Public Works (1898) Department.

G.O., No. 1595 W

DATED 27 June 98

[Despatch Abstract.]

Duggonda Dispensary: Considering that the _____ need no longer be maintained, allowing a travelling Hospital Visit to the Par. Dept in the Kurnool Dt, with head Quarters at Bezwada and Underskirting on the Observing that detailed plans & estimates for the three Dispensaries proposed in the Kistna Dt. Stores Dept have been prepared without prior clearing the approval of Govt to the Construction of the buildings.

[P. W. 36. 1000—12-8-98.]

Indexed.

Dtd 8/6

BACK PAPERS.

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 {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*

Regd. *Spare copies*

G.O., No. 1595 W., 27th June 1898.

JUNE.

Duggirala Dispensary

Considering that the — need no longer be maintained, allowing a travelling hospital assistant for the Public Works Department in the Kistna district, with head quarters at Bezwada, and observing that detailed plans and estimates for the three dispensaries proposed for the Kistna district should not have been prepared without first obtaining the approval of Government to the construction of the buildings.

500—24-3-03.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From the Surgeon-General, dated 27th July 1897, No. T2/257.
" Superintending Engineer, II Circle, dated 16th December 1897, No. 2587/K.W.
" Accountant-General, dated 18th May 1898, No. 1951.
" Public Department, dated 27th May 1898, No. 1218.

Order—No. 1595 W., dated 27th June 1898.

In reviewing the annual report on civil hospitals and dispensaries, 1894, Government called upon the Surgeon-General to report why the Duggirala dispensary, in the Kistna district, should not be maintained from local funds. The Surgeon-General accordingly submitted a report in May 1896. He stated that the dispensary, which had been opened in 1879, was maintained entirely for the Public Works Department employés engaged on canal and irrigation works, and that the building now used as a dispensary was the old Divisional office which was handed over by the Public Works Department for use as a dispensary in 1884, the hospital assistant using one of the rooms as his quarters. The Surgeon-General considered that it was absolutely necessary that a dispensary should be maintained for the men employed in those works, and that it was most advisable that it should remain on its present footing whether situated at Duggirala or elsewhere. The Surgeon-General stated that the average number of coolies employed daily during the three months in which canals were closed could not be less than 4,000, while during the irrigation season it amounted to 750, and considered it evident that it would be dangerous to have the control of the medical arrangement in any other hands than those of the officers of the Public Works Department on the spot.

2. As regards the amount spent on the yearly upkeep of the dispensary and the work it accomplishes, the Surgeon-General stated that he was decidedly of opinion that the outlay on it was not excessive, as out of a total expenditure of Rs. 1,427-9-0, Rs. 852 goes towards the pay of the hospital assistant.

3. The District Medical and Sanitary Officer who had been asked by the Surgeon-General to report on the subject was apparently of opinion that it was useless to maintain the dispensary in question, and he consequently made certain suggestions for providing two travelling hospital assistants to carry medical aid to the Public Works Department employés. The Surgeon-General did not concur in these proposals. As, however, they had been referred to the Public Works Department for opinion, Government directed him to submit matured proposals on the subject after considering the replies of the Public Works Department. These proposals are embodied in the Surgeon-General's letter No. 257, dated 27th July 1897. The object in setting on foot the present enquiry was to reduce the Government outlay on dispensaries. The Surgeon-General, however, proposes, instead of one dispensary, to have three Government medical institutions. The Superintending Engineer, II Circle, asks for a Public Works Department dispensary at Bezwada, Kistna Northern Division (evidently in

place of that at Duggirala); Virauki, Kistna Eastern Division; and Jagerlamudi, Kistna Western Division. He states that considering the extensive work carried out by the Public Works Department in the district, the dispensaries appear very necessary. It is proposed that three new buildings, together with quarters for hospital assistants, should be constructed. The total cost of constructing them amounts, according to the Superintending Engineer's estimates, to Rs. 51,700. The Surgeon-General submits the plans and estimates for the buildings at one station, viz., Bezwada.

4. The Surgeon-General submits also, in paragraph 6 of his letter, details of the establishment and equipment which he considers necessary for the proposed dispensaries. These would cost Government a total expenditure of Rs. 5,550 per annum. In addition to these proposals, the Surgeon-General considers that there should be three Sanitary Inspectors to inspect daily the encampments of the Public Works coolies at an annual cost of Rs. 2,352. The details are given in paragraph 7.

5. His Excellency the Governor in Council considers that these proposals are entirely unnecessary, and further that the Duggirala dispensary need no longer be maintained. The Public Works Department in the Kistna district will be allowed a hospital assistant, with a medicine chest, in accordance with paragraph 67, Chapter IV, Volume I, Public Works Code, and the head-quarters of this subordinate will be at Bezwada. His pay will as heretofore be met from the Public Works budget and his duties will be to proceed to any part of the Kistna district where his services may be required for attendance on Public Works Department employés.

6. The attention of the Superintending Engineer, II Circle, and of all other Superintending Engineers is drawn to G.O., No. 2806 W., dated 7th October 1892. Much time and labour would have been saved if the preparation of detailed plans and estimates, for the three dispensaries proposed by the Superintending Engineer, II Circle, had been deferred until the approval of Government to the construction of the buildings had been obtained.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, II Circle.
" other Superintending Engineers.
" the Examiner, Public Works Accounts.
" the Public Department.

Exd. Shaik Karim.

[P. W. 4. 500—24-8-98.]

P.W. DEPARTMENT.

Papers to be read in Proceedings :—

Again G.O., dated 189 , No.

Again G.O., dated 189 , No.

Pub. Current No. 2790 of 1897, dated 27th July 1897 from the Surgeon-General

P.W. " " 12595 " 1897, " 20th Decr. 1897, " the S.E., II Circle.

Pub. " " 1738 " 1898, " 18th May 1898 , , the Accountant-General No 1951

P.W. " " 4645 " 1898 " 1st June 1898 , , the Public Department.

ORDER.

No. 1595 W dy 27.6.98

In reviewing the annual report on Civil Hospitals and Dispensaries 1894, Government called upon the Surgeon-General to report why the Dugirala Dispensary, in the Kistna District, should not be maintained from local funds. The Surgeon-General accordingly submitted a report in May 1896. He stated that the dispensary, which had been opened in 1870, was maintained entirely for the Public Works Department employes engaged on canal and irrigation works, and that the building now used as a dispensary was the old divisional office which was handed over by the Public Works Department for use as a dispensary in 1884, the Hospital Assistant using one of the rooms as his quarters. The Surgeon-General considered that it was absolutely necessary that

that a dispensary should be maintained for the men employed in those works, and that it was most advisable that it should remain on its present footing whether situated at Duggirala or elsewhere. The Surgeon-General stated that the average number of coolies employed daily during the three months in which canals were closed could not be less than 4000, while during the irrigation season it amounted to 750, and considered it evident that it would be dangerous to have the control of the medical arrangement in any other hands than those of the officers of the P.W.D. on the spot.

2. As regards the amount spent on the yearly upkeep of the dispensary and the work it accomplishes, the Surgeon General stated that he was decidedly of opinion that the outlay on it was not excessive, as out of a total expenditure of Rs. 1,427-9-0, Rs. 852 goes towards the pay of the Hospital Assistant. ~~The Surgeon General's letter goes on "Though the daily attendance is only 0.02 yet the total treated amounts to 8,620, including 651 cases of malarial fever, and if for convenience of reckoning the daily attendance is set down at 10, it will be seen at a glance that they are nearly all fresh patients that are attended daily, so that evidently a continuous run of minor ailments has to be seen to by the medical subordinate.". This argument is founded on a fallacy. 8620 is 0.02 x 365, so that the total treated" evidently means not as the Surgeon General thinks "total number of different individuals treated" but "total of the daily attendances"~~

3. The District Medical and Sanitary officer who had been asked by the Surgeon General to report on the subject was apparently of opinion that it was useless to maintain the dispensary in question, and he consequently made certain suggestions for providing two travelling hospital assistants to carry medical aid to the P.W.D. employes. The Surgeon General did not concur in these proposals. As however they had been referred to the P.W.D. for opinion, Govt. directed him to submit matured proposals on the subject after considering the replies of the P.W.D. These proposals are embodied in the Surgeon General's letter No. 257 dated 27th July 1897. The object in setting on foot the present enquiry was to reduce the Govt. outlay on dispensaries. The Surgeon General however proposes, instead

Flag H

dispensary, Kotharu

instead of one, three Govt. medical institutions. The Suptg. Engineer, II Circle, asks for a P.W. Dept. dispensary at Bezvada, -Kistna Northern Division (evidently in place of that at Duggirala); Viraundi, -Kistna Eastern Division; and Jagerlamudi, -Kistna Western Division. He states that considering the extensive work carried out by the P.W.D. in the District, the dispensaries appear very necessary. It is proposed that three new buildings, together with quarters for Hospital Assistants, should be constructed. The total cost of constructing them amounts, according to the Suptg. Engineer's estimates, to Rs. ~~51,700~~ 51,700.

The Surgeon General submits the plans and estimates for the buildings at one station, Viz., Bezwada.

4. The Surgeon General submits also, in para 6 of his letter, details of the establishment and equipment which he considers necessary for the proposed dispensaries. These would cost Govt. a total expenditure of Rs. 5,550 per annum. In addition to these proposals, the Surgeon General considers that there should be three Sanitary Inspectors to inspect daily the encampments of the Public Works coolies at an annual cost of Rs. 2,352. The details are given in para 7.

5. His Excellency the Governor in Council considers that these proposals are entirely unnecessary, and further that the Duggirala dispensary need no longer be maintained. The P.W. Dept. in the Kistna District will be allowed a Hospital Assistant, with a ~~medicinal~~ medicine chest, in accordance with para 67, Chapter IV, Volume I, P.W. Code, and the head quarters of this subordinate will be at Bezwada. His pay will as heretofore be met from the P.W. Budget.

The attention of the S.E. II Circle, & of all other S.E.s, is drawn to G.O. No 2806 W, dated 7 Oct. 1892. Much time & labour would be saved if the preparation of detailed plans and estimate, for the 3 dispensaries proposed by the S.E. II Circle, had been deferred until the approval of Govt. to the construction of the buildings had been obtained. AdK 17.6.

The S.E., II Circle.
" Examiner, P.W. Accounts.
" Public Dept.

AdK 17.6.98.

to proceed to any part of the Kistna District where his services may be required in attendance on P.W.D. employés.

Sir, 18/6/98.

20.6.98

[G/72]
2,000—26-11-96.

Public Dep.
P. W. Current No:

OFFICE NOTE No. 1218.

Dated 21st May 1898.

Encls 2 files.

From Genl Staff Aden: 1-6-98

THE CHIEF SECRETARY,

To

THE SECRETARY Public Works DEPARTMENT.

The undersigned has the honour to transfer for disposal a file of papers regarding the provision of medical aid for the Public Works Department in Kistna and to enclose a letter as noted in the margin from the Honble Sir Henry Bliss dated 1st 1898.

A Arundel
Chief Secretary

54 Cal/30-3-98
746 Cal/21-3-98
4361 C.d/28-10-97
2102 W.d/18-7-96
1692 W.d/25-6-97

O.W.D
Chr.
Rd 27-5-98

Public (1898) Department.

CURRENT No. 1738

CHIEF SECRETARY
21. MAY. 1898
GOVERNMENT OF MADRAS

Hm.

From

The Accountant General,
Madras.

for Orders

Hm
25.5.98

No. 1951.

Dated 18th May '98.
Received 21. " "
Registered
Enclosures —
Spare copies —

SUBJECT.

Stating with remarks that
of maintenance of a dispensary
use of the labourers employ
Deptt: should be treated as
Charge.

39

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Revenue No. 1738.

Treasury Account DEPARTMENT.

FORT ST. GEORGE,
Accountant-General's Office,
18th May 1898.

No. 1951

From Y. Hesketh Bigge Esqre.
ACCOUNTANT-GENERAL TO THE
GOVERNMENT OF MADRAS,

To THE Chief Secretary to Government,
Public Department.

SIR,

B

With reference to your Memo: No. 1045 dated the 4th of May 1898 enquiring whether the cost of maintenance of a Dispensary for the use of the labourers employed by the Public Works Department is a charge which properly falls under "Establishment" and should be met from Provincial Funds or whether special provision should be made for it, I have the honour to invite attention to Article 67 Chapter IV of the Public Works Code which rules that Medical Subordinates should be treated as part of the Public Works Establishment and furnished with medicine at the public expense wherever any large body of workmen is collected together. The charge on this account should therefore be treated as a Public Works Department charge.

I have the honour to be,
Sir,
Your Most Obedient Servant,

Accountant General

Public Works (1897) Department.

CURRENT No. 12596

From The Supdg Engineer
to Circle

Order

No. 258/KW

Dated 16 December 1897
Received
Registered 20.12.97
Enclosures
Spare copies

SUBJECT.

P. W. Dispensary &
Dufferin A. Report
in Connection with the
necessity for the main-
tenance and location
of the ———

OLS184
B27/6

BACK PAPERS.

No.	Date.
4361C	28-10-97 ✓
& Pub. Dept file (CN=27 for file)	✓
2102W	18-7-96 ✓
Public Dept file	
606	10-1-96 ✓
746-7	7-9-95 ✓
802	26-9-55 ✓
386	5-4-97 ✓
639	17-6-56 ✓
775	31-7-56 ✓
1274	4-12-56 ✓
27	13-1-57 ✓
278	16-3-57 ✓
963	17-7-57 ✓
R.№658	4-6-57 ✓
526	7-5-97 ✓

FURTHER PAPERS.

No.	Date.

Copy of a letter № 2885 dated 22nd Nov 97.
From W. Edwards Esq
Executive Engineer, Kistna Western
Division, to the Superintending Engineer
II Circle

Reference: His № 2157. KWS dated 9-11-97.

I have the honor to report that I take it that the Surgeon General's letter under reference may be considered as proof that it is necessary that a hospital Assistant should be at the disposal of the Public Works Department in the Kistna Western Delta.

2. The only question that needs consideration therefore is the best situation of his head Quarters.

3. As the Hospital Assistant is to be available for immediate despatch on the outbreak of Cholera he should not be considered in the distribution of dispensaries in the neighbourhood.

4. At present at Duggirala he occupies the old Division office a nondescript building but giving ample accomodation for the man and his family and a large dispensary room and a verandah

5

5. It was lately suggested that his station should be removed to Jagarlamudi but this would entail the building of quarters at a cost of Rs 2500/- at least and some dispensary which would cost at least another Rs 1500/-. Mr Malet said possibly an European Subordinate might be posted there in the future which I do not myself think is likely.

6. Duggirala is 13 miles from Bezwada and 14 from Guntur and 7 from Tenali and is the centre of all the Canal boat traffic of the Delta and is consequently a very good point for inspection of boats and travellers in times of epidemics and is also on the line of Railway which runs right through the Delta so that the Hospital assistant can most easily move to points where he is wanted. Jagarlamudi is only 5 miles from Tenali, 9 from Guntur and is 5 miles from the Kuali station on the B. N. Ry. and Consequently I consider Duggirala is most central station and most useful Head Quarters for Hospital Assistant.

A.

Office of the Supdg: Engineer
II Circle
Bezwada 16-12-97.

No 2587 KW
16.12.97

Forwarded to the Chief Engineer Public Works Department with reference to his No 4361-C dated 28 October 97.

2. The undersigned agrees with the Executive Engineer and Mr De Morgan has left a note to the same effect: Duggirala is central, and as there is ample accommodation there, the question of building quarters will not arise.

3. The cost of maintenance of the D.P.W Despensary at Duggirala should be debited to Provincial-

Executive Engineer 14.12.97
for Superintending Engineer
II Circle.

14/12/97

during

Sup C 6-9-97 Sup 27.9.97
R 7-9-97, R 2-9-97

[G. 25]
500—17-5-97.

Public DEPARTMENT.

C. No. 3790

Plans Sent Separately

~~H. E. THE GOVERNOR.~~
THE HON'BLE ~~MR.~~ Sir Henry BLISS, K.C.I.E.
~~THE HON'BLE MR. GROSE, C.I.E.~~

SUBJECT

Construction of three dispensaries and Hospital Assistants' quarters in the Kistna District.

Cancelled by H. E. the Governor as the closing of the Dispensary and (Mr. P.W.D.) is involved.
AK.
24/9/97.

FOR ORDERS.

In reviewing the annual report on Civil Hospitals and Dispensaries for 1894, Government called upon the Surgeon-General to report why the Duggirala Dispensary in the Kistna District should not be maintained from local funds. The Surgeon General accordingly submitted a report in May 1895. He stated that the Dispensary which had been opened in 1879, was maintained entirely for the Public Works Department employés engaged on canal and irrigation works, ~~the~~ which the building now used as a dispensary ~~was~~ was the old divisional office which was handed over by the Public Works Department for use as a dispensary in 1884, the Hospital Assistant using one of the rooms as his quarters. The Surgeon-General considered that it was absolutely necessary that a dispensary should be maintained for the men employed in those works and that it was most advisable that it should remain on its present footing whether situated at Duggirala or elsewhere. The Surgeon General stated that the average number of coolies employed daily during

Para 5 of G.O. 746 Pub. d/ 7-9-1895. A

Vide G.O. No. 606, Pub. d/ 10-6-1896. B

These proposals are more ~~still~~ than usually preposterous, even for the S. E. — How far the P.W.D. is to blame in the matter, it is difficult to say exactly, in the absence of the correspondence which has passed between the S. E. & the Supt. Engr. — ~~It~~ There is however an order in existence (at least I think so) prohibiting the preparation of plans & estimates by the P.W.D. for works thought likely to cost more than Rs 500 without the sanction of Govt. — If this order had been obeyed the waste of time & labour which has occurred in the preparation of these plans and estimates would have been saved. This is a matter which should be gone into by

during the three months in which canals were closed could not be less than 4,000, while during the irrigation season it amounted to 750, and considered it evident that it would be dangerous to have the control of the medical arrangements in any other hands than those of the officers of the P.W.D. on the spot.

2- As regards the amount spent on the yearly upkeep of the dispensary and the work it accomplishes, the Surgeon General stated that he was decidedly of opinion that the outlay on it was not excessive, as out of a total expenditure of Rs. 1,487 - 9 - 0, Rs. 352 goes towards the pay of the Hospital Assistant. The Surgeon General's letter goes on "Though the daily attendance is only 9.92 yet the total treated amounts to 3620, including 651 cases of malarial fever, and that if for convenience of reckoning the daily attendance is set down at 10, it will be seen at a glance that they are nearly all fresh patients that are attended daily, so that evidently a continuous run of minor ailments has to be seen to by the medical subordinate." This argument is founded on a fallacy - 3620 is 9.92 × 365, so that the "total treated" evidently means not as the Surgeon General thinks "total number of different individuals treated" but "total of the daily attendances."

3 The District Medical and Sanitary Officer who had been asked by the Surg. Genl. to report on the subject was

the P.W.D. - Ask the S.G. no words can be too strong for this behaviour. He called upon reports as to a saving & makes proposals for expenditure which he must know to be entirely opposed to the views of Govt as well as altogether unnecessary. Inquire what are the facts as to the Duggirala dispensary? In his report (in G.O. 746 / 7.9.95) the S.G. states it was established in 1885. In a later letter (in G.O. 606 / 10.6.96) he says it has been in existence since the beginning of 1879 without attempting to explain the discrepancy - very likely Bank is the S.G.'s informant, neither statement is correct, but taking 1879 as the date of the Estt. of the dispensary I find from the table at p. 109 of the report reviewed in G.O. 746 / 7.9.95 that nearly half of the 23 dispensaries in the Kistna district in 1894 were started later than 1879, among them that at Tenali which is close to Duggirala and was started in 1889 - if 1885 is the correct date, there were then in the whole of the Kistna district only 3 dispensaries, even if, which is not certain, the Bezwada & Masulipatam dispensaries were started before that year. It is therefore easy to understand why (as in 1885 or 1879, as it may be) a special dispensary was necessary at Duggirala - but it does not follow that it is so now. There is a dispensary at Tenali close on one side, and another at Bezwada, close on the other side (& excepting of the Sitanagaram [Bridge] dispensary which have been closed since 1894) - I am inclined to allow a dispensary specially

three dispensaries (the S.G. now proposes) in how many more places will not the P.W.D. demand dispensaries? These presumably in S.G.'s charge with - It is quite impossible to comply with such demands. I should order the Duggirala dispensary to be discontinued. If it is necessary for any reason on account of the Canal works — though why it should be I don't know — the Canal works must provide first, that is, it must be paid for by the P.W.D. from Irrigation funds.

HS
6/9/97

(Delayed pending search for the orders referred to in H.M. at (X), since found & flagged Q.)

I would suggest that, before orders are passed, the papers be sent to the D.P.W. for notes on the following points:

(1) as to the necessity for a dispensary at all at Duggirala, and

(2) as to the heading to which it will, if it be necessary, - should be debited.

A.S.H
1.10.97

was apparently of opinion that it was useless to maintain the dispensary in question and consequently made certain suggestions for providing two travelling hospital assistants to carry medical aid to the P.W.D. employés. The Surg. Genl. did not concur in these proposals. As however they had been referred to the P.W.D. for opinion, Govt. directed him to submit matured proposals on the subject after considering the replies of the P.W.D. These proposals are embodied in the Surgeon Genl's letter no 257 of 27 August 97 [the present current.] The object in setting on foot the present enquiry was to reduce the Govt. outlay on dispensaries. The current however proposes, instead of one, three Govt. medical institutions. The Superintending Engineer, II Circle, asks for a Public Works Dept. dispensary, ~~one at each of the stations noted below~~, - at Bezwada - Kistna Northern Division (evidently in place of that at Duggirala); Virauki - Kistna Eastern Division; and Jagerlamudi - Kistna Western Division. He states that considering the extensive work carried out by the P.W.D. in the District, the dispensaries appear very necessary. It is proposed that three new buildings should together with quarters for hospital Assistants should be constructed. The total cost of constructing them amounts, according to the Superintending Engineer's estimates, to Rs. 31,700. The Surg. Genl. submits the plans and estimates for the buildings at (only) one station, Viz. Bezwada.

The

The Surg. Genl. submits also in para 6 of his letter details of the establishment and equipment which he considers necessary for the proposed dispensaries. These would cost Govt. a total expenditure of Rs. Rs.5,350 per annum. In addition to these proposals, the Surg. Genl. considers that there should be three Sanitary Inspectors to inspect daily the encampments of the Public Works coolies at an annual cost of Rs. 2,352. The details are given in para 7.

The estimated cost of the hospital at Begunda Dispensary is Rs 9880, & that of the Hosp. Assts Quarters 3820. The latter estimate contains all the items which H.E. objected in the papers in G.O. No 963 d. 17/7/97, and the F dispensary plans are equally extravagant. As funds are almost certainly not available the estimates have not been discussed in detail.

The use of the expression "standard plan" at P. for a plan which has not received the sanction of Govt has delayed the file while enquiries were made. The use of the expression has now been forbidden. (G.O. No 526 Pub. d 7-5-97) H

C. No.

H. E. THE GOVERNOR.
THE HON'BLE MR. BLISS, C.I.E.
THE HON'BLE MR. GROSE, C.I.E.

SUBJECT

FOR ORDERS.

I think the proposals of the S. G. most astounding. In his letter no G.O No 656 dated June 15th 1896 (wrongly shown as July 15th in the Current) he suggests that the dispensary at Begunda should be maintained there or elsewhere and that a Sanitary Insp. should be employed for the P.W.D. Camps. He refers to some proposals made by the D. Med & Sanit. Officer which have no reference to new dispensaries but rather to the closing of that which exists at Begunda & the substitution of itinerant Med. Subordinates.

The S.G. was thereupon requested to submit matured proposals after considering the replies of the D.Ms Officers or the D.Ms & S. Officers suggestions.

The result is the calm proposal to construct three new dispensaries to furnish them and further to appoint three Sanitary Inspectors and nine peons to look after the

the D.W.D camps - not a word
is said as to why the D.M.S. Offrs
proposals. The S.G has swallowed
the D.W.D scheme both and hook
& has opened his mouth bar
doing so on the most liberal terms.
The existing dispensary costs Rs 1427
per annum and now it is proposed
to incur a capital outlay
for the erection of the Rs 57600
cost of Rs. 57700 with a
recurring annual charge on
the same account of Rs. 6400.
The total amount which he
suggests for expenditure is
the huge sum of Rs 57600.
What Govt. expected of him
was proposals for doing away
with the charge incurred from
Provincial funds on account
of the Byculla dispensary and
instead of attempting to frame
anything of the sort or devise
a cheaper scheme the S.G.
coolly throws at the head of
Govt. proposals for enormously
increased expenditure.
Had the two will have none of them
I have not a shadow of a doubt
so I consider it mere waste
of time & attempt to go into
them but I must point out
the estimates I may observe
that they are on the most magnificent

[illegible] and allow

[G. 25]
500—17-5-07.

..... DEPARTMENT.

C. No. .....

H. E. THE GOVERNOR.
THE HON'BLE MR. BLISS, C.I.E.
THE HON'BLE MR. GROSE, C.I.E.

SUBJECT

FOR ORDERS.

Scale - everything pucca work, oak shine
floors, mangalore tile, lime ceilings
& teak wood throughout. The S.G
has condescended the D.S. without
apparently taking the trouble to look
through them.
Why on earth all these estimates
should have been drawn up
before the question of having
these dispensaries - which without
doubt would have been favourably
regarded - was settled I cannot
imagine. The time trouble and
money devoted to them has been
all thrown away, for the proposals
with which they are connected
are never likely to be sanctioned.
Instructions are requested as to
the orders which should issue.
The matter of the Byculla
Dispensary stands exactly the
same as it did when G.O.

No. 746 Rule dated 7th Sept. 1895
in which the S. of S. was called
upon to report why he should
not be transferred to the
local authorities was passed.

Lo
4/9/97.

[G. 25] 1,000—8-8-97.

Public DEPARTMENT.

C. No. 790

SECRETARIAT CHIEF S
31 MAR
GOVERNMENT OF MADRAS

~~H. E. THE GOVERNOR.~~
~~Lo 11/9~~
~~THE HON'BLE MR. BLISS, C.I.E.~~
~~THE HON'BLE MR. CROSE, C.I.E.~~

SUBJECT.
Construction of three Dispensaries & Hospl Asts' Quarters with Kodur District

FOR ORDERS.

Resubmitted with ref to H. E. the Governor's note dy 1.10.97

Lo 5.10.7 AK 5/10/97

File is forwarded to D.P.W. with reference to H.E's note.

S/B 9/10

D.P.W no

No 19544 dated 30th March 1898
The file is returned, with letter No 2537 K.W. dy 16.12.97 from the Surgt-Genl II circle, P.W. note for orders thereon, & order beg H. M. & His beg, & D.O. note.

Actg. Surgt-Genl to Govt.
Madras

+ also a telegram from the Surgt-Genl II circle, stating that there is no objection to the dispensary being at Bezwada

Cr

Cr

GOVERNMENT OF MADRAS.

Public Works Department,

~~Dotabamund~~ Chepauk,

4. 2 1894.

My Dear Sir,

With reference to the file about Duggirala Dispensary, I enclose an extract from a letter just recd by Murray from Ransom, which gives additional proof of the need for the Dispensary.

I hope it may be

Extract from a demi official letter dated 3 Feb. 1894 from Col. C.C. Ransom R.E. S.E. V Circle to L.B. Murray Esq. Esq. Dept. Chief Engr

There is a Hospital Assistant at Duggirallah, Kistna Western Division, with a Dispensary. He is paid by the P.W.D. I arrived at Duggirallah on the evening of 20th January having with me a Government peon down with cholera and much too ill to be moved. The Hospital Assistant did all he could, but the man died the next ~~morning~~ day. There is absolutely no place even of the most temporary nature at Duggirallah for the man to be taken to, and he had to remain in the boat until he died. I do not think that this is a sound arrangement. The canals at Duggirallah are ~~both~~ the fresh water and are used largely for drinking purposes. Being obliged to keep a man suffering from cholera in a boat on one of these canals seems likely to be the cause of spreading the disease throughout the Delta, but under present circumstances what is one to do.

True extract

L Bell

4.2.94

Camp: Canal.
22nd February 1898.

My dear Sir,

When His Excellency arrived at Bezwada, he seemed surprised at the absence of Europeans on the platform. After he had gone I learnt that the Railway authorities had at first wired that the train would not arrive until 8.30, though they altered this in a later telegram to 7.30. As the train got in before 7.15 the people were only beginning to assemble. The telegram as to your arrival at 8.30 was also the cause of dinner being so late. My cook had arranged for 8.30, accordingly, and found it impossible to hurry up the cooking of some parts of the dinner. You would notice that

P.W. DEPARTMENT.

[48/609]

C. No. 125-75 of 97

(2) HIS EXCELLENCY THE GOVERNOR.
(1) THE HON'BLE SIR HENRY BLISS, K.C.I.E.
~~THE HON'BLE MR. CROSE, C.I.E.~~

SUBJECT. P.W. Dispensary at Duggirala.

FOR ORDERS, with reference to the note by the Hon. member & his Excy. the Governor, on the proper flyleaf A.I.

The P.W. officers beg the question by assuming that a Hosp. Asstt. is required. This is what I dispute altogether - The approaching opening of the Railway makes the Duggirala dispensary less necessary than ever.

As to the source from which, if at all, it shd be maintained, can hardly say. The opinion of the A.S. will be required if the maintenance of the dispensary is determined on.

BS
25/1/98

We have not elicited a very decided opinion from the D.P.W. on the question whether or not this hospital-asst. is really needed. I will try and get more definite information when I am in the Kistna Dist. on tour, next month. The purpose should be quoted to me for that purpose.

A.H 28.1.98

Sufficient grounds appear to be advanced by the Executive Engineer for the retention of a P.W. dispensary, and for having it at Duggirala, but as regards the incidence of the charge, the Supdg. Engr. merely says that the cost should be debited to Provincial, without giving reasons in support of his opinion. Possibly it is because Imperial pays a contribution of 23 per cent on the cost of works towards establishment, and the Govt. of India will doubtless

consider that medical, as well as supervising, establishment should be provided from this source.

Yes AH

Cr

[illegible] 24.1.98

Enquiry was made into this matter during my recent tour, by Mr. Morris, the Collector of Kistna and by the Executive Engineer of the P.W.D. Taadepalle. I D.O. from Mr. Morris, dated 22 Feb., from which it appears that a Medical subordinate, to look after men employed by the Delta works is needed, and that his pay should be met from the 2½ p.c. on the cost of works, allowed for establishments. It is thought that, on the whole, this Medical subordinate would be better placed at Bezwada than at Dowleswaram or elsewhere, Mr. Morris thinks this officer should be retained under the proposal set forth at page 3 of the Surg. Genl's letter Ct. No. 1648, 13 May 1896.

In G.O. no 606 of 1896 flag Q

I do not understand that any further allotment is needed.

A.H 17.3.98

Private Secy 3-2-98 R 18-3-98.
[illegible] 23-3-98 31-1-98

[G. 25] 1,000 - 22-11-97

Public DEPARTMENT.

C. No. 2780

SUBJECT.

Dispensaries in the Kistna District

HIS EXCELLENCY THE GOVERNOR.
THE HON'BLE SIR HENRY BLISS, K.C.I.E.
THE HON'BLE MR. GROSE, C.I.E.

FOR ORDERS.

Submitted with reference to H.E. the Governor's note d. 17/3/98 (flag Z)

AK
13/4/98

If the P.W.D. want to send a man with a medicine chest during the working season to go where contract, and will pay for him, by all means let them have him - but I don't see that any dispensary or hospital is needed - from H.E.'s last note it seems that that demand is not now pressed. It is hardly worth while to ask questions about the Godavari - If such a man is wanted there, no doubt the P.W.D. will apply for one. It is rather significant that they have not done so as yet.

WD
15/4/98

As it is recognized that the Hosp. Asst. is wanted here to travel from place to place where Coolies are employed, & not as a stationary officer, it might be useful to ascertain whether a similar medical officer is employed in the Godaveri under the P.W.D. & where he is stationed. The actual amount of travelling done by both officers would show how far their services have been utilized.

AH 14.4.98

Public

Hble P.W.D kindly say, with reg^{rd} to the question discussed in this file, from what funds the cost of maintenance of the Duggirala dispensary is now met. It does not appear among the Government institutions included in the Budget under 24. Medical.

SK. 16/4/98

SA 18.4.98

I.O.P.W.D.
H.O.

The cost of maintenance of the dispensary at Duggirala is now met from the grant for 45. Provincial Civil Works.

21.4.98

Maj

Public

O.M. No. 1045 of 4-5-98

To the A.G.

The Accountant General is requested to be so good as to advise Govt, with refce to the provision for a medical subordinate for the Kistna Distt. in the preliminary issue of the Provl Civil works Budget estimate for 1898-99, whether the maintenance of a dispensary for the use of the Dist. labourers persons employed by the Pr.D. is a charge which properly falls under "Establishment", which should be met from Provincial funds. Establishments in this division do not include medical attendance, & this charge seem to be one for which should be specially provided for. Special provision should be made. JKr 29/4/15

JKr

Please see H.M's note at Z. The Duggirala dispensary is to be closed. But the inquiry seems necessary in connection with the Govt Hospl. Assist. who is to be allowed - vide H.M's note dt. 15/4/15. The Hospl. Assist. will be paid for from the same funds as the dispensary.

JKr

The Acct Genl ( ) accepd 4/5/98

JKA 2.5.98

Public (1897) Department.

CURRENT No. 2790

From

Surgeon-Major-General C. Sibthorpe,
C.B., F.R.C.P.I.
Surgeon-General with the
Government of Madras.

Order

No. 72/257

Dated 27th July 1897.

Received

Registered 28 7—97

Enclosures

Spare copies

SUBJECT.

Submitting with remarks certain plan and estimates received from the Superintending Engineer II Circle regarding the construction of a civil dispensary and Hospital Assistants' Quarters at Bezwada.

Sent to Mr Hensman on 5.8.97.

RC 24.8.97.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Data sheet to accompany the Estimate for Quarters to the Hospital Assistant and Civil Dispensary at Bezwada.

Quantity	Description of work.	Rate Per	Amount Total
	Mangalore tiled roofing per 100 Sft.		
160	Mangalore tiles	82-0 a 1000	13-2-0
	Add for ridge tiles Extra	10-0-0 Cent	1-6-0
1½ Cft	Teak wood peepers 2"x1"	2-0-0 Cft	3-0-0
2½ lbs	Peeper nails	0-2-6 lbs	0-6-3
1	Carpenter	0-10-6 Each	0-10-6
½	Brick layer	0-10-0 do	0-5-0
1	Cooly	0-4-0 do	0-4-0
	Cutting tiles, setting in Chunam	" "	0-9-0
	Fixing eves with galvanized screws	" "	0-6-0
	Sundries		0-5-9
	Total Rs		22-8-
	Pine Ceiling.		
200 Rft	Ceiling planks 6"x½"	5-0-0 100 Rft	10-0-0
2	Carpenters	0-10-0 each	1-4-0
13	Dozens of Screws 1½"	0-1-6 Doz	1-3-6
	Scafolding	" "	0-3-6
	Sundries	" "	0-5-0
	Total Rs		13-0-
	Total rate per 100 sft of Mangalore tiled roofing including teak peepers and pine Ceiling complete		35-8-

Flooring with Valde Iranes Asphaltte ¾" thick
on a bed of Concrete 4" thick (proportions Asphalt 6 1/3 Sand)

354 lbs	Valde Iranes Asphaltte	0-0-8	lbs	14-12-0	Dat
29 lbs	Mineral tar to be mixed with Asphaltte when melting before lamp oil and sand put in	0-2-2	Do	3-14-10	
3 lbs	Lamp oil to be used for the tools	0-2-6	Do	0-7-6	
14 lbs	Lamp oil to be mixed with Asphaltte	0-2-6	Do	2-3-0	
630 lbs or 7 Cft of	Screened sand	0-0-3	Cft	0-1-9	
25 Cft of	Fire wood	2-0-0	Cyd	1-13-5	
33 Cft of	Concrete 4" thick under Asphaltte	10-8-0	100 Cft	3-8-0	
2 2/3	Masons	0-9-0	Each	1-8-0	
4	Men Coolies	0-4-0	Do	1-0-0	
3	Women Coolies	0-2-0	Do	0-6-0	
3	Boys for breaking asphaltte + splitting wood &c	0-1-6	Do	0-4-6	
	Sundries			0-1-0	
			Total Rs for 100 Sft		30-0-0

Plastering with Portland Cement
½" thick (1 Cement to 2 Sand) per 100 Sft

230 lbs	Portland Cement	0-2-5	lbs	6-0-0	
460 or 2	Parrahs of sand	0-1-0	Parrah	0-2-0	
2	Brick layers	0-9-0	Each	1-2-0	
2	Boy Coolies	0-2-0	Do	0-4-0	
			Total Rs		7-8-0

SUPG. ENGINEERS OFFICE No. 4/8/4 5 JUN. 97 P.W.D. SECOND CIRCLE

SUPG. ENGINEERS OFFICE No. 5/7/3 P.W.D. SECOND CIRCLE

Copy

W. M.
Captain R.E.
19.4.97 Executive Engineer
Kistna Northern Division

ESTIMATE.

REPORT.

This Estimate was prepared in accordance with ~~letter No.~~ ~~dated~~ the standard Design and estimate printed with G. O. No. 1796 W. dated 19th July 1895.

The foundations have been altered to suit the soil and sub soil which consists of clayey loam for a depth of 12 feet. Sections of proposed foundations also accompany the Estimate

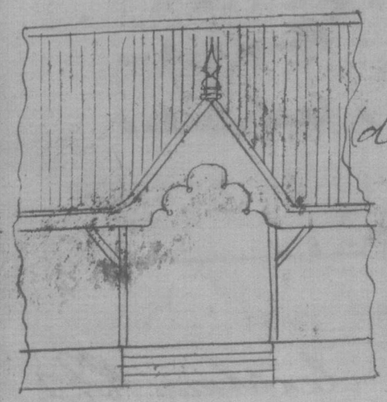
Standard design has been followed throughout with the following Exceptions.

(a) The thickness for the walls of 1'-1½" has been increased to 1'-6" and that of 9" to 1'-0" the masonry being Random Rubble.

(b) The roofing will consist of Mangalore tiles over teak wood reepers 2"×1". All the rooms and verandahs will be fitted with pine ceiling boards 6"×½".

(c.) Flooring will consist of Bezwada cut-stone on a bed of Concrete 6" thick including pointing.

(d) Wood Posts and a gable over the entrance has been provided for the front Verandah in place of masonry Verandah pillars so as to be in keeping with the Dispensary to be



be erected closeby.

Specification

The different kinds of works will be carried out in accordance with the Sandard Specification of Madras Presidency except where modified by the written order of the Executive Engineer.

W. H. Ellis
Captain R.E.
Executive Engineer
Kistna Northern Division

19/4/97

Compd

SUPD. ENGINEER'S OFFICE, No. 5 JUN. 97 P. W. D. SECOND CIRCLE.

1897 Pub. Dept. 2790

SUPD. ENGINEER'S OFFICE, No. 6/247 P. W. D. SECOND CIRCLE.

Constructing Quarters for a Civil Hospital Assestant at Bezwada.

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
Excavating foundations & filling in						
Wall round main building	1	82·0	8·0	6·0	3936	
Cross walls	1	5·5	8·0	6·0	264	
Rear Verandah wall	1	19·5	6·5	6·0	761	
Verandah gable walls in front & Rear	4	7·75	8·0	6·0	1488	
Wall round godown	1	74·0	6·5	6·0	2886	
cross walls in do	2	3·0	6·5	6·0	234	
Wall Enclosing yard both sides	2	6·25	6·5	6·0	488	
Screen wall in front of latrine	1	4·5	3·5	6·0	100 149	
Retaining wall in front	1	19·5	5·25	4·5	461	
Cistern in rear	1	3·0	6·0	2·0	30	
Total cft of Excavating foundations					10648 10697	or 10·70
Concrete in mortar						
Wall round main building	1	82·0	6·0	2·5	1230	
Cross wall in do	1	7·5	6·0	2·5	113	
Rear verandah wall	1	21·5	4·5	2·5	242	
Cross wall in do	1	2·25	6·0	2·5	34	
Verandah gable walls in front & rear	4	7·75	6·0	2·5	465	
Wall round godown	1	74·0	4·5	2·5	833	
					2917	

E. 120.
50,000—14-5-95.

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
B. f.					2917	
Cross walls in godowns	2	5·0	4·5	2·5	113	
Wall enclosing yard both sides	2	8·25	4·5	2·5	186	
Screen wall in front of Latrine	1	4·5	3·5	2·5	39	
Retaining wall in front	1	21·5	3·25	2·0	140 ~~139~~	
Steps in front	1	8·0	3·0	0·5	12	
Sides of fire place in kitchen	2	0·75	1·75	3·5	9	
Cistern	1	3·0	5·0	1·0	15	
Total cft of Concrete					3436 ~~3430~~	or 34·30 Units
Rubble in mortar						
Hooting main walls	1	82·0	3·5	2·0	574	
Cross wall	1	10·0	3·5	2·0	70	
Cross wall in Verandah	1	~~4·0~~ 4·50	3·5	2·0	~~28~~ 32	
Verandah wall in rear	1	23·5	3·0	1·0	71	
do gable walls in front & rear	~~2~~ 4	7·75	3·5	2·0	~~109~~ 217	
Wall round godowns	1	74·0	3·0	1·0	222	
Cross walls in godowns	2	6·6	3·0	1·0	~~39~~ 40	
Wall enclosing yard both sides	2	10·25	3·0	1·0	62	
Screen wall in front of Latrine	1	4·5	2·5	1·0	11	
Retaining wall in front	1	~~23·5~~ 25·21	1·25	3·5	~~101~~ 110	
~~Cistern in rear~~						
Under steps in front	1	8·0	1·0	1·75	14	
Sides of fire place in kitchen	2	0·75	1·75	2·5	7	
Total					~~1309~~ 1430	

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
B. f.					~~1309~~ 1430	
Basement						
Main wall	1	82·0	2·0	2·5	410	
Cross wall	1	11·5	2·0	2·5	~~57~~ 58	
Verandah wall in rear	1	25·5	2·0	3·5	178	
Cross wall in do	1	5·5	2·0	2·5	28	
Verandah gables in front & rear	~~2~~ 4	7·75	2·0	2·5	~~78~~ 155	
Wall round godowns	1	74·0	2·0	3·5	518	
Cross walls in do	2	7·5	2·0	3·5	105	
Wall enclosing yard	2	11·5	2·0	3·5	161	
Screen wall in front of Latrine	1	5·0	2·0	3·5	35	
Sides of fire place of kitchen	2	0·75	1·75	2·5	7	
					~~1557~~ 1577	
Total cft of Foundations & basement					~~2886~~ 3085	or ~~28·90~~ 30·85 Units
Superstructure						
Main walls	2	26·0	1·5	13·0	1014	
Gable walls right through from one end to the other end of verandah	2	30·0	1·5	8·5	765	
do gables above	2	30·0	1·5	~~4·25~~ 5·01	~~383~~ 450	
Verandah wall in rear	1	26·0	1·5	8·5	332	
Cross wall in main hall	1	12·0	1·5	13·0	234	
Gable above	1	12·0	1·5	2·0	36	
					~~2764~~ 2831	

E. 120.
50,000—14-5-95.

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
B. f.					2831 2764	
Cross wall in rear verandah	1	6·0	1·5	10·75	97	
Walls round godown	1	74·0	1·5	8·5	944	
Gables on either side	2	8·0	1·5	1·33	32	
Cross wall between	2	8·0	1·0	8·5	136	
Gables above	2	8·0	1·0	1·33	21	
Cistern wall	1	5·0	1·0	6·0	30	
Compound wall on either side	2	12·0	1·5	5·0	180	
Extra on top of gable	1	5·5	7·5	2·5	103	
Fire place wall	1	8·0	1·5	8·0	96	
Gable above	1	8·0	1·5	1·33	16	
					4486 4419	
Deduct						
Archwork as per detail	"	"	"	"	178	
Doors	1	4·5	1·5	7·0	47	
"	2	3·5	1·5	7·0	74	
"	1	3·5	1·5	6·5	34	
" in godown	3	3·0	1·5	6·5	88	
Windows	2	3·5	1·5	4·5	47	
	2	3·5	1·5	6·0	63	
	1	3·5	1·5	4·0	21	
	1	2·5	1·5	3·5	13	
Openings in verandah	2	2·5	1·5	3·5	26	
" in back verandah	1	6·0	1·5	8·0	72	
					663	

E. 120.
50,000—14-5-95.

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
B. f.					663	
Ventilators	6	2·0	1·5	2·0	36	
Doors in the compound wall	1	2·5	1·5	6·0	23	
Window in outhouses	1	1·5	1·5	4·0	9	
Ventilators in latrine	2	3·0	1·5	4·5	41	
Kitchen archway & portion	1	6·5	1·12	1·5	11	
" Semi circular	1	16·5	area	1·12	19	
					802	
					3684 3617	or 36·84 Cubic
Total Superstructure less deductions						
Dressed face stone work.						
four corners of the building	4	10·0	1·0		40	
" " in yard above Compound wall	4	4·0	1·0		16	
Sides & sills of windows	2	16·5	1·0		31	
"	2	12·5	1·0		25	
"	1	11·5	1·0		12	
"	1	9·5	1·0		10	
Ventilator in Latrine	2	12·5	1·0		25	
Window in kitchen	1	9·5	1·0		10	
Doors in front	1	14·0	1·0		14	
Openings in verandah	2	8·5	1·0		17	
Door in rear verandah & out houses & latrine	4	13·0 16·0	1·0		64	
					252 273	or 2·52 2·73 Cubic

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Ft r. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Arch work						
Over entrance door	1	5·5				
Over other doors & windows	7	4·5				
Windows & verandah openings	3	3·5				
Out house doors & Latrine openings	4	4·0				
Over kitchen windows	1	2·5				
Kitchen archwork	1	13·0				
		79·0	1·5	1·5	178	
Total				Cft	178	178 Cft
Flooring with Bezwada stone on a bed of Concrete 6" thick						
Large room	1	16·5	11·5		178	
Small "	1	8·0	11·5		92	
Back verandah room	1	15·5	5·5		86	
Verandah	1	8·0	5·5		44	
Front verandah	1	25·5	6·25		159	
Total Sft					558	or 5·58 Units.
Ordinary flooring with Concrete 6" thick						
In godown	1	6·75	7·5		51	
Kitchen	1	9·0	7·5		68	
					119	or 1·20 Units.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Ft r. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Flooring with Asphalte 1/2" thick in Latrine						
Latrine	1	8·0	7·25	"	58	
Total Sft.					58	or 0·58 Units.
Flooring 3" thick gravel over 6" of rubbish in the yard.						
Yard	1	25·5	11·5	"	293	
Deduct screen wall					8	
Total Sft					285	or 2·85 Units.
Brick in Chunam						
Cistern floor	1	4·0	2·5	0·5	5	
" walls	2	3·48	0·5	2·5	9	
" "	1	3·0	0·5	2·25	3	
Latrine seat	1	7·0	0·75	0·75	3	
Chimney	1	2·0	3·0	2·5	15	
"	1	2·0	2·0	1·5	6	
"	1	2·5	2·5	0·75	5	
Total					47 46	or say 0·50 Units.
Plastering with portland cement 1/2" thick as per printed estimate.					681	
Deduct for latrine (as per details in flooring)					51	
Total					630	or 6·30

E. 120.
50,000—14-5-95.

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 interior						
As per details in printed Estimate	-	-	-	-	2652	Units at 26.52
Pointing Exterior						
As per details in printed Estimate	"	"	"	"	2425	Units at 24.25
White washing 2 Coats White washing as per above plastering work.						Units 2652 at 26.52
Teak wood work.						
Ridge beam for large room	1	19·3	0·5	0·9	6-0-2	
" small "	1	11·7	0-4	0-7	2-3-0	
Pieces under ridge over cross walls	1	4·0	0-4½	0-8	1-0-4	
" " at gables	2	2-10½	0-4½	0-6	1-2-4	
Wall plates	2	31-0	0-4	0-3	5-2-0	
Common rafters over main roof in rear	14	19-0	0-3	0-4	22-2-0	
" In front	12	19-0	0-3	0-4	19-0-0	
Jack rafters	4	5-0	0-3	0-4	1-8-0	
Ridge in front gable	1	9-0	0-2	0-4	0-6-0	
Valley rafters in do	2	10-6	0-3	0-5	2-2-3	
Jack rafters in front	4	3-3	0-2	0-3	0-7-0	
Collar pieces in front	1	4-0	0-2	0-3	0-2-0	
Posts in front Verandah	4	0-4½	0-4½	7-6	4-2-7	
Struts to posts	4	3-0	0-3	0-3	1-0-0	
Front verandah brussummer including halving	1	27-0	0-3	0-4	2-3-0	
Back verandah Do	1	8-0	0-3	0-4	0-8-0	
Rear wall plate	1	19-3	0-3	0-3	1-2-5	
Lintels over doors & windows and verandah	2	5-0	1-6	0-3	3-9-0	
		Carried over			75-0-1	

E. 120.
50,000—14-5-95.

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
B. f					75-0-1	
(Wood work continued)						
Lintel over wall Doorway	1	4-0	1-6	0-2½	1-3-0	
Out house ridge	1	32-0	0-3	0-8	5-4-0	
Wall plate	2	32-0	0-3	0-3	4-0-0	
Over latrine opening	1	9-0	0-4	0-4	1-0-0	
Rafters	30	8-0	0-2½	0-3	12-6-0	
Eave boards throughout	1	210-0	0-7	0-1	10-2-6	
Plank in front gable	2	7-0	2-0	0-1	2-4-0	
Wastage	"	"	"	"	8-6-5	
Total					120-2-0	or 120 Cft
Roofing with manglore tiles including teak rafters and fine ceiling complete						
Roofing for main building as per printed Estimate	-	-	-	-	1147	
Deduct for gable	1	9-0	11-0/2	"	50	
					1097	
Add for sides of gables	2	9-0	8-0/2		72	
Total					1169	or 11·70 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 mangalore tiles including teak rafters without ceiling planks for out-houses.						
Outhouses as per printed Estimate	"	"	"	"	519	
Total					519	or 5.20 Sqrs
Cut stone work						
Steps in front	1	8-0	3-0	0-5	12	
" in Yard	2	4-0	1-0	0-5	4	
Total					16	16 Cft
Doors & windows (Teak wood)						
Each Venition & Panel doors	1	4-6	"	7-0	31½	
" " " Entrance door opening into Back Verandah	1	3-6	"	7-0	24½	
" " " in Verandah room	1	3-6	"	6-6	22¾	
Total					78¾	or 79 Sft
Panel doors	2	3-6	"	7	49	
Total					49	or 49 Sft
Batten doors & windows with single shutters & Strapping						
For outhouses	3	3-0	"	6-6	58½	
" wall	1	2-6	"	6-0	15	
window in kitchen	1	1·5	"	4-0	6	
					79½	or 80 Sft

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
Venetian windows with iron bars. In front Verandah	2	3-6	"	4-6	31½	
In end of building with glass above	2	3-6	"	6-0	42	
In verandah room	1	3-6	"	4-0	14	
" single shutters	1	2-6	"	3-6	8¾	
Total	"				96¼	or 9.63 Sft
Ventilators Consisting of teak frames 2"x1" Vertical tagethes with 3/4" mesh galvanized wire netting four in large and two in small room	6	2-6	"	2-0	30	
Total					30	or 3.0 Sft
Painting doors & windows						
Venetian & Panel doors	3/4x1	4-6	"	7-0	102	
Panel doors	2¼x2	3-6	"	7-0	110	
Batten doors & windows	2¼x3	3-0	"	6-6	132	
"	2¼x1	2-6	"	6-0	34	
"	2¼x1	1-6	"	4-0	14	
Venetian windows	3½x2	3-6	"	4-6	110	
	3½x2	3-6	"	6-0	147	
	3½x1	3-6	"	4-0	49	
	3½x1	2-6	"	3-6	31	
Pillars in varandah	4	2-0	"	7-6	60	
Eave board throughout	1	224-0	"	0·66	148	
In front gable	2	9-0	"	2-0	36	
Total					973	or 10.00 Sqrs

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 munyloro tiles including teak rafters without ceiling planks for out houses.						
Outhouses as per printed Estimate	-	-	-	-	519	
Total					519	or 5·20 Sqrs
Cut stone work						
Steps in front	1	8-0	3-0	0-5	12	
" *in Yard*	2	4-0	1-0	0-5	4	
Total					16	16 Cft
Doors & windows (Teak wood)						
Each Venition & Panel doors	1	4-6	"	7-0	31 1/2	
" " *Entrance door opening into Back Verandah*	1	3-6	"	7-0	24 1/2	
" " *in Verandah room*	1	3·6	"	6·6	22 3/4	
Total					78 3/4	or 79 Sft
Panel doors	2	3-6	"	7	49	
Total					49	or 49 Sft
Batten doors & windows with single shutters & Strapping						
For out houses	3	3-0	"	6-6	68 1/2	
" *wall*	1	2-6	"	6-0	15	
window in kitchen	1	1·5	"	4-0	6	
					79 1/2	or 80 Sft

E. 120.
50,000—14-5-95.

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
Venetian windows with iron bars. In front Verandah	2	3-6	"	4-6	31 1/2	
In end of building with glass above	2	3-6	"	6-0	42	
In verandah room	1	3-6	"	4-0	14	
— " — *single shutters*	1	2-6	"	3-6	8 3/4	
Total					96 1/4	or 96 Sft
Venetian Screening of teak frames 2"x1" Vermin together with 3/4" mesh galvanized wire netting four in large and two in small	6	2-6	"	2-0	30	
Total					30	or 30 Sft
Painting doors & windows						
Venetian & Panel doors	3/4	x1 4-6	"	7-0	102	
Panel doors	2 1/4	x2 3-6	"	7-0	110	
Batten doors & windows	2 1/4	x3 3-0	"	6-6	132	
"	2 1/4	x1 2-6	"	6-0	34	
"	2 1/4	x1 1-6	"	4-0	14	
Venetian windows	3/2	x2 3-6	"	4-6	110	
	3/2	x2 3-6	"	6-0	147	
	3/2	x1 3-6	"	4-0	49	
	3/2	x1 2-6	"	3-6	31	
Pillars in verandah	4	2-0	"	7-6	60	
Eave board throughout	1	224-0	"	0·66	148	
In front gable	2	9-0	"	2-0	36	
Total					973	or 10·00 Sqrs

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
Painting ceiling planks with 3 coats of white lead						
Roofing as per details	"	"	"	"	1170	✓
Deduct walls	"	"	"	"	276	✓
Total	Less deductions				894	or 9·00 Hnds
Wood oiling timbers where necessary			Ls			
Wrought iron work as per printed estimate	"	"	"	"	9½	
Total					9½	or 9½ ttes
Cuddapah slab ventilators for latrine	"	"	"	"	28	
Total					28	or 28 Sft
Hiniols over gables	"	"	"	"	No. 3	
Sand filling in basement and sides & bottom of foundation	"	"	"		6000	
					6000	or 60·0 Hnds
Zinc Sheeting for Vallies						
Vallies in front veranda	2	12-0	1·75	"	42	✓
					42	sft at 5 ttes
				per Sft =		210 ttes
Batten shutter for Cistern including frame	1	4·0	4·5	"	18	18
Latrine bucket with handle						No 1

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total
1	2	3	4	5	6
		Rs.		Rs.	Rs.
Constructing Quarters for Civil Hospital Assistant Bezwada					
10·70	Units Excavating foundations	4-0-0	1000 Cft	43	✓
34·30	— do — Concrete in mortar	10-8-0	100 Cft	360	✓
30·85 ~~29·90~~	— do — Rubble in mortar for foundation and basement	11-0-0	— do —	339 ~~328~~	
36·84 ~~36·20~~	— do — do — Superstructure	12-0-0	— do —	442 ~~434~~	
2·52 ~~2·43~~	— do — Dressed face stone work	15-0-0	100 Sft	38 ~~41~~	
178	Cft of Arch work (Bezwada Stone)	0-10-0	Cft	111	✓ +
5·58	Units of Flooring with Bezwada Stone 3" thick (average) over a bed 7 6" thick of Concrete	20-0-0	100 Sft	112	✓
1·20	— do — of Flooring with Concrete 6" thick	6-8-0	100 Sft	7	✓
0·58	— do — of Flooring with Asphalte 3/4" thick on a bed of Concrete 4" for Ex atorm	30-0-0	100 Sft	17	✓
2·85	— do — of Flooring with 3" of Gravel over 6" of Rubble	3-0-0	— do —	9	✓
0·50	— do — of Brick in Mortar	24-0-0	100 Cft	12	✓
6·30	— do — of Plastering with portland Cement	4-8-0	100 Sft	29	✓ +
24·25	— do — of Pointing outside with Lime	2-5-0	— do —	56	✓
26·52	— do — of Plastering with Chunam 2 Coats	2-8-0	— do —	66	✓
26·52	— do — of Whitewashing 2 Coats	0-4-0	— do —	7	✓
120	Cft of Teak wood wrought and put up	3-8-0	Cft	420	✓ +
11·76	Units of Roofing with Mangalore tiles including teak rafters and pucca Ceiling planks complete	35-8-0	100 Sft	415	✓ +
	~~Grand Total of Estimate~~ Carried over			~~2475~~ 2501	

Station _____

Date _____ 189 .

~~Executive Engineer~~

(E. No. 123.)

50,000—6-1-96.

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. 2501 2445	RS.
	B.F				
5·20	Units Roofing with Mangalore tiles including teak wood rafters and excluding pine Ceiling planks	22-8-0	100 Sft	117	
16	Sft of Cuttstone work	0-8-0	Sft	8	
49	Sft of Teak wood Panel & Venetian doors with frames & all fastenings Complete	1-6-0	Sft	109	
49	Sft of Teak wood panel doors — do — do	1-5-0	do	64	
80	Sft of Teak wood Batten doors and Windows with Single Shutters and Strap hinges including frames	1-4-0	do	100	
96	Sft of Venetian Windows with iron bars and frames Complete	2-8-0	do	240	
30	Sft of Ventilators frames with 3/4" mesh Galvanized iron wire netting	1-5-0	do	39	
10·00	Units of Painting with 3 Coats of Carsons oak paint	3-2-0	100 Sft	31	
9·0	Units of Painting Ceiling planks with 3 Coats of White lead	3-5-0	100 Sft	30	
	Wood ceiling timbers where necessary	26·8		9	
9·50	lbs Wrought-Iron work	0-2-6	lbs	1	
28	Sft of Cuddapah Slab Ventilators for Godowns	0-4-0	Sft	7	
No 3	Finials over Gables	6-0-0	each	18	
60·0	Units of Land Filling in basement and Sides and bottom of foundations	2-8-0	100 Sft	150	
			Grand Total of Estimate .. Carried over	3424 3298	

STATION———

Date———189 .

Executive Engineer.

(E. No. 123.)

50,000—6-1-96.

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.
	B/f			~~3398~~ 3434	
No 1	Galvnic Bucket with handle	12-0-0	each	12	
210 lbs	Zinc Checking for Valves	0-4-0	lbs	53	
16 Rft	of Batten planters for Galvnic Cistern with frames Complete	1-4-0	Rft	22	
	Clearing and Granelling the ground round the building and forming roads & drains &c	L.S.		40	
	Sheds for Materials	L.S.		30	
	Total			3581 ~~3525~~	
	Petty supervision			89 ~~83~~ 150 ~~102~~	
	Contingencies				3820
	Total Estimate Rs				~~3,800~~

Surgeon-Major-Genl
Surgeon-General with the Govt. of Madras.

26/7/97

3-4-97

Lieut Baddeley
Major R.E.
Supt. Engr. 2nd Circle

Grand Total of Estimate Rs ~~3800~~ 3820

STATION

Date 189 .

Captain &c for

Executive Engineer.

19.4.97

Checked

B/C

Dy

(E. No. 123.)

50,000—6-1-96.

CIRCLE— II

DIVISION— Godavari Northern

DISTRICT— —Do—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

Bezawada

ESTIMATE FORM.—Abstract.

Financial Head— Provincial

Budget Head— Civil Buildings

Departmental Head— Original work

Main Head— 15 Medical

Sub-Head— 1. Hospitals and Dispensaries

Project of which the work forms part—

Section—

Name of Work— Constructing Quarters for a Civil Hospital Assistant at Bezawada

Amount of Estimate, Rs.— ~~3800~~ 3820 0-0

To be carried out by— D. P. W.

REFERENCES.

SUPG. ENGINEER'S OFFICE No. 2 Ck. 5 JUN 97 P. W. D. SECOND CIRCLE

1897 Rubrics Register No. 3 Page No. 2790

ESTIMATE.

REPORT.

This Estimate was prepared in accordance with ~~letter No.~~ ~~dated~~ the Standard design for a Civil Dispensary for out patients prepared in the Sanitary Department forwarded with Superintending Engineer's letter No. 2114 K.N. dated 4-11-96

The foundations have been altered to suit the soil and sub soil which consists of clayey loam for a depth of 12 feet Sections of proposed foundations also accompany the Estimate

The flooring will consist of Bezwada stone 3" thick laid on a bed of Concrete 6" thick including pointing.

Roofing will Consist of Mangalore tiles over teak rafters 2"×1". All the rooms and Verandahs will be fitted with pine Ceiling planks 6"×½".

The walls will be plastered with 2 Coats inside and pointed outside.

Provision

Provision has also been made in the estimate for Gray washing to the building inside to a height of 6 feet from the ground level and tint washing for the remaining full height of the walls

A layer of Asphalte 3/4" thick will be laid over the walls at the plinth level to serve as damp proof course.

Specification

The different kinds of works will be carried out in accordance with the standard specification of the Madras Presidency except where otherwise specifically stated in the estimate or by the Executive Engineer in writing.

Wm. Ellis
Captain R.E.
18/4/87 Executive Engineer
Kistna Northern Division

SUPG. ENGINEER'S OFFICE
No. 2/2984
P. W. D.
SECOND CIRCLE.

1887
Pub.
4
2790

Dispensary at Bezwada.

E. 120.
50,000—14-5-95.

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
Excavating foundations						
Main walls in sergical rooms for men & women						
Consulting & Examination rooms	2	81-0	8-0	6-0	7776	
Drug store & dispensing room	2	15-0	8-0	6-0	1440	
Cross walls	2	5-5	8-0	6-0	528	
" "	1	3-5	8-0	6-0	168	
Verandah room walls	3	24-50	8-0	6-0	3528	
Retaining wall	1	~~149-0~~ 141-5	5-25	4-5	~~3520~~ 3343	
Pillars	4	8-0	8-0	6-0	1536	
Total					~~18519~~ 18494	or 18-50 Units
Concrete in Mortar						
Main walls as above	2	81-0	6-0	2-5	2430	
Drug stores & dispensing room	2	17-0	6-0	2-5	510	
Cross walls	2	7-5	6-0	2-5	225	
" "	1	5-5	6-0	2-5	83	
Verandah room walls	3	26-50	6-0	2-5	1193	
Retaining wall	1	155-0 149-75	3-25	2-0	~~1008~~ 973	
Pillars	4	6-0	6-0	2-5	360	
Underosteps in front & rear	2	10-6	3-5	0-5	37	
" " Sides	2	4-0	3-6	0-5	14	
					~~5860~~ 5825	
Total c/ft of Concrete						or ~~58 60~~ 58 Units

E. 120.
50,000—14-5-96.

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
Rough stone in mortar						
Footings Main room walls as above	2	81·0	3·5	2·0	1134	
Drug store & dispensing room	2	19·50	3·5	2·0	273	
Cross walls	2	10·0	3·5	2·0	140	
do	1	8·0	3·5	2·0	56	
Verandah room walls	3	29·00	3·5	2·0	609	
Retaining wall including basement		159·75	1·25	3·5	698	
Pillars	1	3·5	3·5	2·0	98	
Above including basement						
Main room walls	2	81·0	2·0	2·5	810	
Drug stores & dispensing room	2	21·0	2·0	2·5	210	
Cross walls	2	11·5	2·0	2·5	115	
" "	1	9·5	2·0	2·5	48	
Pillars	4	2·0	2·0	2·5	40	
Under steps in front & rear	2	8·0	2·0	0·75	24	
" " sides	2	3·5	2·0	0·75	10	
Verandah room walls	8	30·5	2·0	2·5	458	
Total foundation & basement					4723	c/f/ or 47·23 Unit.
Superstructure						
Main walls as above	2	81·0	1·5	14·0	3402	
Drug stores & dispensing room wall	2	21·50	1·5	14·0	903	
" Gables above	2	14·75	1·5	5·0	221	
Cross walls	2	12·0	1·5	14·0	504	
Cross walls between drug store room & dispensing room	1	10·0	1·5	13·0	195	
					5225	

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
B. f					5225	
Verandah room walls	3	31·0	1·5	8·6	1186	
Gables above	6	7·75	1·5	2·5	174	
Pillars	4	1·5	1·5	14·0	126	
Total c/f					6711	
Deduct						
Arch work as per details	"	"	"	"	481 450	
Doors	7	4·0	8·0	1·5	336	
"	2	4·0	8·0	1·5	96	
"	5	3·5	8·0	1·5	210	
Windows	9	4·0	6·0	1·5	324	
"	10	3·5	5·0	1·5	263	
"	4	3·0	5·0	1·5	90	
Ventilators	8	4·0	2·0	1·5	96	
					1836 1865	
Total Superstructure less deductions					4815 4846	or 48. 48.46 Unit.
Arch work to Bezwada Store						
Over doors	7	5·0	1·5	1·5	79	
"	2	5·0	1·5	1·5	23	
"	5 2	4·5	1·5	1·5	51 20	
Windows	9	5·0	1·5	1·5	101	
"	10	4·5	1·5	1·5	101	
"	4	4·0	1·5	1·5	36	
Ventilators	8	5·0	1·5	1·5	90	
Total c/f					450 481	or 481 460 c/f

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Ft r. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
3" Flooring with Bermuda Stone 3" thick on 6" of Concrete						
large rooms	4	11·5	11·5	"	530	
Small "	2	9·5	9·5	"	180	
Verandah rooms	3	6·5	6·5	"	126	
Verandah in front & rear	2	7·5	21·0	"	316	
" in front portion	1	46·5	6·5	"	302	
" in rear	1	55·75	6·5	"	362	
Right side of building	1	34·75	6·5	"	226	
Left side between latrins	1	25·50	6·5	"	166	
					2208	
Deduct for Pillars	4	1·5	1·5	"	9	
Total ~~Sft~~ of flooring					2199	or Units 22·00
Curb stone work.						
Steps in front & rear	2	10·0	3·0	0·5	30	
" sides	2	3·5	3·0	0·5	11	
Sill stones for doors	14	5·0	1·5	0·5	53	
Total					94	or 94 Sft.
Pointing with Surki						
Outside In front & rear of						
Drug store & dispensing room including gables	2	21·50	16·00 ~~18·5~~	"	688	
Sides	4	7·5	14·00 ~~16·0~~	"	~~796~~ 434 ~~480~~	
" front of Sergical and Consulting rooms	3	13·5	13·5	"	547	
					~~1823~~ 1669	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Ft r. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
1	2	3	4	5	6	7
Pointing in surki (Continued) B. f.					1669 ~~1823~~	
Outside in rear of the operation room	1	15·0	13·5		203	
Verandah rooms outside	3	35·50	7·75		825	
Gable sides	6	7·75	2·5		116	
Pillars	4	6·0	14·0		336	
Basement all round	1	224·0	2·0		448	
sides of steps	8	6·0	0·5		24	
Total Sft					3621 3775	
Deduct						
Doors	7	4·0	8·0		224	
"	5	3·5	8·0		140	
Windows	9	4·0	6·0		216	
"	10	3·5	5·0		175	
"	4	3·0	5·0		60	
Total deductions Sft					815	
Total pointing less deductions Sft					2806 2960	or 28·00 ~~29·60~~ Units
Plastering inside						
Main rooms inside	4	48·0	14·0		2688	
"	2	40·0	14·0		1120	
Gables in centre rooms either side	2	14·5	5·0		145	
Top of cross wall	1	10·0	1·5		15	
Verandah rooms	3	28·0	8·75		735	
Top of cross wall	2	12·0	1·5		36	
Gables over verandah rooms	6	7·0	2·12		89	
			Total		4828	

E. 120.
50,000—14-5-95.

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
B.f					4828	
Deduct for doors	2	4·0	-	8·00	64	
Total plastering less deductions					4764	or 47·70 Units
White washing as per above Plastering	"	"	"	"	"	47·70 Units
Wood work						
Common rafters in Surgical operation & Consulting rooms placed 2·6" from Centre to centre	2x9	20·0	0·3	0·6	37·60	
Collar pieces	2x7	7·0	0·3	0·5	10·2·6	
Jack rafters	8x7	10·0	0·3	0·5	58·4·0	
" inside	8x1	18·0	0·3	0·5	15·0·0	
"	8x1	16·0	0·3	0·5	13·4·0	
"	4x1	14·0	0·3	0·5	5·10·0	
" in front & Rear	4	14·0	0·3	0·5	5·10·0	
"	4	19·0	0·3	0·5	7·11·0	
Common rafters in vallies	2x14	9·6	0·3	0·5	27·8·4	
Jack rafters	2x8	4·9	0·3	0·5	7·11·0	
Hip rafters	4	32·9	0·2½	0·6½	14·9·5	
"	8	8·4	0·2½	0·6½	7·6·3	
Valley rafters	4	12·0	0·2½	0·6½	5·5·0	
Jack rafters in front gables (small)	4x5	3·6	0·2¼	0·4	4·4·6	
C.O.					224·8·0	

IV

E. 120.
50,000—14-5-95.

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
B. forward					224-8-0	
Brus gummer in verandah	2	23·0	0-4½	0·5	7-2-3	
" front & outside	1	41-6	0·3	0-4	3·5-6	
" Rear	1	58-6	0·3	0·4	4-10-6	
" sides	1	25-6	0-3	0-4	2-1-6	
" "	1	36·0	0·3	0-4	3-0-0	
Wall plates in front & rear wall of main rooms	4	15-0	0-3	0-4	5-0-0	
" along gutters of main roofs and either sides	4	28-0	0-2	0-6	9-4-0	
" on either side of Drugstore and dispensing room	2	7-0	0-5	0-7	3-4-10	
" Over verandah room wall	3	19-0	0-3	0-4	4-9-0	
Beams in Drugstores and Dispensing room	2	13-0	0-8	0-10	14-5-4	
Vertical post over them to carry Ventilator roof	8	2-0	0-4	0-4	1-9-4	
Pole plates above	2	13-0	0-3	0-3	1-7-6	
"	2	8-0	0-3	0-3	1-0-0	
Common rafters above	8	8-0	0-2	0-3	2-8-0	
Jack rafters	16	4-0	0-2	0-3	2-8-0	
Beams in rear verandah to carry water tank	2	7-6	0-4	0-5	2-1-0	
Joists above these beams	4	8-0	0-2	0-4	1-9-4	
Posts in verandah	20	7-6	0-4½	0-4½	21-1-0	
Struts to posts	36	3-0	0-3	0-3	6-9-0	
Eave plank	1	222-0	0-1	0·7	10-9-6	
					331-5-7	

E. 120.
50,000—14-5-95.

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
B. f					4828	
Deduct for doors	2	4·0	-	8·00	64	
Total plastering less deductions					4764	or 47·70 Units
White washing as per above Plastering	"	"	"	"	"	47·70 Units
Wood work						
Common rafters in Surgical operation & Consulting rooms placed 2·6" from Centre to centre	2x9	20·0	0·3	0·5	37·60	
Collar pieces	2x7	7·0	0·3	0·5	10·2·6	
Jack rafters	8x7	10·0	0·3	0·5	58·4·0	
" inside	8x1	18·0	0·3	0·5	15·0·0	
"	8x1	16·0	0·3	0·5	13·4·0	
"	4x1	14·0	0·3	0·5	5·10·0	
" in front & Rear	4	14·0	0·3	0·5	5·10·0	
"	4	19·0	0·3	0·5	7·11·0	
Common rafters in vallies	2x4	9·6	0·3	0·5	27·8·4	
Jack rafters	2x8	4·9	0·3	0·5	7·11·0	
Hip rafters	4	32·9	0·2½	0·6½	14·9·5	
"	8	8·4	0·2½	0·6½	7·6·3	
Valley rafters	4	12·0	0·2½	0·6½	5·5·0	
Jack rafters in front gables (small)	4x5	3·6	0·2½	0·4	4·4·6	
C.O.						224·8·0

E. 120.
50,000—14-5-95.

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
B. forward					224-8-0	
Brus summer in verandah	2	23·0	0·4½	0·5	7·2·3	
" front & outside	1	41·6	0·3	0·4	3·5·6	
" Rear	1	58·6	0·3	0·4	4·10·6	
" sides	1	25·6	0·3	0·4	2·1·6	
" "	1	36·6	0·3	0·4	3·0·0	
Wall plates in front & rear wall of main rooms	4	15·0	0·3	0·4	5·0·0	
" along gutters of main roofs and either sides	4	28·0	0·2	0·6	9·4·0	
" on either side of Drugstore and dispensing room	2	7·0	0·5	0·7	3·4·10	
" Over verandah room walls	3	19·0	0·3	0·4	4·9·0	
Beams in Drugstores and Dispensing room	2	13·0	0·8	0·10	14·5·4	
Vertical post over them to carry Ventilator roof	8	2·0	0·4	0·4	1·9·4	
Pole plates above	2	13·0	0·3	0·3	1·7·6	
"	2	8·0	0·3	0·3	1·0·0	
Common rafters above	8	8·0	0·2	0·3	2·8·0	
Jack rafters	16	4·0	0·2	0·3	2·8·0	
Beams in rear verandah to carry water tanks	2	7·6	0·4	0·5	2·1·0	
Joists above these beams	4	8·0	0·2	0·4	1·9·4	
Posts in verandah	20	7·6	0·4½	0·4½	21·1·0	
Struts to posts	36	3·0	0·3	0·3	6·9·0	
Eave plank	1	222·0	0·1	0·7	10·9·6	
					331·5·7	

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
B.f					331-5-7	
Eave plank to ventilator roof	1	52-0	0-1	0-7	2-6-4	
Planking for front & rear gables	4	7-0	0-1	1'-0"	2-4-0	
Collar pieces in front of these gables for the end rafters	2	4-0	0-2	0-3½	0-4-8	
Small light ridge piece in front & rear gables	2	8-0	0-2	0-4	0-10-8	
					337-7-3	
Wastage					2-4-9	
Total cft of Teak wood work					340-0-0	or 340 cft
Doors & windows Teak wood						
Teak ⅓ Pannel 2/3 Venetion doors with frames &c Complete	9	4-0	8-0		288	
do do do	1	3-6	8-0		28	
Total						316 Sft
Teak Batten doors for latrine with frames &c Complete	4	3-6	8-0		112	
Total						112 Sft
Teak Venetion windows with frames &c Complete	7	4-0	6-0		168	
"	10	3-6	5-0		175	
"	4	3-0	5-0		60	
Total					403	or 403 Sft
Glazed Ventilators	8	4-0	2-0		64	
Total					64	64 Sft

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
Glazed windows in Examination room with painted Glass	2	4-0	6-0		48	
Total					48	or 48 Sft
Roofing with manglore tiles including prime ceeling.						
Hips over Sergical & Consulting rooms	4	15-0	4·75		285	9-6/2
" at centre	2	14-6	10-0		290	
Verandah throughout below front & rear	2	60-0	10-5		1260	
Either side of gables	4	12-0	4-0		192	
Sides	2	30-5	20-0		1220	
Vallies both sides	4	20-5	8-0		656	
Ventilator roof front & rear	2	8-5	7-0		119	
" " sides	2	5-25	7-0		74	
Total					4096	
Deduct gable in front & rear	2	12-0	5-5		132	
Total roofing Sft					3964	or 39·64 Units
Dressed face stone work						
Quoins of the building	5	13-0	average 2·0		130	
" of verandah rooms	3×3	7-5	2-0		135	
Sides of doors	7	16-0	1-0		112	
" "	5	16-0	1-0		80	
Windows sides & sill	9	16-0	1-0		144	
"	10	13-5	1-0		135	
	4	13-0	1-0		52	
					788	or 0·00 Units

E. 120.
50,000—14-5-95.

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
Iron work						
Angle iron Brackets to receive Stone Shelves &c	8	4-0	2"x2"x¼"		901	
Flat iron drawbacks to hold the stone slabs	8				9	
Total					910	910 lbs
Zinc gutter along the Valleys on both sides including End sheet & other fillings &c Complete					57	or 57 Rft
Zinc sheet in valleys	4	12-0	1'-9"	"	84	or at 5 lbs per
				Sqft foot	84x5 = 420 lbs	
Painting doors & windows and wood work Exposed to weather with 3 coats of oil paint						
Doors	3¾x9	4-0	8-0	"	936	
"	3¾x1	4-0	8-0	"	104	
"	2x4	3-6	8-0	"	224	
Windows	2¼x9	4-0	6-0	"	486	
"	2¼x10	3-6	6-0	"	394	
	2¼x4	3-0	5-0	"	135	
Ventilators	1x8	4-0	2-0	"	64	
Posts in Verandahs	20	1'-6"	7'-6"	"	225	
Struts "	36	3-0	1-0	"	108	
Eave plank	1	274-0	0'-8"	"	183	
Planking for front & rear gables	2	14-0	2-0	"	56	
					2915	

VII

E. 120.
50,000—14-5-95.

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
B/f					2915	
Beams in Drug & dispensing rooms	2	10-0	3-0	"	60	
Vertical posts over them	8	2-0	1-0	"	16	
Pole plates throughout	1	42-0	1-0	"	42	
Wall plate on either side of Drug dispensing room	2	7-0	1-6	"	21	
Total Sqft of Painting					3054	or 305.0 Units
Painting the ceiling planks with 3 coats of white lead						
As per details in roofing	"	"	"	"	3964	
Deduct portions occupied by walls	"	"	"	"	453	
Total painting less deductions					3511	or 35.00 Units
Polished Napa stone Shelves and Table						
Big in drug store room	3x2	4-0	1-0	"	24	
" in dispensing room	3x2	3-6	1-0	"	21	
Small in bottle rooms	3x4	3-0	1-0	"	36	
Table in dispensing room	1	4-0	2-6	"	10	
Total Sqft of Napastone					91	= 9.1 Sqft
Gray washing to the building inside to a height of 6' as per details in plastering	"	"	"	"	2088	or 20.88 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
Int washing the building above that 6 feet (deducting the above item from plastering	"	"	"	"	2682	or 26·82 Units
Damp proof course with asphalte 3/4 thick in the walls at plinth level	"	"	"	"	"	5·25 Units
Filling in Basement, Sides and bottom of foundations						
Filling in Basement						
Large room	4	11·50	11·50	1·25	661	
Small room	2	9·50	9·50	1·25	225	
Verandah room	3	6·50	6·50	1·25	158	
Verandah in front and rear	2	7·50	21·0	1·25	394	
Do	1	46·50	6·50	1·25	378	
Do rear	1	55·75	6·50	1·25	453	
Right side of the building	1	34·75	6·50	1·25	282	
Left side of the Do	1	25·50	8·50	1·25	271	
Filling in sides & bottom of foundations As per details in Excavating foundations	"	"	"	"	18496	
Total sand filling c/f					21318	

E. 120.
50,000—14-6-95.

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
B.f.					21318	
Deductions						
Quantity of Concrete as per details					5860	
Quantity of roughstone (footings) as per details					2610	
Do above footing for 6" only					245	
Total deductions c/f					8715	
Total Sand filling c/f less deductions						12603 or 126·00 Units
Wood oiling the wood work not much exposed to weather	"	"	"	"		26·4
Finials over gables	No 4					No 4
Wrought iron water tank including fitting and water service pipes and lift gear & force pump fitted over the well complete	"	"	"	"		Sum Sum
Making drain (Plastered) round the building	"	"	"	"		Sum Sum
Locker for Poisons with sliding door						No 2

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
Hand rests Nafpa stone polished on both sides of delevering windows in dispensing door	2	4-0	1-0	"	8	
Total Sft					8	0f 8 Sft
Tubs and Basen of Glazed stone ware	"	"	"	"	-	Nos 5
Cisterns built in bricks in cement including iron gratings on top below water taps	"	"	"	"	"	Nos 5
Clearing & Granelling the Lots, forming roads and Drains	"	"	"	"	"	Lump Sums
Constructing a Well	"	"	"	"	"	Lump Sum
Shed for Storage of Materials	"	"	"	"		—do—
Petty supervision						
Contingencies						

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		Rs.		Rs.	Rs.
	Constructing a Civil Dispensary at Bezawada				
18.50	Units of Excavating foundations	4-0-0	100 Cft	74	
58.82	— do — of Concrete in ordinary mortar	10-8-0	100 Cft	699 615	
47.23	— do — of Rough stone in — do — do — for foundations and Basement	11-0-0	— do —	520	
48.72	— do — of Rough stone in — do — superstructure	12-0-0	— do —	576 584	
481/450	Cft of Arch work Bezawada Stone.	0-10-0	Cft	301 281	
22.00	Units of Flooring with Bezawada Stone 3" thick on a bed of Concrete 6" thick including pointing	20-0-0	100 Sft	440	
94	Cft of Cut stone work	0-8-0	Cft	47	
28.00 29.60	Units of Pointing in Surkie mortar	2-5-0	100 Sft	65 69	
47.70	— do — of Plastering with Chunam 2 Coats	2-8-0	100 Sft	119	
47.70	— do — of Whitewashing 2 Coats	0-4-0	— do —	12	
340	Cft of Teak wood wrought & put up	3-8-0	Cft	1190	
316	Sft of Teak wood Doors 1/3 panel & 2/8 Venetian with frames hinges &c Complete	1-6-0	Sft	435	
112	Sft of Teak wood Batten doors with — do —	1-4-0	— do —	140	
403	Sft of Teak wood Venetian Windows — do —	1-5-0	— do —	529	
64	Sft of Glazed Ventelators — do —	1-4-0	— do —	80	
48	Sft of Glazed Windows in examination room with frosted Glass	1-4-0	— do —	60	
39.64	Units of Roofing with Mangalore tiles to the purpose and pucca Ceiling planking Complete	35-8-0	100 Sft	1407	
	Grand Total of Estimate .. Carried over			6599 6604	

STATION _____

Date _____ 189 .

Executive Engineer.

(E. No. 123.)

50,000—6-1-96.

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.
				6604	
	B. f.			6579	
8.00	Units of Dressed Sand Stone work	15-0-0	100 Cft	120	
910	Rft of Arch work	0-2-6	Rft	142	
57	Rft Zinc Gutters along the Valleys	1-4-0	Rft	71	
420	Rft of Zinc Flashing for Valleys	0-4-0	Rft	105	
30.50	Units of Painting doors and Windows and wood work exposed to weather with 3 Coats of Oak Paint	3-2-0	100 Sft	95	
35.00	Units of Painting the Ceiling planking with 3 Coats of white lead	3-5-0	-00-	116	
91	Sft of Polished Aspo stone for Shelves and Tables	1-0-0	Sft	91	
20.88	Units of Gray washing to the building inside to a height of 6ft	0-5-0	100 Sft	7	
26.82	Units of Lime Washing -00- -00-	0-5-6	-00-	9	
5.25	-00- of Damp proof Course with Asphalte 3/4" thick on the Walls at plinth Level	25-0-0	100 Sft	131	
126.00	Units of Sand filling in Basement and bottom & sides of foundations	2-8-0	100 Cft	315	
	Wood oiling the wood work not much exposed to weather	2- Lump		10	
4	Fences over Gables	60-0	each	24	
1.00	Wrought Iron water tank including piping and Water Service pipes, Lift and force pumps fitted over the well	2-		600	
	Grand Total of Estimate ..			8440	
	Carried over			8435	

STATION

Date 189 .

Executive Engineer

(E. No. 123.)

50,000—6-1-96.

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.
	B. F			8440 ~~8435~~	
	Making Drain plastered round the Building	2 · 8		50	
No 2	Locker for Poisons with Sliding door	20	each	40	
8	Lft of Rapo Stone Hand rests on both sides of Delivering Windows in Dispensing room	1·0·0	Lft	8	
No 5	Tubs and Basin of Glazed Stone ware	15-0-0	each	45	
No 5	Centum Benett in brick in Cement including iron gratings &c	15-0-0	each	45	
	Clearing & Granelling the Site, forming Roads & Drains	"	"	100	
	Constructing a Well	2 · 8		350	
	Shed for Storage of Materials	2 · 8		50	
				~~9183~~ 88	
	Petty superviseon	2-8-0	Cent	232 ~~207~~	
	Contingencies	5-0-0	Cent	460 ~~410~~	9880 ~~9,800~~
	W. Bandeley Major R.E.				
	Supt Engr 2nd Circle			Grand Total of Estimate Rs	~~9,800~~ 9880

STATION—

Date—

O.C. 3-4-97

C. Thomson 2677/97 Surgeon-Major-General Surgeon-General with the Govt. of Madras.

Wm. Ellis Captain R.E. Executive Engineer. 18.4.97 Kistna Northern Dn

B/C Dn

(E. No. 123.)

50,000-6-1-96.

Circle— II

Division— Western Northern

District— —Do—

Taluk (or Estate in case of Estate Works.)

Byramada

ESTIMATE FORM.—Abstract.

Financial Head— Provincial

Budget Head— Civil Buildings

Departmental Head— Original works

Main Head— 15 Medical

Sub-Head— 1 Hospital and Dispensaries

Project of which the work forms part—

Section—

Name of Work— Constructing a Civil Dispensary at Byramada

Amount of Estimate, Rs.— ~~9,800-0-0~~ 9880.

To be carried out by— P. W. D.

REFERENCES.

SUPG. ENGINEERS OFFICE. No. 3/298 KN P. W. D. SECOND CIRCLE.

SUPG. ENGINEERS OFFICE. No. 2/84 KN 5-JUN.97 P. W. D. SECOND CIRCLE.

1897.7 Public Works Dept. Index No. 57 To 2790

(E. No. 123.)

50,000—6-1-96.

CIRCLE— II

DIVISION— Western Northern

DISTRICT— —Do—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS.)

Byculla

ESTIMATE FORM.—Abstract.

SUPG. ENGINEER'S OFFICE. No. 3/298 KN P. W. D. SECOND CIRCLE.

SUPG. ENGINEER'S OFFICE. No. 2/1841 KN 5-JUN.97 P. W. D. SECOND CIRCLE.

Financial Head— Famine

Budget Head— Civil Buildings

Departmental Head— Original works

Main Head— 15 Medical

Sub-Head— 1 Hospital and Dispensaries

Project of which the work forms part—

Section—

Name of Work— Constructing a Civil Dispensary at Byculla

Amount of Estimate, Rs.— ~~9,800-0-0~~ 9880

To be carried out by— P. W. D.

REFERENCES.

1887 P.W.D. Order No. 57 Dt. 27.9.87

(E. No. 125.)

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

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—G

Civil Dispensary — 2 quarters for Hospital Assistant.

Description of Work.	Rates.								
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.
		Rs.		Rs.		Rs.		Rs.	
B. Forward				~~6931~~ 6937		~~3106~~ 3132			
Lime shutting for walls	tte	0-4-0	420	105	210	53			
Painting 3 Coats of Carsons oak paint	100 Sft	3-2-0	30.50	95	10	31			
Painting with 3 Coats of white lead	Do-	3-5-0	35.00	116	9	30			
Polished napa stone	1 Sft	1-0-0	91	91	"	"			
Gray washing to the building	100 Sft	0-5-0	20.88	7	"	"			
Jait washing Do	Do-	0-5-6	26-82	9	"	"			
Damp proof course with Asphalte 3/4" thick	Do-	25-0-0	5.25	131	"	"			
Sand filling in basement	100 Cft	2-8-0	126.00	315	60.00	150			
Wood oiling timbers	-	-	-	10	"	9			
Finials over gables	no1	6-0-0	no4	24	3	18			
Wrought iron water tank including pipings	-	-	-	600	-	"			
Plastering with Portland Cement	100 Sft	7-8-0	"	"	6.30	47			
Cuddapah slab ventilators for latrine	1 Sft	0-4-0	"	-	28	7			
Making drain plastered round the building	-	-	-	50	-	-			
Locker for prisons with sliding door	no1	20-0-0	no2	40	-	"			
Napa stone hand rests	1 Sft	1-0-0	8	8	-	"			
Tubs & Basins of glazed stone ware	no1	15-0-0	no5	75	"	"			
				8607 8613		3451 3477			

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 of Brick-work would be entered as 92·5 units.

5,000—7 3-94.

(E. No. 125.)

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

Circle.—

Division.—

Taluk.—

Dist rict.—

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—Ge

Description of Work.	Rates.		Civil Dispensary		Quarters for Hospital Assistant				
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.
		Rs.		Rs.		Rs.		Rs.	
B. Forward				4528 ~~4523~~		22.18 ~~2,189~~			
Teak wood venetian windows	1 Sft.	1-5-0	403	529	"	"			
Glazed ventilators	Do.	1-4-0	64	80	"	"			
Do windows in Examination room with frosted glass	Do.	1-4-0	48	60	"	"			
Roofing with mangalore tiles, teak rafters & pine ceiling planks Complete	100 Sft.	35-8-0	39.64	1407	11.70	415			
Dressed facing work	Do.	15-0-0	8.00	120	2.52 ~~2.73~~	38 ~~41~~			
Roofing with mangalore tiles including teak rafters & excluding pine ceiling	Do.	22-8-0	"	"	5.20	117			
Iron work	lb	0-2-6	910	142	9.50	1			
Teak wood panel doors with frames & all fastenings Complete	1 Sft.	1-5-0	"	"	49	64			
Ventilator windows with iron bears & frames &c.a Complete	Do.	2-8-0	"	"	96	240			
Ventilators with frames & 3/4" mesh galvanized iron wire netting	Do.	1-5-0	"	"	30	39			
Zinc gutters along the eaves	1 Rft.	1-4-0	57	71	"	"			
				6931		3106			

6937 3132

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 of Brick-work would be entered as 92·5 units.

5,000—7 3-94.

(E. No. 125.)

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

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.		Civil Dispensary		Quarters for Hospital assistant.								Total.					
	Unit.	Amount.	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.
Excavating foundations	1000 Cft	4-0-0	18·50	74	10·70	43											29·20	117
Concrete in mortar	100 Cft	10-8-0	58·~~00~~	~~615~~ 609	34·30	360											92·~~40~~ 90	~~975~~ 959
Rough stone in Do	Do-	11-0-0	4723	520	~~28·90~~ 30·85	~~318~~ 339											76·13 78·08	~~838~~ 859
Do in Do for superstructure	Do-	12-0-0	48~~26~~	~~582~~ 576	36·~~20~~ 84	~~434~~ 442											84·~~66~~ 84	~~1010~~ 1018
Arch work Bezwada Stone	1 Cft	0-10-0	~~450~~ 481	~~281~~ 301	178	111											65·~~28~~ 62·8	~~392~~ 412
Flooring with Do- 3" thick on a bed of 6" thick including pointing	100 Sft	20-0-0	22·00	440	5·58	112											27·58	552
Flooring with Concrete 6" thick	Do-	5-8-0	-	-	1·20	7											1·20	7
Flooring with asphalte 3/4 thick on a bed of Concrete 4" thick for labs	Do	30-0-0	-	-	0·58	17											0·50	17
Flooring with 3" gravel over 6" of rubble	Do-	3-0-0	-	-	2·85	9											2·85	9
Brick in mortar	100 Cft	24-0-0	-	-	0·50	12											0·50	12
Cut stone work	1 Cft	0-8-0	94	47	16	8											110	55
Pointing in Surki mortar	100 Sft	2-5-0	28·00 29·60	65 ~~68~~	24·25	56											52·25 ~~53·85~~	121 ~~124~~
Plastering with Chunam	Do-	2-8-0	47·70	119	26·52	66											74·22	185
White washing 2 Coats	Do-	0-4-0	47·70	12	26·52	7											74·22	19
Teak wood wrought and put up	1 Cft	3-8-0	340	1190	120	420											460	1610
Teak wood doors 1/3 panel & 2/3 venetian with frames, hinges &c complete	1 Sft	1-6-0	316	435	79	109											395	544
Teakwood leaten doors with frames &c complete	Do-	1-4-0	112	140	80	100											192	240
		Carried over		4523 4528		2189 2218											Carried over	6712 6746

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.~~

5,000—7 3-94.

D

IMATE FORM.—ABSTRACT—C

RAL (FOR MANY PARTS OF A WORK).

Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Total. Quantity.	Total. Cost.	Quantity.
RS.		RS.		RS.		RS.		RS.		RS.	
										~~6712~~ 6746	
									403	529	
									64	80	
									48	60	
									51·34	1822	
									10·~~73~~ 54	~~161~~ 158	
									5·20	117	
									919·50	143	
									49	64	
									96	240	
									30	39	
									57	71	
										~~10037~~ 10067	

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

~~Executive Engineer.~~

…TIMATE FORM.—ABSTRACT-

…ERAL (FOR MANY PARTS OF A WORK).

									Total.			
Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Cost.	Quantity
RS.		RS.		RS.		RS.		RS.		RS.		
										~~10037~~ 10069		
									630	158 ✓		
									40·50	126 ✓		
									44	146 ✓		
									91	91 ✓		
									22·78	7 ✓		
									26·82	9 ✓		
									5·25	131 ✓		
									186	465 ✓		
									"	19 ✓		
									7	42 ✓		
									"	600 ✓		
									6·30	47 ✓		
									28	7 ✓		
										50 ✓		
									ho2	40 ✓		
									8	8 ✓		
									5	75 ✓		
										~~12058~~ 12090		

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

Executive Engineer.

D

TIMATE FORM.—ABSTR

ERAL (FOR MANY PARTS OF A WORK).

									TOTAL.	
Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
RS.		RS.		RS.		RS.		RS.		RS.
										~~12058~~ 12090
									No5	75
									No1	12
									18	22
									"	140
									"	350
									"	80
									"	321
									"	~~24~~ 610
									"	~~572~~
										~~13600~~ 13700

W. C. Baddeley Major R. E.
Supt. Engr. 2nd Circle

C. Sibthorpe
26/7/97 Surgeon Major-General
Surgeon-General
with the Govt. of Madras.

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

Wm. Ellis Captain R.E.
19/4/87 Executive Engineer.
Kistna Northern Div.

Description of Work.	Rates.		Civil Dispensary		Quarters for Hospital Assistant				
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.
		Rs.		Rs.		Rs.		Rs.	
~~B. Forward~~				~~8607~~ 8613		~~345~~ 377			
Cistern built in Brick in Cement including iron gratings	No	15-0-0	No 5	75	-	-			
Latrine Bucket with handle	Do	12-0-0	-	-	No 1	12			
Batten shutter for latrine Cistern with frames Complete	1 Sft	1-4-0	"	-	18	22			
Clearing + gravelling the site, forming roads and drain	-	-	-	100	"	40			
Constructing a well	-	-	-	350	-	"			
Shed for storage of materials	-	"	-	50	"	30			
						89			
Petty supervision				~~232~~ ~~208~~	-	~~83~~			
Contingencies				460 ~~420~~	"	150 ~~162~~			
				9880 ~~9800~~ 9/1		3820 ~~3800~~ 1			

P.O.
3-5-97

STATION Bezwada
DATE April 1897.

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 fo
of Brick-work would be entered as 92·5 units.

5,000—7 3-94.

Compd

(E. No. 125.)

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

SUPG. ENGINEER'S OFFICE No. 1/8 42 5-JUN.97 P.W.D. SECOND CIRCLE.

SUPG. ENGINEER'S OFFICE No. 1/298 P.W.D. SECOND CIRCLE.

CIRCLE.— Second.

DIVISION.— Northern Kistna

TALUK.— Bezwada.

DISTRICT.— Kistna

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

Financial Head— Provincial

Budget Head— Civil Buildings

Departmental Head— Original works

Main Head— 15 Medical

Sub-Head— 1 Hospital & Dispensaries

Project of which the work forms part—

Section—

Name of Work— Constructing Civil Dispensary and Quarters for Hospital Assistant at Bezwada.

Amount of Estimate— ~~Rs 13,600-0-0~~ 13700

To be carried out by— P.W.D.

REFERENCES.

1897 Pub. Dept. Encls. No. 6 To G. No. 2790

[1]

OFFICE OF SURGEON-GENERAL WITH THE GOVERNMENT OF MADRAS,

No. 72/257. Ootacamund 27th July 1897 ~~Madras, 1896~~

From

SURGEON-MAJOR-GENERAL C. SIBTHORPE, F.R.C.P.I.,
SURGEON-GENERAL WITH THE GOVERNMENT OF MADRAS,

To

THE HON'BLE THE CHIEF SECRETARY TO GOVERNMENT,
Public DEPARTMENT.

CHIEF SECRETARY GOVERNMENT OF MADRAS 27 JUL. 1897

SIR,

With reference to G.O.No.606, Public, dated the 10th July 1896, I have the honour to forward the accompanying plan and estimates received from the Superintending Engineer, II Circle, regarding the construction of a civil dispensary and hospital assistants' quarters at Bezwada.

2. He proposes that there should be three Public Works Department dispensaries in all, one being located at each of the stations noted in the margin. Considering the large scale on which the work of the Public Works Department is carried on in the Kistna District and the number of coolies consequently employed, the opening of these dispensaries appears very necessary.

Bezwada	1.
Viranki	1.
Jagarlamudi	1.

3. The total cost of constructing these dispensaries together with quarters for Hospital Assistants as stated by the Superintending Engineer amounts to Rs.51700 as particularised below:-

Veeranky - Kistna Eastern Division ------ Rs.19000.

Jagerlamudi - Kistna Western Division --- Rs.19000.

Bezwada - Kistna Northern Division as per plan and estimate. ----- Rs.13700.

4. It will be seen from the above that the cost of constructing the same class of buildings in Kistna Eastern and Western Divisions is in excess of the amount required for the Kistna Northern Division. This is chiefly due to the

the cost of carriage of materials and compensation for land in the event of suitable sites not being available on Government land.

5. In June 1897, I wrote to the Superintending Engineer that there was no likelihood of this expenditure being sanctioned and that some saving could be made by constructing the Hospital Assistants' quarters and dispensaries of semi-permanent materials but that officer does not acquiesce in this view.

6. I consider the following establishment and equipment are necessary for the sufficient working of these dispensaries:-

I. BEZWADA	Monthly cost.	Annual cost.
1st Class Hospital Assistant	Rs.55	Rs.660.
Charge allowance	Rs.10	Rs.120.
Compounder	Rs. 9	Rs.108.
Dispensary attendant	Rs. 6	Rs. 72.
	Rs.80.	Rs.960.
Medicines		Rs.400.
Instruments &c.		Rs.300.
Furniture		Rs.200.
Contingencies		Rs.150.
	Total	Rs.2010.

II. VIRANKI.		
2nd Class Hospital Assistant	Rs.35	Rs.420
Charge allowance	Rs.10	Rs.120.
Compounder	Rs. 9	Rs.108.
Dispensary attendant	Rs. 6	Rs. 72.
	Rs.60	Rs.720.
Medicines		Rs.400.
Instruments		Rs.300.
Furniture		Rs.200.
Contingencies		Rs.150.
	Total	Rs.1770.

III.

III. JAGERLAMUDI.	Monthly cost.	Annual cost.
2nd Class Hospital Assistant	Rs.55	Rs.420.
Charge allowance	Rs.10	Rs.120.
Compounder	Rs. 9	Rs.108.
Dispensary attendant	Rs. 6	Rs. 72.
	Rs.60.	Rs.720.
Medicines		Rs.400.
Instruments		Rs.500.
Furniture		Rs.200.
Contingencies		Rs.150.
	Total	Rs.1770.
	Grand Total	Rs.5550.

7. I also propose that there should be three Sanitary Inspectors who may daily inspect the encampments of the Public Works Coolies, many of whom are immigrants from other districts. The scale of pay and the establishment required for the inspection is noted below:-

	Annual cost.
3 Sanitary Inspectors at Rs.35 per mensem	Rs.1260.
Horse allowance at Rs.15 each per mensem	Rs. 540.
3 peons on Rs.7 each per mensem	Rs. 252.
Total	Rs.2052
Contingencies for the 3 Sanitary Inspectors at Rs.100 each per year	Rs. 300.
Grand Total	Rs.2352.

8. Should Government approve of these proposals, necessary orders may be issued in the Public Works Department for the construction of dispensaries and Hospital Assistants' quarters.

9. The delay in the submission of this letter was due to the non-receipt of plans and estimates till the 17th

July

July 1897 from the Superintending Engineer II Circle.

I have the honor to be,

Sir,

Your most obedient Servant,

C. Lindsay

Surgeon- Major-General,

Surgeon-General

with the Govt. of Madras.

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