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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	384	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	12. 2.	195	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th February 1876.*

Read the following papers :—

No. 201.	Read again G.O., No. 1,081, dated 17th April 1875.			
No. 202.	Read also from Quartermaster-General, dated 26th Oct. 1874, No. 431. ✓			
No. 203.	From Suptg. Engineer, Chingleput,	"	27th ~~Dec~~ 1874, No. 3,012. ✓	
No. 204.	From Quartermaster-General,	"	1st Dec. " " 8,178. ✓	
No. 205.	From Suptg. Engineer, Chingleput,	"	13th Feb. 1875 " 3,851. ✓	
No. 206.	From do. do.	"	10th Mar. " " 4,180. ✓	
No. 207.	From do. do.	"	6th Nov. " " 3,292. ✓	
No. 208.	From do. do.	"	21st Dec. " " 3,959. ✓	
No. 209.	From do. do.	"	22nd " " " 3,991. ✓	

MEMORANDUM.

In attempting to draw up a report to accompany the plans and estimates for the proposed new Hospital at Poonamallee, similar to that called for by the Government of India with reference to the new Telegraph and Post Office at Madras, the Chief Engineer has found their imperfections to be so great as quite to preclude their being submitted in their present state with any hopes of their being sanctioned.

The papers recorded with G.O., No. 1,032, of 14th April 1875, show that the explicit orders of Government had to be called for by His Excellency the Commander-in-Chief with reference to enforcing conformity by the Superintending Engineer, Chingleput, with the views of the Medical Authorities regarding accommodation and ventilation. The plans and specification submitted with the Superintending Engineer's letter No. 3,292, of 6th November, were approved in due course by the Surgeon-General, British Medical Service, and by His Excellency the Commander-in-Chief, and appear to provide the accommodation decided on. But the information supplied by those documents, as to the nature and amount of the shaft ventilation, was so deficient in the plans and absolutely wanting in the specification, that the Chief Engineer addressed the Superintending Engineer in memorandum No. 882, of 18th December, calling for detailed information on the subject. That supplied in his letter No. 3,959, of 21st December, was so inconsistent with any theory of ventilation that has ever been approved, that as it was said to be in conformity with the Surgeon-General's instructions that officer had to be consulted personally. It was then found that he had overlooked the cross section on sheet No. 2 of the plans, wherein the arrangement, repeated in the margin of the letter last referred to, is shown. It is a gross absurdity, and unsupported by any description or drawing given in the book of suggestions for the improvement of Indian stations, lent to the Superintending Engineer by the Surgeon-General, in Plates IX. and XII. of which the fresh air inlets and shaft outlets for lower-storied rooms are shown with all details, which of course are subject to local modifications as to materials and arrangements, so long as the principle is worked out.

*Proceedings of the Madras Government, Public Works Department,
12th February 1876.*

The description of roof to be adopted was left for decision by the Public Works Department by order of His Excellency the Commander-in-Chief, in paragraph 3 of the Quartermaster-General's letter, No. 8,659, of 19th December 1874, recorded with the Government Order before referred to. The following correspondence took place on the subject, viz. :—

Quartermaster-General to Chief Engineer,	No. 481 of	26th October 1874.
Chief Engineer to Quartermaster-General	" 841	28th " "
Quartermaster-General to Chief Engineer	" 8,178	1st December "
Superintending Engineer to Chief Engineer	" 3,012	27th November "
Do. Do.	" 3,851	13th February 1875.
Chief Engineer to Superintending Engineer	" 257	6th March "
Superintending Engineer to Chief Engineer	" 4,180	10th " "

in the conclusion of which last letter *distinct instructions* as to the roof he was to estimate for were called for by Colonel Moberly. To which memorandum No. 297, of 16th March, distinctly replied "arrange for the use either of *flat terraces or sloping tiled roofs*." On finding therefore that *sloping or Bengal terracing*, which was specially objected to by the Chief Engineer for main roofs, had been entered in the specification, memorandum No. 896, of 21st December, was sent to inquire the reason of such disregard of instructions so specifically asked for and given. Memorandum No. 3,991, of 22nd December, simply regrets that Colonel Moberly overlooked the word "flat."

It turns out then that papers submitted by the Superintending Engineer, Chingleput, (the past delay in preparing which had been strongly animadverted on; the early submission of which was enjoined in G.O., No. 1,032, of 14th April 1875; regarding which the Chief Engineer had urged despatch in his memorandums of 19th April, 24th September, 11th October, and 4th November; which were urgently required to start work for which a Budget allotment of Rupees 25,000 existed,) cannot be disposed of owing to their not complying with the sanitary requirements insisted on, and the orders of the Chief Engineer. Looking to Colonel Moberly's antecedents with

See Government Orders, Nos. 768-B, 18th March, and 880, 2nd April 1875.

reference to the manner in which he has continually failed to meet the requirements of the Chief Engineer for Irrigation and of Local Fund Boards, the Chief Engineer cannot look upon these shortcomings as oversights, but as additional proofs of a perverse spirit of opposition which seems habitual to him, and, under the full conviction that progress with the important works of the Chingleput District can never be expected under his management, while he has proved himself utterly unfitted for the office of a Superintending Engineer, Major-General Walker has no alternative but to recommend that Colonel Moberly be reduced to the rank of Executive Engineer, 1st Grade, and removed to another District, as already threatened in G. O., No. 1,081, of 17th April 1875.

FORT ST. GEORGE,
January 1876.

(Signed) G. W. WALKER, Major-General, R.E.,
Chief Engineer, D.P.W.

No. 210.

ORDER THEREON, 12th February 1876, No. 384.

ESTABLISHMENT, No. 10.

THE Governor in Council decides that it will be for the advantage of the public service that the charge of the Chingleput

*Proceedings of the Madras Government, Public Works Department,
12th February 1876.*

District be placed in other hands, and for that purpose directs the following appointments :—

Mr. O'Shaughnessy, recently appointed to Tinnevely District, but who has not yet proceeded to join, is appointed to the charge of Nellore, vacant by the death of Mr. R. Smith.

Colonel Moberly, R.E., appointed to the charge of the Tinnevely District.

Colonel Moberly will give up charge of the Chingleput District, and also the papers connected with the proposed Hospital at Poonamallee, to Captain A. C. Smith, R.E., who will hold the appointment in addition to his range charge until relieved shortly by Major P. Montgomery, R.E., expected from home; and Colonel Moberly will arrange to proceed with reasonable despatch to take charge of his new district.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Chingleput, with original enclosures.

duly kept.

Exd. S. T. Austin.
Spare Copies

proven

2
QUARTERMASTER GENERAL'S OFFICE,

Head Quarters Ootacamund,

26 October 1874.

No. 481.

FROM

Brigadier General A. Howlett C.B.
QUARTER MASTER GENERAL,

TO

Colonel G. W. Walker R.E.
Secretary to Government
Public Works Department.

Sir,

I have the honor to forward a sketch Plan with specification for the proposed new Barrack at Poonamallee, now received from the Officer Commanding Centre District for the Commander-in-Chief's inspection. —

2. His Excellency would be obliged if you would favor him with your views, particularly with reference to the Roof, whether from the nature of its proposed construction it is likely to afford sufficient protection from the sun and heat and prove

6
prove a durable work. The Com-
-mander in chief considers that
these are two very essential points
in constructing the new Buildings
for the Convalescent Depot at Poona-
-mallee.

3. The favor of an early
reply is requested.

I have the honor to be,
Sir,
Your Obedient Servant,
Humble Brig. Genl.
Quarter Master General.

MMJ

1841
10.23.41

1841
10.23.41

6
prove a durable work. The Com-
-mander in chief considers that
these are two very essential points
in constructing the new Buildings
for the Convalescent Depot at Poona-
mallee.

3. The favor of an early
reply is requested.

I have the honor to be,
Your Obedient Servant,
Humble Brigadier
Quarter Master General.

MSJ

1834

1834

No. 871, 28 October 1871.

To
The Quarter Master General
Sir,

I have the honor to return the
accompaniments of your letter No. 481
of 26 October and to state for the informa-
tion of His Ex. the Commr. in Chief that
I see no reason for preferring the roof pro-
posed by Holt's brother to that ordinarily
used. I should be apprehensive of great
difficulty in making that style of roof over
a wide space water tight in the first
instance and believe it would soon fail
and give endless trouble & annoyance
afterwards. In other instances in the
Cuddeputah District have come to my notice
late, in which similar roofs over the main
rooms of buildings have turned out failures.
The plan seems only applicable to small
Verandahs. And it is quite incompatible

O. G. 1871-1872

No 6723d.

Thru

The Quarter Master General

To Mr. Secretary
J. P. M. R.

Dated 26th

Recd: 28th Octr:

Encl: 1st 2nd 3rd

Ann: 8122540 481.

Office - Forwarded for
specification for the
purpose of new barracks
at Poonamallee. —

Ann: 871-23-16/11/11-

with ridge Ventilation if required.

I have not sufficient information
before me to give any opinion as to other
details. The attempt at ornamentation
in the Centre of the front elevation might
be dispensed with.

Yours faithfully
The District Engineer

Chief Engineer
Department of P. W.

Chief Engineer
Department of P. W.

Chief Engineer
Department of P. W.

Chief Engineer
Department of P. W.

Chief Engineer
Department of P. W.

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Chief Engineer
Department of P. W.

Chief Engineer
Department of P. W.

No 3012
Chief Engineer's Office
Grindy 27 Nov 1874

From
The District Engineer
Chief Engineer

To
The Chief Engineer
Department of P. W.

Sir,

Referring to your No 841 dated
20th ultimo to the Quarter Master
General regarding the roof which I
have proposed to put on the barracks
at Poonamallee I have the honor to
submit the following remarks for
your consideration and for instructions
for my future guidance.

I find from experience that
there is scarcely any large terraced
building of modern construction that
does not leak. The still incomplete
barracks at the Mount are by no
means watertight. The roof has
been laid without any bond walls,
the beams and joists have also
sagged slightly in the centre, the
consequence of this is that at their
ends the terracing is cracked. Bind-
ing walls put in the beams now

will I fear do very little good but add to the weight and make the beams curve more than before.

3 Tiles I imagine cannot be used on a building, the roof of the verandas of which are accessible to soldiers. I do not think on the whole that they are satisfactory.

4 Looking over the Roorkee Prof. Papers I found a remark at Page 205 - Volume I by the Editor concluding his observations on roof that a "trussed roof with a very slight pitch (say 10°) covered with flat bricks and lime terrace is about the best we know."

5 Variations of this work are used in the High Court Allahabad, the barracks at Nowshera, Railway Station at Calcutta, and the Punjab Exhibition building, though generally roofs in the North of India are of iron or slate so far as the reports in the Prof. Papers inform me.

6 An ordinary terrace roof is bonded so firmly with the joists that any alteration in their form cracks the rigid masonry between them. I thought this would be avoided by the comparative looseness

of flat tiles lying on sleepers, and made into a mass of covering by their being built together with mortar. This mass would not be affected by the ordinary slight change of form in a timber roof, which would be diminished also by its being trussed.

7 We have had great difficulty in getting wood for the girders of the Royal Artillery Barracks at the Mount. They are of such a scantling that we possess no knowledge of their condition at heart. The wood in a trussed roof is so much smaller that we can scarcely fail to see any fault that may exist in it.

8 If however there be any doubt as to my reasoning, I would ask permission to put up one bay, 10 feet long which can be fully and fairly tried before we require to alter roof any building at Poona. It will probably cost Rs 236 but nearly the whole of it can be used again. I believe its original cost would be much less than that of any other roof and its repair less.

than the average.

9 I have deliberately omitted ridge ventilators. Practically I find that they are very much disliked, and when complaints have been made regarding their excessive draughtiness or drifting of rain they have been partly or entirely closed by boards. If however they are considered necessary, I see no reason why they should not be as easily fitted to the roof proposed by me as to the ordinary tiled roof.

10 In the cases in question I have designed for the insertion of ventilators in the wall space between the roof of the veranda and of the main building, screened in some degree by the eaves of the latter and provided with shutters.

I have the honor to be

Yours Most Obedient Servant

J. H. [Signature] Colonel R.E.
District Engineer
Chungking

Quarter Master General's Office

P

P.W. Div. 12th July 1875
No 203

R. W. 1874 Department
From ~~28~~ 7/4/68
The Dist Engineer
Chingleput
To
The Chief Engineer
Department of P.W.

Dated 27th Nov 1874
Received 28th

No 3012

Submits his remarks for the consideration of the Chief Engineer regarding the roof which he proposes put on the Barracks at Ponnammallee

Memo: to 257 of 6-11-1875

No 203-

No 3851

Chingleput District Engr's Office,
Quindly, 13th July 1875.

From
THE DISTRICT ENGINEER,
Chingleput.

To
The Chief Engineer
D.P.W.

Sir,
I have the honor to request that you will favor me with your views regarding the roof which I have proposed to put on the barracks at Ponnammallee referred to in my letter No 3012 dated 27th Nov. last.

Cur
7/4
Not in office

I have the honor to be,

Sir,

Your most obedient Servant,

[Signature]

Colonel, R. E.,

District Engineer Chingleput.

W. 1875 Sept.
From *Sup. No. 99*
THE DISTRICT ENGINEER,
CHINGLEPUT.

To *Pres 13 July 1875*
THE *Chief Engineer*
D. P. W.

Dated *13 July 1875*
Received *15*

No. 3857
ENCLOSURE.

*We are in full
accord with his views
regarding the roof which
he proposes to put on the
Dumraon office barracks.
No. 2577 to be built.*

Quarter Master General's Office,
Fort Saint George. 15 Decr 1874.
No. 8178.
From

Brig. Genl. A. Howlett C.B.
Quarter Master General.

To Colonel G. W. Walker R.E.
Chief Engineer & Secy: to Govt.
Public Works Department.

Sir,
With reference to recent suggestions for providing Bengal roofs to Military Buildings, I have the honor, by order, to annex Extract from a report just received in this Office regarding the roof of the Female Hospital at Bellary.

Extract.

"The roof of the Female Hospital"
"is of the description styled Bengal"
"terraced and it stood well the"
"heavy bursts of rain during the"
"Monsoon, but latterly, there having"
"been continuous soaking rain for"
"a week which did not run off"
"freely."

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12
No 284

Memo

In reply to letter from
the Superintendent Engineer,
Chingseput, No 3812 of 27th
November 1874 and 3857 of 13th
February 1875, the Chief Engineer
regrets that he is unable to over-
come his prejudice in favor
of the price of the ordinary terrace
or tiled roof for the buildings
at Ponnasallee. He has been
informed within the last few
months that the Bengal Terrace
Roof of the Female Hospital
at Bellary has failed to stand
the effects of the last Monsoon
Rains there, becoming saturated
with moisture and leaking
all over.

Colonel Walker does not
think that the repetition of
para 3 of Col. Fisher's 1st Bill
is

is altogether valid. But at any rate it may be overcome by altering the arrangement of roofs. If he felt at liberty to experimenting in any way, Colonel Walker would be inclined to try Mr Clark's system of Fixed Arched Roofing, as shown in the accompanying pamphlet (to be returned). But any experiments of the sort would probably not be sanctioned in the first instance on a large scale, or Train Buildings.

Signed / G. B. Walker Colonel R.E.
Chief Engineer D.M.

For S. George
6th March 1875.

To The Superintending Engineer
Chingleput

13 No 4180

Super Engineer's Office Chingleput
Gumidy 10th March 1875.

From The Superintending Engineer
Chingleput

To The Chief Engineer
Department Public Works

Enclosure 1
1 Pamphlet

Sir, I have the honor to return the pamphlet forwarded with your No 257 dated 6th instant.

2. The arched roof is by no means new in this Presidency; barracks and traveller's bungalows in many cases were built with them. The tie has been used by me & walls pressed out of the perpendicular by the strain of their roof for years, an instance of it is in my office at Gumidy. The arrangement of building a plate into the wall is new.

3. The objection to arched roof has however always been their noisiness. The echo in a Traveller's bungalow is most annoying; in a barrack it must be very much worse.

4. The roof proposed by Mr Clark is doubtless cheaper than our ordinary roof and if my remark as to its noisiness is not considered good, it may be used at Poonamallee. But if I understand Messrs Wright

you are doubtful whether the Government
would allow it.

5. If my plan be allowed the
girders on the lower story might be
"sandwiched" as shown in Mr. Clark's
figure 10 to very good effect. The roof
for the upper story proposed by me
is trussed and therefore tied.

6. I request that I may have
distinct instructions as to the roof
which I am to estimate for, as I daily
expect some expression of opinion
regarding the ground arrangements from
the Military authorities.

I have the honor to be
Sir

Your most obedient servant

J. H. B. S.

Colonel R. B.

Supp. Engr. Chingapat

No 652.

With reference to letter No 3107 of
23 October 1875 the Super Engineer
Chingleput is requested to report the
date of despatch from his Office of the
fair copy of the Plans & Estimate of the
Poonamallee Hospital accompanied
by the site plan and approximate
Estimate alluded to in G.O. No 1032
of 14 April 1875.

Sd/- G. W. Knapp Smith Esq.
Chingleput

For exchange
4 Nov 1875

Sd/-
The Super Eng. Chingleput

At Chingleput Memo No 561 of 23 Oct 1875.
" " " 257 of 23 Oct 1875.
" " " 6-Hand 175 and 182
" " " 927-7428-9548

P. W. No. 1875 Sd/-

The Super Engineer

Chingleput

No 1620
The Chief Engineer

Dated 9 10 75 March 1875

Received

Sd/- 11/10/1875

Sd/- 11/10/1875

Sd/- 11/10/1875

and was received in the
Poonamallee both in

kindly Barnard's

Sd/- 11/10/1875

the said document a good copy
by them.

Memo No 297 of 16 March 1875

No 1207 of 76 Oct 1875

NO. 3107

CHINGLEPUT SUPERINTENDING ENGINEER'S OFFICE,
GUINDY, 23rd October 1875

From

THE SUPERINTENDING ENGINEER,

Chingleput.

To

The Chief Engineer
Public Works Department.

Sir,

In reply to your No. 648 of
11th instant, I have the honor to
observe that the Surgeon General
has only a rough draft of the ground
plan of the proposed hospital at Poona-
mallee. The fair copy and estimate
are now in hand and will I hope be
forwarded by the end of the month.

I have the honor to be,

Sir,

Your most obedient servant,

R. E. M. S.

Colonel, R.E.

Superintending Engineer Chingleput.

N. 206.

No 687.

The Chng has the honor
to forward to the Quarter Master
General the accompanying Plans
and Estimates for the proposed
hospital at Romamallee, for the
approval of H.R. the Commander
in Chief.

W. H. W. M. M. M.
Chng. D. R. W.

1. Plans in 2 sheets
1 Specification
1 Estimate

The Quarter Master General
with 4 Enclosures

1075
No. 68744

From

THE DISTRICT ENGINEER,

CHINGLEPUT.

To

THE

Chief Engineer
Q. J. P. M. M.

Dated

23rd

Octo

1875.

Received

Chng. No 652 of 6875

No. 2107

ENCLOSURE.

States that the

Chng. General only

has the honor to

be provided with

the proposed

hospital at

Romamallee but the

same copy and estimate

will be sent by

and of the

same

No 3088
75
Surgeon General's Office
B.M.S.
Fort St. George 10th Nov. 1875

Memorandum

The Surgeon General,
B.M.S., has the honor to return,
with his approval, the plan and
specification of the proposed
Panama Canal Hospital, received
with memo No 678 of 9th instant.

[Signature]
Surgeon General
B.M.S.

To,
The Chief Engineer P.M.D.
Fort St. George

memo

No 689

Surgeon General's Office

x 2. Sheets

22
Specification for the Hospital at Ponnammallee.

The building is to be raised on a basement 3 feet in height above foundations which are to be sunk 4 feet resting on a base of concrete 1 foot thick.

The principal walls are to be 20 feet high, those of the lower veranda of the same height, that of the veranda in the upper story only 15 feet high; in lower story ^{side walls} 2 feet thick in upper $1\frac{1}{2}$

The abutments and piers of the arched verandas are to be built of laterite with plinths and capitals of granite from ~~Trivany~~ or Sholingur. the surfaces to be hammer dressed. ventilators with swing shutters to be built in the spandrel walls.

The arches on the lower floor are arranged to exclude the glare of the sun and to afford as much circulation as

Q. N. 1895-2243
June 1895

The Surgeon General

1895

1895

1895

1895

1895

1895

1895

1895

No. 12 - Feb 10 O.N. 384

possible - the veranda of less height in the upper story allows of lower arches.

It is proposed to insert the zinc drain pipes from the roof flush with the walls; square holes for their passage being cut through the granite slabs.

The roof to be of ordinary terracing on a slope, so as to allow of trusses and to avoid the contraction consequent on the use of beams of so great a length. The ridge ventilator is provided with hinged shutters to exclude drift-rain.

The building is to contain 2 wards 130 feet long, 2 wards 104 feet long, and 2 rooms 24 feet long, 24 feet wide in lower, 25 feet in upper story; the lavatories (4 in number, 2 on each floor, each containing 2 tubs, and 17 washhand basins) are to be constructed in the front angles of the veranda. They are to be supplied by pipes and taps from cisterns on the ceiling of the rooms, under the pointed roofs.

The basins will be of enamelled iron bound with copper hoops and trunnions so that they can be tilted in position. Their contents and those of the tubs to be carried away by drain pipes into the main drain in the fort ditch and thence to the tank of Chinaman Naiken-kupum. The latrines (also in both floors each affording 4 seats, 16 in all) are to be in rear of the angles of the main building, connected with it by galleries the walls of which are to be built with open tiled work above 6 feet from the floor. Two swing doors will shut off each passage from the veranda of the main building.

The floors of all wards &c. to be of asphalt or concrete.

A central staircase of stone is provided - and brick masonry steps

for access to the latrines on the upper floor. but arrangements might be easily made for continuing the shoots from the upper floor to receptacles below.

H. Mobery Colonel R.E.
Superintending Engineer
Chingleput

Nov^r 2 1875

I consider it would be preferable to remove the contents of the privy pans from the latrines on the upper floor in the usual way by hand. With this exception I approve of the Specification and plans.

Surgeon General
P. M. C. Pontrebo Force

Large Gmbs office
8th fl.
Lat St Garage 10 Nov/75

~~22-2152~~ / 75
22-2152 / 75
22-2152 / 75

Quartermaster General's Office
Fort Mifflin 15th Nov 1875.

✓m. W.

No 7152

24

Memorandum

With reference to Memo.
No 687 of 11th Instant, the Quarter
Master General has the honor to
return to the Chief Engineer the
Plans and Estimates for the
proposed Hospital at Poona and
duly approved by His Excellency
the Commander in Chief.

By order

Bruck Brigadier
Quartermaster

F.

The Chief Engineer.
P. N. D.

No 648

Memorandum

With reference to the letter from
the Superintending Engineer Chief of No.
2134 dated 27th September 1875, the Chief Engineer
has the honor to enquire how soon the
plan and Estimate for the new Hospital
at Poona Malher may be expected, as it
is understood that the Surgeon General
British Medical Department has dis-
posed of them.

1 Lieut. L. H. Walker Major Genl. N. &
Chief Eng. P. W. D.

Rotterdam
11th Oct. 1875 }

To
The Superintending Engineer
Chingford.

Ch. 6229

1875 Oct 14 p.m.

Pharm. No. 7328

Mr. General

9

The Chief Engineer

to Philadelphia

1843

2 Plano A & Co
X 2 1864

[illegible]

7-6-30

St. John the Apostle

Wm. L. G. 1860

at 10 p.m. at the
residence of Mr. Jones.

the Bird

No. 286

Supr
CHINGLEPUT DISTRICT ENGR'S OFFICE,
Guindy, 23 April, 1875.
76

From

Supr
THE DISTRICT ENGINEER,

Chingleput.

To

The Chief Engineer
D. P. W.

SIR, Referring to para 2 Memo No 424 dated 19-1-75, I have the honor to report that the plan of the hospital at Poonamallee is under consideration by the Military authorities, as there were difficulties in the ground required to meet the wants of the Medical Department.

2. The fort ditch and the present hospital (only a part of which is to be removed) hamper us in space.

3. I take the opportunity of suggesting for consideration that if the Arsenal buildings are to be constructed at Anady, it would be economy to transfer the Poonamallee depot to it and let its European soldiers constitute the garrison, instead of a detachment from Madras. —

I have the honor to be,

Sir,

Your most obedient Servant,

H. M. S. S.

Colonel, R. E.,

Supr District Engineer Chingleput.

3578
S. 1875-68

Recorded

1875-68

Mr. 1875-68
on 27/31
THE DISTRICT ENGINEER

CHINGLEPUT,
THE CHIEF ENGINEER
27/31
April 1875

No. 286
ENCLOSURE.

Reports that the
the Hospital at
matter as matter
denatured by the
authorities and
difficulties in the
stomach required to
must the wants of
Medical Department
Memo No 459 of 19-4-75

Sp 678.
The Ching has the honor
to forward for approval to the
Surgeon General B. M. S. the
sheet accompanying plan & specifi-
cation of the Hospital proposed
to be built at Ponnammallee.

W. G. W. M. S. M. S.
Ching O. R. S.
L. G. W. M. S. M. S.
9 Nov 1875

To the Surgeon Genl B. M. S.
with 3 enclosures

From

THE SUPERINTENDING ENGINEER,

Chingleput.

To

The Secretary to Government
Department of Public Works.

Sir,

Enc: 1. I have the honor to forward
2. Plans and estimates of the proposed
hospital at Pondanville which
Specification have been delayed by unforeseen
Report accidents to my draftsmen.
Estimate
Sent separately 2. The side plan and approxi-
-mate estimates will I hope
be despatched early next week.

I have the honor to be,

Sir,

Your most obedient Servant.

R. E. Hobbs

Colonel, R.E.

Superintending Engineer Chingleput.

Ch: Inq: Memo:

No. 6787

9/4/75

Received

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

10/10/75

No. 3843.

CHINGLEPUT ^{Super} ENGR'S. OFFICE,
Camp Chingleput
12th February 1875.
J. B. 13

From

^{Super}
THE DISTRICT ENGINEER,

Chingleput.

To

The Secretary to Government
Department Public Works

Sir,

Referring to my letter No. 3890 dated 29th ult. I have the honor to observe that the quantity of wood required for the next official year for works in the Mount Range should be reduced from 18000 cubic feet to 7000 cubic feet. 17300⁰⁰ having been included in the former for Poonamallee Barracks &c. which have not as yet been designed in detail and it is likely that it will be a long time before estimates for these works are sanctioned.

I have the honor to be,

Sir,

Your most obedient Servant,

Colonel, R. E.,

^{Super} District Engineer Chingleput.

To

THE DISTRICT ENGINEER,

CHINGLEPUT.

From

Dated

Received

No. 3892

ENCLOSURE

3 inches of wood

of wood of the

to be used for

to be used for

to be used for

to be used for

to be used for

to be used for

to be used for

No. 424

Memo: 30

The Super Engineer is requested with reference to his letter No. 3843 dated 13th February 1875 to make his own arrangements for the supply of the small quantity of wood required by him in 1875-76. He is requested to be so good as to hasten the submission of the detailed plan and Estimate for the two storied Hospital at Poonamallee as soon as possible, giving this work priority over that for the Barracks.

17th April 1875 Signed J. H. Walker D. E. S. Chief Engr. P. W. S.

1555
No. 110023
18th Nov 74 - 142
7th Dec 74 - 44
13th Feb 75 - 199
Memo No. 197 of 19/2/75
1875 - 2/3/75

P. W. 1875 D. E. S.

From

Chief Engr. No. 996
THE DISTRICT ENGINEER
CHINGLEPUT.

To

THE District Engineer
Chingleput.

Dated

Received 15th February 1875

No. 3843.

ENCLOSURE.

Request that the

Correspondence may be made in the usual way of the work required by the District Engineer.

Chief Engr. P. W. S.

No 882

Memo

With reference to the ventilation
chapt shown in the section of the walls
of the new Hospital for 90 patients pro-
posed to be constructed at Bonamallee
for which an estimate without number
dated 6 November 1875 has been sub-
mitted by the Supergr of Chingleput
no mention being made in the specification
of the system of ventilation proposed to
be adopted and the single section given
leaving the question obscure, the Chief
Engineer requests the Supergr to be so
good as to furnish him with a memo-
randum describing the system of
ventilation provided for, accompanied

by, a pencilled plan, section and
elevation of one ward illustrating the
same.

/ By Order

Col H. Farewell Colonel

Offg Dy Chief Engr

18th Decr 1875

To The Supy Supt Chingdeput

No 896

Memorandum

32

With reference to the difficulties
of site alluded to in Colonel Ingham's
letters No. 286 and 2624 of 23 April
and 27 September respectively, and
the site plan forwarded with his letter
No. 3292 of 6 Nov 1875 the Chief Engr
has the honor to inquire what ob-
stacles exist to prevent the site
of the new hospital being moved
some 10 yards further East so as
to bring the foundations of its west
end clear of the old Fort ditch.

The Chief Engineer desires also
to be informed why his specific in-
structions in Memo No 297 of 16 March
to arrange for the use either of flat
terraces or sloping tiled roof for the
Ponnamalle Barracks have been

2. 11. 1875
Memo No. 648

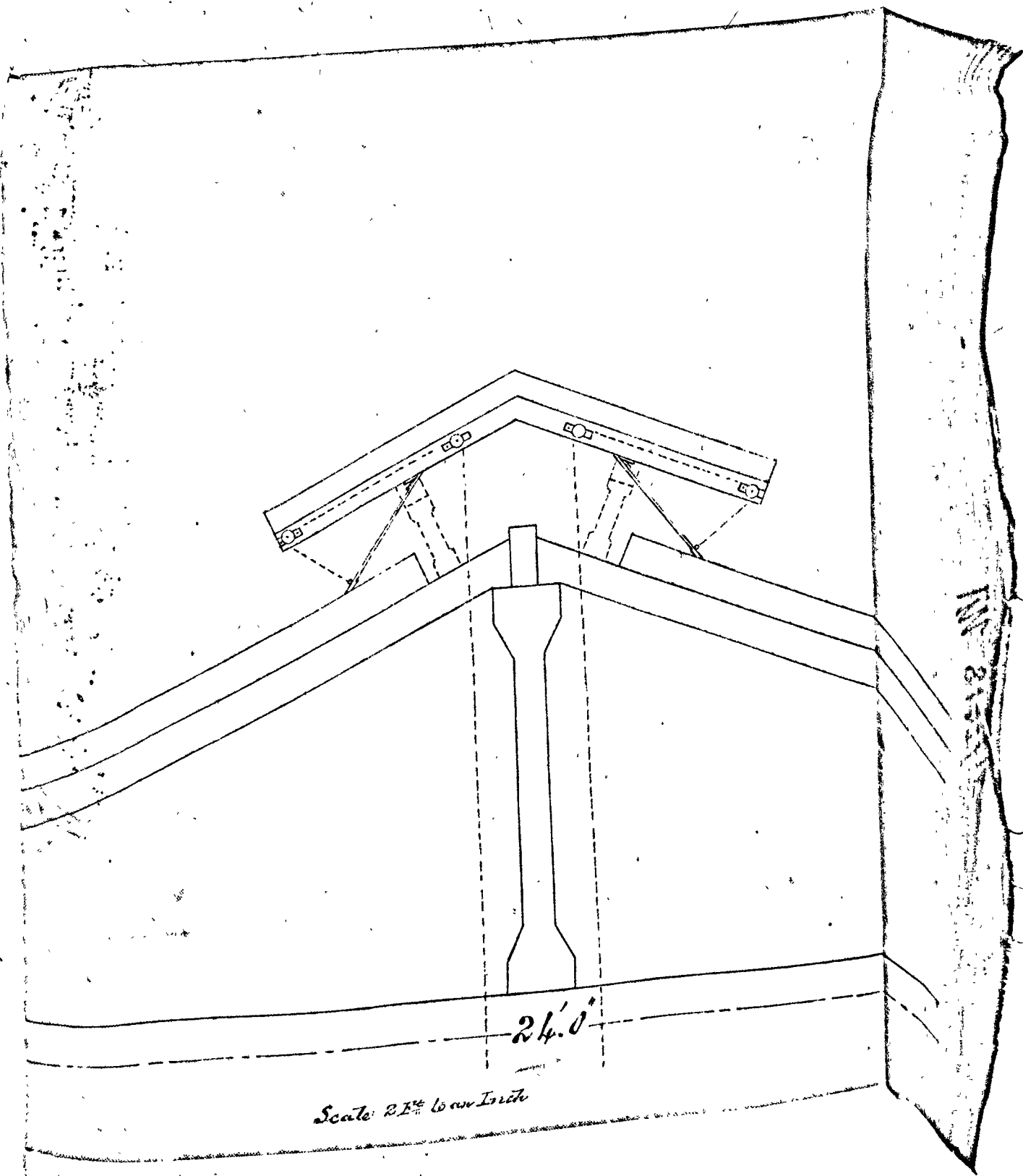
2. 11. 1875
Memo No. 678

disregarded and a sloping terraced
roof estimated for.

Signed G. Whalley Major Genl M.S.
Chief Engineer O.P.W.

Lt Col George
25 Decr 1898

To The Subyng Ching Superintendent



NO. 3959

SUPERINTENDING ENGINEER'S OFFICE,
KANK, 21 Decr 1875.

Withhoff 34

From

THE SUPERINTENDING ENGINEER,
Chingleput District.

To

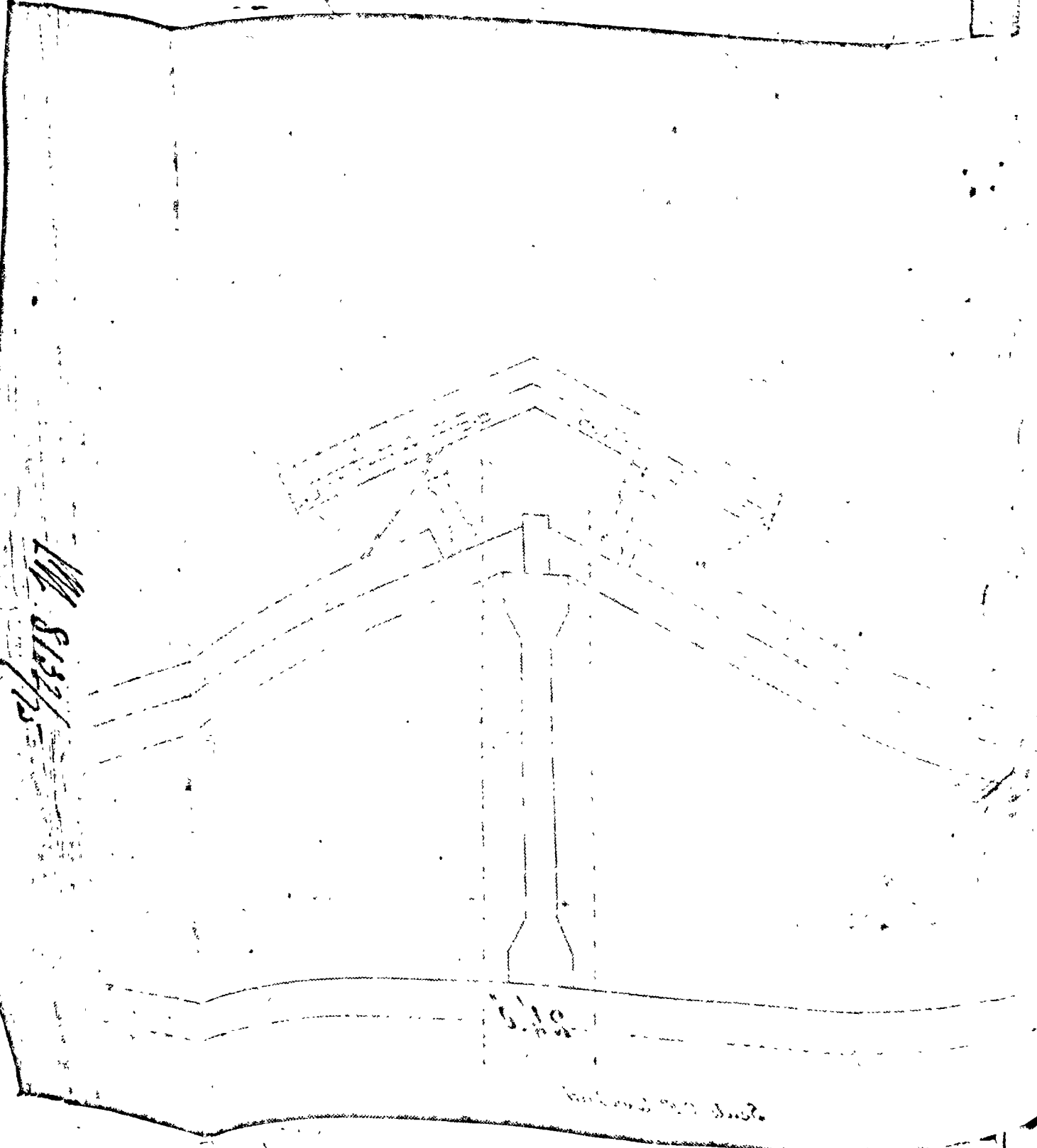
THE Offg Deputy Chief Engineer,
Public Works Department.

Sir,

*Enc.
1 Tracing*

In reply to your Memo No 882
of 18th instant, I have the honor to
send a tracing of the section of the
ridge ventilation shewing the shutter
proposed to be used. It is copied
from a pamphlet of suggestions
by a Sanitary Commission which
was obligingly lent to me by
Surgeon General Gordon. B.M.S.

I propose also at his request
to omit certain parts of the solid
brick wall, aligning it by earthen
pipes or circular bricks, to form



W. S. S. 1/2

Memo
No 918. of 28th December 1875-

With reference to his letter No 399 of 22nd December 1875, the attention of the Lt. Col. Supmire Chingpui is called to the final portion of Memo No 896 of 1st September regarding the removal of site of the proposed new Hospital some 10 yards further back, which has not been replied to as before.

(Signed) by W. Walker
Major Genl. R.E.
Lt. Col. Supmire Chingpui.
Lt. Col. Supmire Chingpui.

1st Feb 1875. Capt.

The Lt. Col. Supmire

Chingpui

No 8132

& the Lt. Col. Supmire

Chingpui.

Lat 21

Long 22

No 3959

Towards a tracing of the
section of the ridge with the
showing the shelter to protect
to be used on the new hospital
at Ponnawalla, and also
inform that Captain
Chingpui may be 6" from
the floor.

P.W. - Proo = 12 Feb 1875
No 208.

No 208

N^o. 4009

Ching's Sup. J. Engr's Office
Mount 30th Dec^r. 1875

37

From,

The Superintending Engineer
Ching's District

To,

The Chief Engineer
Department Public Works

Sir,

In reply to your N^o 918 of
28th instant, I have the honor to report
that the site was selected by the
Committee I believe to afford as much
air as possible to the single storied
block of the existing hospital which they
proposed should remain intact, and
which lies to leeward of the new build-
ing as regards the prevailing wind
at Panama from the South.

2 As it is it will cover nearly
half from direct action, and if moved
further east, will narrow the passage
for air - it will moreover bring the
hospital still nearer to the infectious
disease

3^a
disease ward which is to stand from
the present East block.

3 These were I believe
the grounds on which the Committee
selected the site.

The foundations are now
clear of the ditch.

I have the honor to be

Sir

Yours most obed^t Serv^t

A. Roberts

Col. R. E.

Sup. J. Eng^r. Chas^t. D^t

CP 8256

No 921. Arrived

With reference to the last sentence of letter from the Superior Chingsept No 4009 d/20 Decr, the Chingsept has the honor to forward the site plan submitted with General Crockerly's No 3413 of 14 November and to request that the exact position intended for the Hospital clear of the Ditch may be precisely defined therein and the distances clear of the Ditch marked in feet. Also that the various corners of the other Buildings within the Fort precincts may be marked on the Site plan; speedy return of which is requested.

Sd J. W. Crockerly
Chingsept D.R.

3d Decr 75

S. E. Chingsept with plan

P. W. W. 1875 Dec 15
From No. 8256

The Chief of Engineers
Camp L. D.C.

Do. The Chief Engineer
D. A. Works

Dated 30th Decr 1875
Recd 31st Decr 1875
Chingsept No 921 d/20 Decr 75

Reports that the

site was selected

by the Committee to

afford as much
clear as possible to the
single storied
of the existing
perfect at present

[Faint handwritten notes at the top of the left page, mostly illegible.]

[Faint handwritten notes at the bottom of the left page, mostly illegible.]

NO. 4059

Chingleput Superintending Engineer's Office,
Mount 6 January 1876.
Chingleput.

From

THE SUPG. ENGINEER
Chingleput.

To

The Chief Engineer
Department Public Works.

SIR,

Enc.
1 Plan

With reference to your
Memorandum No. 924 dated 31st
ultimo, I have the honor to re-
submit the site plan shewing
the new buildings at Poornamallee
with the information called
for marked thereon.

I have the honor to be,

Sir,

Your most obedient Servant.

R. E. E.

Colonel, R. E.
Superintending Engineer Chingleput.

I am attempting to draw
 up a Report to accompany the
 Plans and Estimates for the
 Hospital here. I hope to have
 Principal, Committee to thank
 called for by the Government
 India with reference to the
 New College of Medicine. I am
 at present in the Chief Engineer's
 hands and then in the hands of
 the great authorities to be
 their being submitted by their
 present order, with any
 their being sanctioned.
 The papers are recorded with the
 No 1032 of the April 1873. There
 explicit orders of Government
 had to be called for by the
 Secretary the Commission in
 Chief with reference to the
 conformity by the Superintendent
 Engineer, Chief Engineer, with the views
 of the Medical Authorities
 regarding the arrangements and
 the hospital.

To
 THE SUPR. ENGINEER
 CHINGLEPUT
 19th 1876

THE
 Chief Engineer
 G. J. Marks

Dated 6th May 1876
 Received 8th May 1876

No. 1059

ENCLOSURE 1

Chief Engineer
 Chingleput

the site of the new
 buildings at
 Chingleput

with the information
 called for by the
 Government

19-2-76

3
ventilation. The Plans and Specification submitted with the Superintending Engineer's letter No 3292 of 6th November were approved in due course by the Surgeon General British Medical Service and by His Excellency the Commander-in-Chief; and appeared to provide the accommodation decided on. But the information supplied by those documents as to the nature and amount of the shaft ventilation, was so deficient in the Plans and absolutely wanting in the Specification that the Chief Engineer addressed the Superintending Engineer in Memoirs No 882 of 18th December calling for detailed information on the subject. That supplied in his letter No 3959 of 21st December was so inconsistent with any theory of ventilation that has ever been approved, that as it was said to be in conformity with the Surgeon General's instructions that officer had to be consulted personally. It was then found that he had overlooked the

the Cross Section and Sheet No 2 of the Plans, wherein the arrangement, repeated in the margin of the letter last referred to, is shown. It is a gross absurdity, and unsupported by any description or drawing given in the book of suggestions for the improvement of Indian stations sent to the Superintending Engineer by the Surgeon General, in Plate IX & X, which the fresh air inlets and shaft outlets for lower staid rooms are shown with all details; which of course are subject to local modifications as to materials and arrangements, so long as the principle is worked out.

The description of shaft to be adopted was left for decision by the Public Works Department, by order of His Excellency the Commander-in-Chief in para 3 of the Manual Master General's letter No 8659 of 19th December 1874.

Recorded.

le free added into the P. O. before
 referred to. The following correspondence
 took place on the subject:
 Master General to Chief Engineer 1818-26th Dec. 1874.
 Chief Engineer to Master General " 541-28th " "
 Master General to Chief Engineer " 8178-1st Dec. "
 Superintending Engineer to Chief Engineer 3012-27th Nov. "
 Do " " 3881-13th July 1875
 Chief Engineer to Superintending Engineer 257-16th March "
 Superintending Engineer to Chief Engineer " 4180-10th March "
 In the conclusion of which last letter
 District instructions as to the roof
 was to estimate for, were called for
 for by Colonel Motely. To which he
 No 297 of 16th March immediately replied
 "arrange for the use either of flat terraces
 or sloping tiled roofs". On finding
 therefore that sloping or Benign terracing
 which was specially objected to by the
 Chief Engineer for main Roofs, had
 been entered in the specification,
 Memoir No 96 of 21st December was
 sent to inquire the reason of such
 disregard of instructions, & specifi-
 cally asked for and given. Memoir
 No 3991 of 22nd December simply
 regrets that Colonel Motely
 overlooked the word "flat".

It seems out then that papers
 submitted by the Superintending
 Engineer, Chief Engineer (the past delay,
 in preparing which had been strongly
 animadverted on; the early sub-
 mission of which was enjoined
 in O. G. No 1032 of 11th April 1875;
 regarding which the Chief Engineer
 had urged the patch in his Memoir
 of 19th April 24th September, 11th
 October, and 1st November, which
 were urgently required to start
 work for which a Budget allot-
 ment of Rs 25,000 was given to
 not be disposed of owing to
 their not complying with the dis-
 cussing requirements insisted on,
 and the orders of the Chief Engineer.
 Looking to Colonel Motely's
 antecedents, with reference to the
 manner in which he has continu-
 ally failed to meet the requirements
 of the Chief Engineer for Arrig. divn,
 and of local Fund Boards, the
 Chief Engineer cannot look upon
 these shortcomings as over-sights,
 (but as additional proofs of a perver-
 se spirit

See Govt. Orders
 No 768 B, 15th March
 1880, 2nd April, 1876.

11
Spirit of opposition which seems
habitual to him. And under the
full conviction that progress with
the important works of the Chingle-
poor District can never be expected
under his management, while
he has proved himself utterly
unfitted for the office of a Super-
intending Engineer, Major Ge-
neral Walker has no alterna-
tive but to recommend that
Colonel Moberly be reduced
to the rank of Executive Engi-
neer 1st Grade, and removed to
another District, as already
threatened in G.O. No 1081 of 14th
April 1875.

12.
General Major General R.D.
Chief Engineer D.F.W.
Fort St George
January 1876
x attch

NO. 3995

Chingleput Superintending Engineer's Office,
22 December 1875.

From

THE SUPG. ENGINEER
Chingleput.

To

The Chief Engineer
Department Public Works.

Sir,

Referring to your No 896 of 21st instant I regret that I overlooked the word "flat" in your No 297 of 16th March 1875. I read it to be your wish that the roof should be terraced or tiled, with reference to its having a slope, which appeared necessary for a building with so large a span.

I have the honor to be

Sir,

Your most obedient Servant.

R. E. Hobson

Colonel, R. E.

Superintending Engineer Chingleput.

Public works Dept

Report by the Chief Engineer regarding
the new Hospital at Bommalu.

For Orders

Circulated for

orders.

I think it to be regretted that with
the experience we have had of Col.
Moberley, he should have been entrusted
with the design of an important work
like the hospital at Bommalu in
addition to his other duties in the
Chingleput district which are enormous.
From the commencement of the
correspondence it seems evident that
it would have been better to have
entrusted the design to the Consulting
Architect, or that the design should
have issued from the Chief Engineer's
office.

Col. Moberley seems to have fallen into
some confusion on the question
of the terraced roof; although he
was carefully instructed by the Chief
Engineer. Col Moberley has also failed
apparently in his ~~design~~ system
of ventilation — ~~these~~ All these mistakes
confirm me in the opinion that
the design should not have been
entrusted to him except in constant
personal com^{ms} with the Chief
Engineer, which does not appear
to have been possible. I trust all

further delay or mistakes
will now be corrected by the
Chief Engineer's own strict
intervention.
I do not think that the
present is the suitable oc-
-casion for the degradation
of an Officer of the standing
of Col. Moberley. He is a
fear one of our hard bargains
and he should certainly not be
entrusted with the
designing of important
works. P.S.E.

P.S. As regards the terrace roof,

From

THE SUPD. ENGINEER

To

CHINGLEPUT

THE

Chief Engineer
Bommalu P. Works

Dated 22
Received 24 Decr 1875

ENCLOSURE

No. 3991

Reports that the
has overbooked the
ward "flat in Chief
Engineer's House
of 297 of 16th March
1875 and since
has been for it

P. W. Brodie 22/12/75
No 209.

4818-4840 (p. 47) C-4776.
- 2nd April - 65-66.
- 16 - 356-357.
- 17 - 458-460.
- 5 - May - 32 hrs.

No 209.

which in his design he
has made sloping instead
of flat, I do not think
Col. Moberly deliberately
intended to disobey the
Chief Engineer. he clung to
his own idea, but he must
have known that the
slaus would come under
the review of the Chief Engineer
& be corrected if the Chief
Engineer persevered in his
objection - But

I think that this illustrates
instance of Col. M's inf
peruency or desobedience. are we simply to
must be talked over - put up with it
Council 29/11/11
I shall write with
my support - I get Watters
proposal with reluctance I agree with the
It is impossible to work
a 3rd. satisfactory
with Col M: at its head
and the meeting is

Council

1-2-76

With Honor

~~Colonel J. J. Roberts~~
Colonel J. J. Roberts

In accordance with
Orders received at your
tender's command, the
undesignated has the
honour to submit his
recommendation that
Colonel J. J. Roberts A.S.
be transferred to the
Simmerly District,
vice Mr. O'Shaughnessy
who, though named
to that charge, has not
yet joined, and is at
the present moment
in Mexico, awaiting
for transfer. H. H. H. H.
vacant by the death
of Mr. R. Smith. The
Chingaput District
might very well be
held by Capt. H. Smith
in addition to his former
A.S. Tell the names
of Major Montgomerie
A.S. in 14th March, who
is well fitted for the charge.

12 Feb 76 O.N. 384

With reference to the observations made at yesterday's Council, Major General Wolke, would respectfully observe that Colonel Meacham is not incapable of designing a Military Hospital, or similar building; yet information as to the details of which are laid down in Standard Plans and Sanitary Reports. He is incapable only of logically accepting & acting on the instructions conveyed to him by competent Military, Medical, & Departmental authority; which disqualifies him from holding the position of a Superintendent, in which he sets so bad an example of defying every superior authority. - What

= ever scandalous, and
 = even to the P. M. Dept.
 from the degradation
 of an Officer of Col.
 Robert's standing,
 is, in the opinion of
 The Head of that Dept.
 much less than the
 scandal created by
 tolerance of such in-
 = competence and in-
 = subordination in its
 higher ranks. —

Colonel Abernethy is
only an officiating
Surgeon. 3^d Grade
recd. The Recogmizer

[illegible]

: never granted him
 as having been a
 Sup & business, under
 the old organization;
 though it is possible
 that the Gov. of India,
 on a reference being
 insisted on by the Com-
 : troller, might not con-
 : sent to his retention
 of such permanent ad-
 : vances, ^{there} becoming
 fully acquainted with
 the circumstances of
 the case -

Ch. Walker, M.A. Secy.
 Secy to Gov. R. S. W.

The decision arrived at in Council
 was that Mr. Matherly was to
 be transferred to another district
 but that his transfer was not
 to involve degradation in rank
or loss of allowance - so long
 as these conditions are observed
 there are no objections to
 offer to any arrangements
 in accordance with the
 decision of my colleagues

The proposal is
 subject to the sanction
 of the Govt. of India
 5/12/76
 13/12/76
 14/12/76

Proposed
 Off. order
 14/12/76
 read

also G.O. 17th April 1875
 order
 The Govt in Council decided
 that it will be for the interest
 of the public service that
 the charge of the Chingleput
 district be placed in other
 hands - and for that purpose
 directs the following appointments

district -

Colonel Meobay will give up
charge of the Chingleput -

Mr. O. Shaughnessy recently appointed to Timmerville district - and also the papers

but who has sub-yd. proceeded connected with the proposed

to join is appointed to the Hospital at Poona smaller

charge of Bellare vacant to Capt H. C. Smith M. E. who

of the death of Mr. H. Smith - will hold the appointment

Colonel Meobay M. E. appointed in addition to his range

to the charge of the Timmerville charge until relieved shortly

of Major P. Montgomery M. E. expected from home - and

Col. Moberg will arrange to
proceed with reasonable dispatch
to take up his new district.

B. C.

P. 12 Feb 96 Ch 384

to join, is appointed to
the charge of Bellary
vacant by the death of
Mr. R. Smith.

Col. Maiberly R.E. ap-
pointed to the charge of
the Trimmally District.

Col. Maiberly will
give up charge of the
Chingleput District and
also the papers connected
with the proposed hospital
at Poonaallee to
Capt. A.C. Smith R.E.
who will hold the
appointment in addition
to his Range charge
until relieved shortly
by Major P. Montgomery R.E.
Expected from Home;
and Col. Maiberly will
arrange to proceed
with reasonable despatch
to take charge of his
new District.

C.M.

- 2 plans -
1 Col. with Ab. Cole & 1
Book containing suggestions
in regard to Sanitary Works
reqd. for improving Indian
stations - sent to the
St. Engr. Chingleput.
17. 2. 76

* one Specification for the
Hospital at Poonaallee
one tracing of the section of the River Vindhyas
showing the channel proposed to be used
The St. Engr. Chingleput
with original Encls. &
Delivered. 15. 2. 76

(Daily Sept. 17. 2. 76)

11.10
Govt. of 1876 Madras.

PUBLIC WORKS.

To
D. C. Chingleput

Dated

Issued

Recd.

Encl.

G. O., 12th Feb. 1876, No. 334

Nos. 201-210

Establishment
Transfer of Officers, etc.