

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public works* **DEPARTMENT.**

G.O. No. 1937	Press
243-244	Mis.
Dated 14-8	1872.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
14th August 1872.*

No. 243. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Secretary to Government, Public Works Department, dated Dowlaishweram, 18th July 1872, No. 1,444.—

ADVERTING to G. O. of the 14th May last, No 1,238, I have the honour to forward the designs for the additional buildings required for the new Native Infantry Hospital at Waltair, together with a block plan showing the arrangement of the buildings proposed apparently by a Committee at that station, and an estimate, amounting to Rs. 30,500, together with copy of the Executive Engineer's report, No. 44, dated 22nd June 1872.

2 General Block Plans
1 Detailed Plan of Hospital with latrine and cook-room
2 Detailed Plans of additional buildings
2 Abstract Estimates.
1 Specification
1 Copy of letter of Captain Beatty's, No 44 of 22nd June 1872

2. With reference to paragraph 4 of Dr Cornish's letter in the G. O. above noted, I beg to observe that the plan No. 43 of 1871 having been superseded by another standard plan by order of Government, the provisions made in the former cannot be adopted in the latter without their special sanction, and I therefore noted the further ordinary requirements of an hospital to secure these for the convenience of the medical officers

3. The Government having in paragraph 3 approved of pukka work in lieu of kutchra, this has been provided for throughout.

4. In the block plan sent to this office the main building appears to be well placed as regards the prevailing sea breezes from the east and south-east, but the infectious disease wards have been placed to windward of the quarters for Hospital Assistants and Native pupils; this arrangement I have altered, as shown in another block plan, providing latrines for the use of these people, and surrounding their dwellings with a compound wall.

5. The design for the infectious disease wards, prepared by the Executive Engineer, appeared to me to be more expensive than was absolutely required, Dr. Cornish apparently recommending only hutting (paragraph 4) for this purpose, but as kutchra work has been disapproved of by Government, I have prepared another design, estimated to cost Rupees 2,100 or Rupees 1,400 less than Captain Beatty's; this affords 100 feet superficial and 1,200 cubic feet per patient, with thorough ventilation above and below, by lengthening the building to 45 feet the prescribed quantity of 1,800 cubic feet per patient can be secured, but in a place like Waltair, where the air is almost always in free circulation, it does not appear to be absolutely necessary to incur the extra expense. I have omitted the side verandahs in this building and provided weather-boards for the windows, and I have also provided bath-rooms and privies in the building itself, as in such cases I believe Doctors object to the patients going outside.

6. In the quarters for the Hospital Assistants and Native pupils I have omitted the rear verandahs, which do not seem to be absolutely necessary and add a good deal to the expense, the total saving thus made in the proposed arrangements amounts to Rupees 2,900, the change made in the roofing not adding to the expense at the same time that buildings are better lighted and ventilated, except in the main building, which is in accordance with the standard plan, having the ordinary heavy tiled roof without any break, which greatly impedes the circulation of the air in the verandahs and obstructs the light.

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14th August 1872.*

7. I have made no provision for a dead-house or for stores outside the hospital, I understand a dead-house is to be built for the Civil Dispensary to which bodies can be removed, and the Sanitary Commissioner did not note that it was required, and as nothing was said about the medical stores, I presume the medical officer will have to provide accommodation for these in the main building.

No. 244. ORDER THEREON, 14th August 1872, No. 1,937.

MILITARY WORKS, No. 7.

WITH this letter the Superintending Engineer of the 1st Division submits a revised estimate of Rupees 27,600, reduced from the Executive Engineer's estimate of Rupees 30,500, for the Native Infantry Hospital at Vizagapatam including the additional accommodation for infectious cases, Medical Subordinates, Hospital servants, etc., called for in G. O. No. 1,238 of 14th May.

2. Of the various items of this estimate the following are approved, namely,—

	Rs.
I—Main Hospital	13,100
II—Latrine for Hospital	780
III—Cook-room	480
V—Medical Subordinates	3,330
VI—Latrine for do	530
VII—Cook-room do	250
VIII—Hospital Servants	1,280
IX—Wall and Gates	2,200
X—Levelling, Gravelling, etc.	910
XI—Purchase of site	1,500
£	24,410

3. Item No. IV., the infectious wards proposed by the Superintending Engineer are not approved; those designed by the Executive Engineer being more in conformity with medical requirements as to space and ventilation. Only, the back verandah may well be dispensed with, and a bath-room and privy provided in the side verandahs, for which the Superintending Engineer will submit separate revised plan and estimate. His arrangement of the buildings as shown in the block plan is approved.

4. The allowance for contingencies and superintendence has been reduced throughout the estimates from 10 to 5 per cent. The remark in paragraph 2 of the Superintending Engineer's letter is not understood, Plan No. 43 of 1871 being the latest standard plan, and not superseded by another as stated by him.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Acting Superintending Engineer, 1st Division.
,, Controller of Public Works Accounts.
,, Military Department.

Ed. S. T. Austin.

SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION
DOWLAISEWARUM, 18th July 1872

No. 1444
From

Lieutenant Colonel R. E. R.
Superintending Engineer

1st Division

To

Colonel G. S. Walker R.E.
Secretary to Government D. P. W.

1872
MADRAS

SIR,

I directing to G. O. of the 14th May
last No. 1238, I have the honor to forward
the designs for the additional Buildings re-
quired for the new Native Infantry Hospital
at Waltair, together with a block plan, showing
the arrangement of the Buildings proposed
apparently by a Committee at that station,
and an Estimate amounting to Rupees 30,500
together with copy of the Executive Engineer's
report No. 44 dated 22nd June 1872.

With reference to para 4 of Dr. Cornish's
letter in the G. O. above noted, I beg to
observe that, the plan No. 43 of 1871 having
not been superseded by another standard
plan, by order of Government, the provisions
made

made in the former, cannot be adopted
in the latter, without their special sanction,
and, I therefore noted the further ordinary
requirements of an Hospital to secure them
for the convenience of the Medical Officers.

3 The Government having in para
3 approved of pukka work in lieu of Kutcha,
this has been provided for throughout.

4 In the block plan sent to this
Office, the Main Building appears to be
well placed, as regards the prevailing sea
breezes from the East and South East.
but the infectious disease wards have
been placed to windward of the Quarters
for Hospital Assistants and Station Infirmary.
this arrangement I have altered, as shown
in another Block plan providing latrines
for the use of these people, and surrounding
their dwellings with a Compound wall.

5. The design for the infectious
disease wards prepared by the Executive
Engineer appeared to me to be more expensive
than was absolutely required. Dr. Formish
apparently recommending only hutting.
(para 4) for this purpose, but as Kutcha
work has been disapproved of by Govern-
ment, I have prepared another design
estimated to cost Rupees 2,100 - ~~or~~ ^{or}
Rupees 1,400 - ~~or~~ ^{or} less than Captain Beatty's,
this affords 100 feet superficial, and 1200
Cubic feet per patient, with thorough ven-
tilation, above and below, by lengthening
the Building to 45 feet the prescribed
quantity of 1800 Cubic feet per patient can
be secured, but in a plan like Dattam,
where the air is almost always in free
circulation, it does not appear to be absolutely
necessary to incur the extra expense.
I have omitted the side Verandahs in this
Building

No 1937

With this letter the
Superintending Engineer
1st Division submitted
revised estimate of Rs
27,600, reduced from the
Executive Engineer's Es-
timate of Rs 30,500, for
the Native Infantry Hos-
pital at Vizagapatam
including the additional
accommodation for
Infectious Cases, Medi-
cal Subordinates, Hos-
pital Servants &c,

P. M. 1872. No 1937
From
28.8.86

The Superintending Engineer,
First Division.

To
The Secretary to Government
Department Public Works
MADRAS

Dated 18th July 1872
Received 25th July 1872

NO. 1444
ENCLOSURE

Subject.

Towards plans and
estimate amounting to
Rs 30,500 for the additional
buildings required for the
new Native Infantry
Hospital at Vizagapatam

No 1937-1444/72

called for in L. O. No.
1238 of 14th May.

of the various items
of this estimate the fol-
lowing are approved,
viz:-

I. Main Hospital	Rs 13,100
II. Latrine for do	" 780
III. Cook Room	" 480
IV. Medical Subordinates	" 3,380
V. Latrine for do	" 530
VI. Cook Room do	" 250
VII. Hospital servants	" 1,280
VIII. Wall and Gates	" 2,200
IX. Levelling Graveling &c	" 910
X. Purchase of site	" 1,500
	24,410

Item No. IV, the Infec-
tious Wards proposed
by the Supr Engineer
are not approved; those
designed by the Executive
Engineer being better

planned and more in
conformity with the
medical requirements as
to space and ventila-
tion. Only the back
Verandah may well
be dispensed with and
a bath room and privy
provided in the side
verandah; for which
the Supr Engineer will
submit separate re-
vised plan and es-
timate. His arrange-
ment of the buildings
as shown in the

Black Plan is approved
The allowance for
contingencies and

For the purpose of
the estimate
the following
amounts are
estimated

Ch. 3056

Govt. of 1872, Madras.
PUBLIC WORKS.

To the Chief Superintendent
Engg. 1st Division

11

Dated

Recd.

Encl

G. O. 14th Dec 1872, No. 17037.

Nos. 2403 & 2444.

Native Infantry Hospital at
Waltan - Passing on
the plans & estimate for
the construction of additional
buildings required for the
new Native Infantry Hospital
at Waltan -