	2	158.0	3.0	-	948	
Total S.ft					1896	18·96
Dismantling brick in chunam walls						
Removing the compound wall of jail allround leaving 6ft from ground level east and west	2	202.0	2.0	6.50	5252	
Do. North side	1	203.0	2.0	6.50	2639	
Do South side excluding portion of compound wall of Inspectors Quarters.	1	158.0	2.0	6.50	2054	
Making a gate into the compound in rear. ~~area~~	1	10.0	2.0	6.0	120	
Cross walls in the old jails	3	15.0	1.5	13.0	877	
Total. C. ft.					10942	109·42
Proposed improvements. brick in chunam foundation						
Back yard wall rear side of each side.	4	68.0	1.75	2.0	952	
Do Small wall at square.	4	9.0	1.75	2.0	126	
Cross walls in back yards all.	24	6.0	1.75	2.0	504	
Do. Small at square	4	9.0	1.75	2.0	126	
Do. in huts.	18	15.0	1.75	2.5	1181	
Retaining walls in front and rear of each cell.	8	75.0	1.25	1.50	1125	
Cross walls in front and rear. Verandah.	48	4.5	1.75	2.0	756	
Total. C. ft.					4770	
Superstructure						
Back yard wall small at square.	4	9.0	1.25	6.50	292	
Cross walls in Back yard.	24	6.0	1.25	6.50	1170	
Do. of back yard wall.	4	3.0	1.25	6.50	97	
Do. in front and rear. Verandahs.	52	6.25	1.25	7.0	2843	6 inches Proje
Do. in huts.	18	6.0	1.25	12.0	4320	ction on each side allowed to existing masonry
New coping over existing compound wall.	1	750.0	1.50	1.0	1120	
Total C. ft.					12052	
Total C. ft. of Brick in Chunam						168·2

Roofing new with bamboo rafters & reepers pantiles chunam borders. complete						
Roof of Verandah huts.	8	77.0	9.0	9.0	5544	
Total S. ft.					5544	55.44
Roofing with bamboo reepers covered with flat and pantiles chunam borders.						
Right along the roof the ridge of proposed huts	4	158.0	2.0	..	1264	
Total S. ft.					1264	12.64
Doors and windows. (Country)						
New doors to all huts.	48	3.0	6.0	..	864	
Total S. ft.					864	864
Wood work (Country)						
Valley rafters to Verandahs of huts.	4	10.0	0.3"	0.4"	3.33	
Bressummers.	8	80.0	0.4"	0.6"	106.66	
Lintles over new doors.	48	4.0	1.6"	0.2	48.0	
Total C. ft.					157.99	158
Country wood posts also	54					No 54
Shifting existing tiled roof adding 1/8 new flat & pantiles & repairing chunam borders						
old roof of proposed huts only 3 sides as one side was lately repaired	3X2	75.0	8.0	..	3600.	
Total S. ft.						36.0
Removing the old iron barred doors & windows blocking up openings	43					No 43
Refixing the new doors as shown in plan by cutting the wall to all the huts	56					No. 56
Fixing new country wood gate	1					No 1
Repairing wells	4					No 4

P.W.
21.12.94

ENGINEER'S
981
25 JUL. 95

~~5361/55~~
6143/56

W. Macarthur
Ag. Dist. Supt. of Police
29/5/95

Enclosure No. to letter No. 3395 dated 7th June 1895 from the Inspector General of Police

Abstract Estimate for Converting old Sub Jail into 24 Police huts.

Quantity	Description of work	Rate Rs	As	P.	Per.	Amount Rupees.	Total
18.96	Dismantling the roof.	1	.	.	100 S.ft.	19	
109.42	Dismantling brick in chunam. walls. and Stacking Materials	2	.	.	100 C.ft.	219	
168.22	Brick in Chunam.	19	.	.	do	~~3198~~ 3196	
246.71	White washing 2 coats. as per above plastering	.	4	.	do	62	
55.44	Roof new with bamboo rafters & reepers and pantiles chunam. borders. complete.	11	.	.	do	~~609~~ 610	
12.64	Roof with bamboo reepers covered with flat and pantiles chunam. borders.	9	.	.	do	114	
864	Doors and windows. batten. (country) including bolts, hinges, complete.	.	8	.	1 S.ft.	432	
158	Wood work (country) wrought and put up –	3	.	.	1 C.ft.	474	
54	Country wood posts.	1	8	.	each.	81	
36.0	Shifting the existing tiled adding 1/8 new flat and pantiles repairing chunam. borders. at necessary places —	2	.	.	100 S.ft.	72	
43	Removing the old iron barred doors. & windows and blocking up. openings	2	8	.	each.	108	
56	Refixing the new doors as shown in plan.	.	12	.	do	42	
1	New country wood gate.	30	.	.	do	30	
4	Repairing wells.	10	.	.	do	40	
						5500	5500
200.000	Deduct the Value of bricks after deducting 1/4 quantity from dismantling Masonry	6	.	.	1000	1200	
	Do. cost of old iron barred doors & windows.	.	.	.	.	300	
	Do. cost of wood & tiles of old office room.	.	.	.	.	~~200~~ 201	~~1700~~ 1701
	Net amount of Rupees.					1700	3800

P.W.
21.12.94

W. Macarthur
Ag. Dist. Supt. of Police
21/1/95

5761/2K
19 JUN. 95
P.W.D.
SECOND CIRCLE

S. A. G. ENGINEER'S OFFICE
No. 9817
25 JUL. 95
P.W.D.
SECOND CIRCLE

R 2 5/4
~~5761/95~~
6563/96

5
Tud.
Index No. 9
2813

Enclosure No 11 to Letter No. 3395 dated 7th June 1895 from the Inspector General of Police

Detailed estimate for dismantling old office room.

Detail of work.	No.	Measurements in feet. Length	Measurements in feet. Breadth	Measurements in feet. depth	Area. or Contents	Total Quantity of each description of work.
Dismantling roof.						
Roof of old office room.	2	22.0	13.0	"	572	
Total S. ft.						5.72
Dismantling brick in Mud walls.						
Dismantling foundation of the old office room	1	74.0	2.50	3.0	555	
Do. Basement of do.	1	74.0	2.0	1.50	222	
Do. Superstructure of do.	1	74.0	1.50	13.0	1443	
Do Retaining wall all round.	1	143.0	1.50	3.0	643	
Steps	2	8.0	4.0	1.0	64	
Total C. ft.					2927	29.27

J.N.
21.12.94

W. [illegible]
Ag. Divl. Supt. of Colbo
27/1/95

2997 K
2
22 MAR 95
SECOND CIRCLE

SUPDT
4/692 K
19 JUN 95
P.W.D.
SECOND CIRCLE

S. E. ENGINEER
No. 981 K
3
25 JUL 95
P.W.D.
SECOND

R.S.2 3
~~576/95~~
6583/56

1895
Jud Dept
Docket No 10
To
No 2813

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closure No. 17 to letter No. 3395 dated 7th June 1895 from the Inspector General of Police

Abstract estimate for dismantling old Office room.

uantity	Description of work.	Rate			per	Amount	Total
		Rs	as	P.		Rupees.	
5.72	Dismantling the roof.	1	.	.	100 sft	6.	
29.27	Do. the brick in mud walls.	.	12	.	100 cft	22	
	Net amount of Rupees.						28

P.N.
21.12.94

W. Macartney.
Ag. Dist. Supdt. of Police
27/1/95

SUPDG. ENGINEER'S OFFICE
No. 3/6721
19 JUN. 95
P.W.D.
SECOND CIRCLE

SUPDG. ENGINEER'S OFFICE
No. 281
25 JUL. 95
P.W.D.
SECOND CIRCLE

O2 Ows. 42
5 ~~5161/95~~
6 6543/56

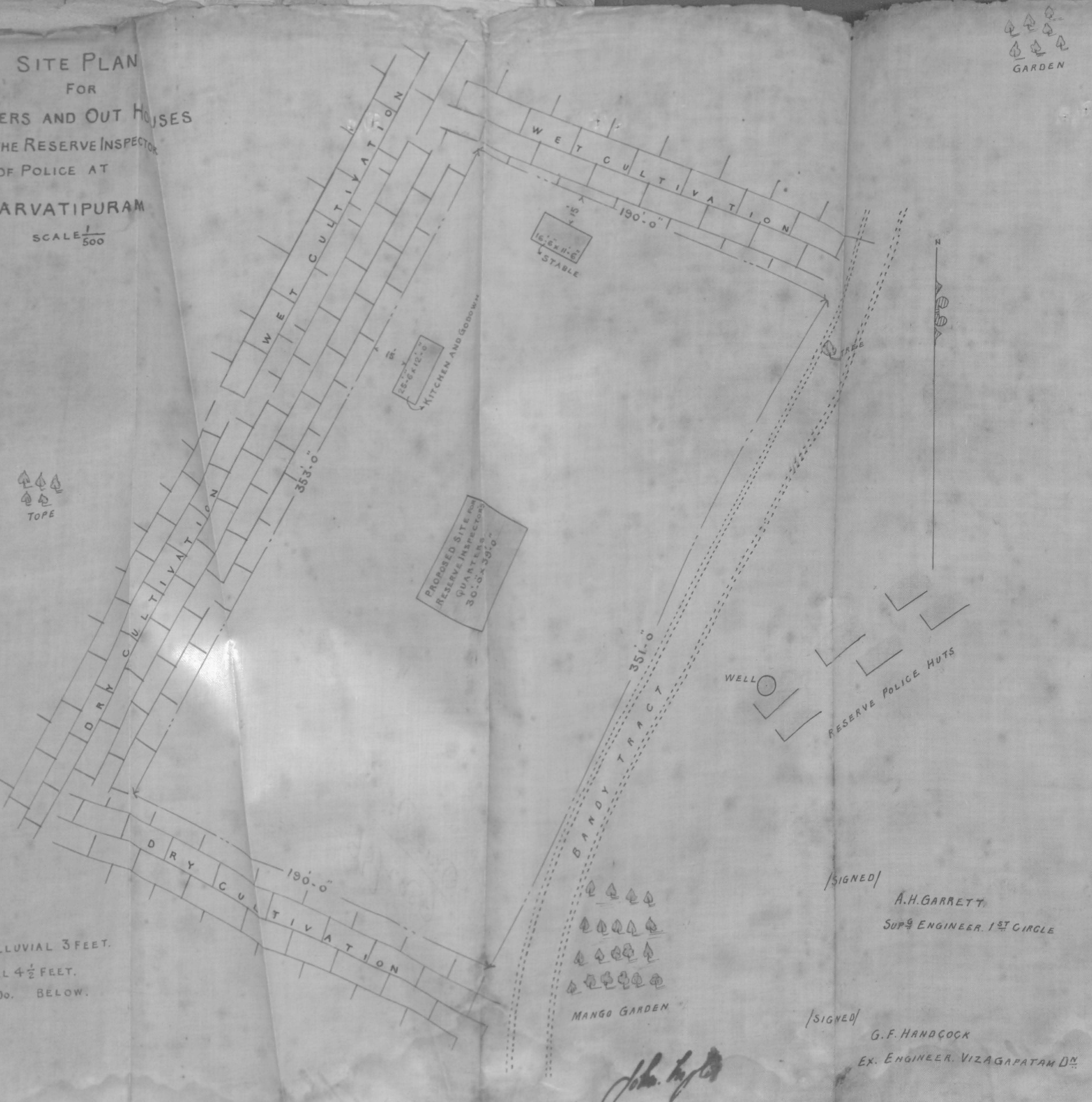
1895
Jud Dept.
Enclos: No. 11
To
C. No. 2813.

19

SITE PLAN
FOR
QUARTERS AND OUT HOUSES
FOR THE RESERVE INSPECTOR
OF POLICE AT

PARVATIPURAM

SCALE $\frac{1}{500}$



SURFACE SOIL. ALLUVIAL 3 FEET.
SUB-SOIL. GRAVEL 4½ FEET.
HARD DO. BELOW.

/SIGNED/
A. H. GARRETT
SUPG ENGINEER. 1ST CIRCLE

/SIGNED/
G. F. HANDCOCK
EX. ENGINEER. VIZAGAPATAM DN.

(TRUE COPY)
Executive Engineer
~~for~~ SUPERINTENDING ENGINEER
FIRST CIRCLE
24.7.96

93/2089
8.3.20

10-7-32 KD

Ow

754-5 W
15-3-97

C. No 1831 C.

AC

This file can now soon be forwarded to be sent to the Ch. Secy for C.I.

Cz
1-3-97

Dw

This is one of the three estimates for Police lines which have been recently under consideration, & on which I am now drafting a disposal.

On coming to the estimate for the lines at Masulipatam, I find that Sergeant Conswell, when scrutinising the estimate in Nov. last, altered the measurements of doors & windows to interior dimensions.

Since then, appendix G. Standard Specification has been cancelled, & outside dimensions are now prescribed by Circular No 4610 C of 4.12.96.

Apparently the estimate must again be altered to exterior dimensions. For orders whether I may be told to do this.

Meanwhile I am keeping back the estimates for lines at Malappuram & Coimbatore.

Cz
23.2.97

Please [illegible]

The [illegible] to former figures - other alterations made by Lieut. Conswell must be [illegible] good - [illegible]

Subg/ The estimates for converting old sub-jail buildings at Malappuram into Police lines &c. – has been altered. The amounts are as follows:–

Converting old Hospital into Inspr's quarters & outhouses	Rs	2,030
Converting condemned cells for ~~into~~ 2 native Hd. Constables & 2 constables	"	620
Dismantling old office &c.		50
Total	Rs	2,700

24.2.97.

Cir 5235

Ord

In order, with refce to para 2 of G.O. No 981 Judl. 28.6.96, & to J's note.

The sanction of the G. of I. will be needed to that portion of the estimate which relates to the Inspr's quarters & the block for two European Constables –

Taking the reduced figures suggested by J, the Inspr's quarters with out houses, will cost Rs 5000, & the rent on this figure, according to Code rules, will be Rs 34 per mensem (nearly) –

I have ascertained from the Police Inspr Genl's office that the appt. at Malapuram is not restricted to a 1st Class Inspr, & that an Inspr of any class may be posted to the charge – (The present Inspr is a 3rd Class man) – The four classes of Insprs draw Rs 200, 150, 100 & 70 – The mean of

reduced figure be accepted, the cost of one set of quarters will be Rs 4170 – The rent on this figure, according to Code rules, will be about Rs 28 per mensem –

There are 4 grades of European Hd Constables, on Rs. 50, 40, 35 & 30 – 8 per cent of the mean of ~~the~~ highest & lowest grades (Rs 40) is 3.2 – The estimate is thus nearly 9 times the Code limit –

The cost of a Hd Constable's quarters is very little below that proposed for the Inspr, notwithstanding the greater disparity in pay –

Apparently a considerable reduction must be made in the scale of accommodation proposed for these subordinates –

J appears to be unable to suggest any reduction in the estimate for police & buglers' huts.

Cu
10.7.96.

The trifling reduction of Rs 800, or a little more than 2 per cent of the estimate, which can be effected by building with inferior materials is, I consider, out of the question. The only thing to be done is to reduce the accommodation. A reference to the design for the Parvatipuram quarters may enable us to do that. If after comparing designs it is found that a saving can be effected by adhering to the Parvatipuram design the Judicial Department may be informed accordingly. I shall look into the matter & report.

CWBH
18.7.96.

the highest & lowest classes is Rs 135, & 8 per cent of this is Rs 10.8 – The normal rate of rent is thus nearly over 3 times eight per cent of salary.

Quarters for Depy were recently sanctioned at Rajahmundry & Parvatipuram, in the I circle, at a cost of Rs 2945 & 1800 respectively. Both these cases had to go up to India & in sanctioning them, the G of I. asked for explanation as to the high cost of the Rajahmundry quarters as compared with the estimate for Parvatipuram. The present estimate for the proposed Malapuram quarters, as framed by the S.E., is nearly three times the cost of the Parvatipuram building.

The block of quarters for 2 European Head Constables, without offices, is estimated to cost Rs 8790. I suggest that the amount be reduced to Rs 8340. If the

It will therefore still be necessary to obtain Sanction of India for the construction, and considering the small amount of Saving, and the unsuitability of the Parvatipuram design for the occupation of a European Inspector in so wet a district as the West Coast, it is submitted that it would be as well to adhere to the Plan and Estimate as originally submitted.

II. With respect to the Quarters for the European Head Constables it is obviously impossible to construct suitable Quarters, within so low a rental as that admissible viz. Rs 3/2/. which when capitalized represent only Rs 500 – It is suggested therefore that the plans now submitted, which are in accordance with those approved in GO. 1518.W. dt. 7 June 1893. (put-up herewith). be submitted for sanction.

JWL
16.10.96

DW

This subject perhaps await C's reply to the reference connected with the Coimbatore Police lines (Current file) –

In the case of the Tanjore Police lines, sanctioned in the G.O. of June 93, the question as to rental value of Euro. Hd Constables' quarters was not raised, & the Exr raised no audit objection –

17/10/96 Cu

N.B.

Plan and Estimate for Police Inspector's Qrs. at Malapuram, in the design of the Parvitipuram Qrs. is submitted herewith. As no saving would be effected by adopting the plan of Outhouses at Parvitipuram which are in 2 separate blocks, the original design for outhouses at Malapuram in 1 block is adhered to.

The total saving effected is Rs 1890 representing a trifle less than 5 % on the total Estimate which would be Rs 1902.

If the Parvitipuram design is adopted, the total cost for the Inspector's Qrs. will be

Quarters.	2320
Outhouses.	790
	Rs. 3110
Add 10% for Tools Establishment & Plant =	311
Total capital outlay.	3421

Rental value

= 4 % on Outlay to cover Interest =	136.84
3% ——— Repairs .	102.63
10% on Repairs =	10.26
Total yearly Rental =	249.73

or monthly Rs 20.81 or say Rs 21. which is just double the amount admissible as calculated on the average salary of the several grades of Inspectors, see S.A.W.'s note. –

P.T.O

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the highest & lowest classes is Rs 135, & 8 per cent of this is Rs 10.8 – The normal rate of rent is thus [illegible] over 3 times eight per cent of salary.

Quarters for Inspr were recently sanctioned at Rajahmundry & Parvatipuram, in the I Circle, at a cost of Rs 2945 & 1900 respectively – Both these cases had to go up to India, & in sanctioning them, the G of I asked for explanation as to the high cost of the Rajahmundry quarters as compared with the estimate for Parvatipuram. The present estimate for the proposed Malapuram quarters, as framed by the S.E., is nearly three times the cost of the Parvatipuram building.

The block of quarters for 2 European Head Constables, with out offices, is estimated to cost Rs 8790 – I suggest that the amount be reduced to Rs 8340 – If the

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[G/71.]
1, 21-8-95.

For Judl

C. No. 1420/97

MEMORANDUM.

Requested for reference the under-mentioned papers:—

Original of G.O. No. 754.W, dated 15th March 97.

Chief Secretariat,
12th April 1897.

A. Francis
Under-Secretary.

AJ.

To

The Under Secretary, D.P.W.