MRO 1—77,006—8-6-37.

(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. 100-01 Press Mis.

Dated 8 1 1870.

Not to be folded or roughly handled

No. 192 Read the following letter from the Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Cuddalore, 6th December 1869, No 159 —

One copy of the Executive Engineer's report with an approximate estimate
One copy of letter from Quartermaster-General
Three plans per banghy

In accordance with the orders of Government of the 17th November 1865, No 3,462, I have the honour to forward sketch plans of the proposed new Magazine at Bangalore, accompanied by a report and an approximate estimate If the present design is sanctioned, the detailed plans and estimates can be prepared.

2. The plans were received by me through the Quartermaster General, and it will be seen from his letter that the general design, as well as the suggestion that the new Magazine should serve as a defensive post, have been approved by His Excellency the Commander-in-Chief, by whom also the area included by the Arsenal was determined. The buildings have been planned to furnish the accommodation considered necessary by a Committee of Ordnance Officers

---

From Captain H H WOOD, R E, Executive Engineer, Bangalore, to the Superintending Engineer, 5th Division, dated Bangalore, 25th August 1869, No 586

I HAVE the honour to submit two rough drawings of a design for an Arsenal at this station in conformity with the instructions contained in G O, dated 10th September 1868, No 2,884, and beg that the views of superior authority may be elicited on the subject in order to allow of the detailed drawings being prepared The area included by the projected Arsenal is that considered necessary by the Commander-in-Chief, while the actual area taken up by the buildings is in close adherence to that fixed as essential by a Committee of Ordnance Officers, who some time since considered the point The buildings as designed would form a tolerably strong defensive post against any arms likely to be directed against it, and it is, therefore, worthy of consideration whether the Government might not reasonably abandon the idea of fortifying the Race Course plateau—a project which presents many grave professional objections

2 A statement is annexed, by which it appears that the probable cost of constructing the Arsenal according to the plan submitted will be Rupees 6,00,000 As the project for fortifying the Race Course plateau will cost about Rupees 1,50,000, it will be seen that a saving of that amount would result from constituting the Arsenal as the defensive place of refuge at Bangalore

3 A sketch tracing is also forwarded showing the position fixed on for the Arsenal buildings I have proposed the sites marked A A A A as positions for the Warrant Officers' quarters, in case it might be considered that the area 700' × 700' included in the Arsenal was insufficient for sheltering temporarily the refuges of the station By enclosing these quarters with earth-works, the strength, as well as the size, of the defensive position would be much increased At the same time I do not think that this case is at all likely to arise, as on emergency a little crowding may be allowed as a temporary measure

4 I have Mr Bowring's authority for stating that a portion of the stone of the fort of Bangalore will be available for the Arsenal buildings, as, in an interview which the Commissioner was pleased to grant me, he informed me that he wished the outworks of the fort (which it appears is the property of the Mysore Government) to be removed It is probable that this concession may cause an appreciable saving in the cost of the Arsenal project The Mysore Government might also be prepared to allow something for the existing sheds in which the Arsenal is at present located in the Bangalore Fort

5. I beg the favour of the return of the two sketches and the tracing forwarded with this letter

Probable cost of erecting Arsenal and Subsidiary Quarters at Bangalore

	Rs
One three-story Block	1,27,000
Three two-story Blocks	1,35,000
Gun Shedding	1,50,000
Four Bastions	50,000
Loop-holed walls	35,000
Powder Magazines	20,000
Laboratory	5,000
European Subordinates' quarters	10,000
Conveniencies, *i e*, Stables, Latrines, etc	5,000
Cisterns for storing water from roofs	20,000
Sundries at eight per cent	43,000
Total	6,00,000

N B—Quarters for a Commissary of Ordnance and lines for Lascars or Native Artificers are not included in foregoing estimate

(Signed) H. W WOOD, Captain, R E,
Executive Engineer, Bangalore

From the Quartermaster-General, to the Superintending Engineer, 5th Division, dated Fort St George, 25th October 1869, No 6,436

I HAVE the honour, by order, to forward the accompanying letter* to your address from the Executive Engineer, Bangalore, together with the plans, etc, therein referred to, which have been transmitted to this department by the Officer Commanding Mysore Division for the consideration of the Commander-in-Chief

* Dated 25th August 1869, No 586, relating to the proposed new Arsenal at the defensive post at Bangalore

2 I am directed by His Excellency to inform you that he approves of the design for an Arsenal at Bangalore proposed by Captain Wood

3 With reference to the Executive Engineer's suggestion that the Arsenal, as designed by him, might form the defensive post for the station, and that the idea of fortifying the Race Course plateau might be abandoned, the Commander-in-Chief thinks that, if a Redoubt were constructed enclosing the building now being erected as the Cavalry Serjeants' Mess and Recreation-room, and which is on the higher part of the plateau, Captain Wood's views on this point might be adopted

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No. 193 ORDER THEREON, 8th January 1870, No 100.

MILITARY WORKS, No 4

ORDERED that this letter and its accompaniments be forwarded to the Government of India for an expression of their opinion as to the extent to which the proposed mode of providing a defensible post at Bangalore by the construction of a fortified Arsenal and Magazine meets the views of His Excellency the Governor-General in Council as communicated in the orders marginally noted.

From Govt of India, 1st June 1865, No 52
Do 29th Nov 1867, ,, 112
Do 6th ,, 1868, ,, 1,121-M

2. The report called for by the Government of India in their letter of the 19th August 1869, No. 867-M, regarding the buildings and defensive works in the Fort of Bangalore, was submitted with docket No. 62, dated 6th January 1870.

(True Extract)

(Signed) CHARLES A ORR, Colonel, R E,
Secretary to Government.

No. 194. Docket No. 101, dated 8th January 1870.

COPY of the above forwarded to the Government of India.

(True Extract)

(Signed) CHARLES A. ORR, Colonel, R E,
Secretary to Government.

Exd A S. Rodgers.

No 586

Executive Engineer's Office,
Bangalore, 25th August 1869.

From,

The Executive Engineer,
Bangalore

To,

The Superintending Engineer,
5th Division.

Sir,

I have the honor to submit two rough drawings of a design for an arsenal at this station - in conformity with the instructions contained in G.O. dated 10th September 1868 No 2884, and beg that the views of Superior authority may be elicited on the subject in order to allow of the detailed drawings being prepared. The area included by the projected arsenal is that considered necessary by the Commander-in-Chief, while the actual area taken up by the buildings is in close adherence to that fixed as essential by a Committee of Ordnance Officers - who some time since considered the point. The buildings as designed would form a tolerably strong defensive post against any arms likely to be directed against it, and it is therefore worthy

of

of consideration whether the Government might not reasonably abandon the idea of fortifying the Race Course Plateau - a project which presents many grave professional objections.

A statement is annexed by which it appears that the probable cost of constructing the Arsenal according to the plans submitted will be Rs. 60,000. As the project for fortifying the Race Course plateau will cost about Rs. 150,000, it will be seen that a saving of that amount would result from constituting the Arsenal as the defensive place of refuge at Bangalore.

A sketch tracing is also forwarded shewing the position fixed on for the arsenal buildings - I have proposed the sites marked A.A.A.A. as positions for the warrant officers quarters, in case it might be considered that the area 700×700 included in the Arsenal, was insufficient for sheltering temporarily the refugees of the station - By enclosing these quarters with earthworks the strength as well as the size of the defensive position would be much increased. At the same time I do not think that this case is at all likely to arise; as an emergency a

little

little crowding may be allowed as a temporary measure.

I have Mr. Barring's authority for stating that a portion of the stone of the Fort of Bangalore will be available for the arsenal buildings, as in an interview which the Commissioner was pleased to grant me, he informed me that he wished the outworks of the Fort (which it appears is the property of the Mysore Government) to be removed. It is probable that this concession may cause an appreciable saving in the cost of the Arsenal project. The Mysore Government might also be prepared to allow something for the existing sheds in which the Arsenal is at present located in the Bangalore Fort.

I beg the favor of the return of the two sketches and the tracing forwarded with this letter.

I have the honor &c.

[Signed] H. W. Wood, Captain R.E.
Executive Engineer,
Bangalore.

[True copy]

Edmd Colonel R.E.
Superintg: Engineer, 5th Division.

Enclosure No. 2 in letter
No. 159 dated 6th
December 1881, from the
Asst. Engr. 5th Division
to the Secretary to
Govt. P.W.D.

D. H. Wood Lieut. R.E.

Probable cost of erecting Arsenal and Subsidiary quarters at Bangalore.

	Rupees
One Three story block	1,25,000
Three two story blocks	1,35,000.
Gun shedding	150,000.
Four Bastions	50,000.
Loop holed walls	35,000.
Powder Magazines	20,000.
Laboratory	5,000.
European Subordinates' Quarters	10,000
Conveniencies, i.e. Stables, latrines, &c	5,000.
Cisterns for storing water from roofs	20,000.
Sundries at 8 per cent	43,000.
Rupees	6,00,000.

N. B. Quarters for a Commissary of Ordnance and lines for lascars or native artificers are not included in foregoing estimate.

[Signed] H. W. Wood Capt. R.E.
Executive Engineer
Bangalore.

Quarter Master Generals Office
Fort St. George, 25th October 1869

№ 6436.

From

The Quarter Master General.

To

The Superintending Engineer,
5th Division

Sir

I have the honor by order, to forward the accompanying letter to your address from the Executive Engineer, Bangalore, together with the Plans &c.a therein referred to, which have been transmitted to this Department, by the Officer Commanding Mysore Division for the consideration of the Commander-in-Chief.

2 I am directed by His Excellency to inform you that he approves of the design for an arsenal at Bangalore proposed by Captain Wood.

With

† dated 25th August 1869
№ 586.
Relating to the proposed new Arsenal at the Defensive Post at Bangalore

With reference to the Executive Engineers suggestion that the Arsenal as designed by him might form the defensive Post for the Station, and that the idea of fortifying the Race Course plateau might be abandoned, the Commander-in-Chief thinks that if a Redoubt were constructed enclosing the building now being erected as the Cavalry Sergeants Mess and Recreation Room, and which is on the highest part of the plateau, Captain Woods views on this point might be adopted.

I have &c

(signed) C Cooke Colonel
Quarter Master General

(True Copy)

Edward Colonel RE
Superintg. Engineer

the areas included by the Arsenal wall

No 159. Superintg: Engineer's office, 5th Divn,
Candahar, 6th December, 1869.

From,

Colonel E. A. Howard R.E.,
Superintg: Engineer, 5th Divn,

To,

Colonel Charles. A. Orr R.E.,
Secretary to Government,
Public Works Department

Sir,

In accordance with the orders of Government of the 19th November, 1865, No 3462, I have the honor to forward sketch plans of the proposed new magazine at Bangalow, accompanied by a report and an approximate estimate. If the present design is sanctioned, the detailed plans and estimates, can be prepared.

2 The plans were received by me through the Quarter Master General, and it will be seen from his letter, which the general design, as well as the suggestion that the new magazine should serve as a defensive post, have been approved by His Excellency the Commander-in-Chief, by whom also the area included by the arsenal was

Enclosure No 1 in letter No 159 dated 6th December 1869, from the Supg. Engineer 5th Divn to the Secretary to Govt P.W.D.

P.W. 6140/69

Enclosures:
1. Copy of the Qr. Master General's letter No 3462, dated 19th November 1865.
2. Sketch plan of the proposed new magazine at Bangalow.
3. Plans for defensive post.

determined. The buildings have been planned to furnish the accommodation considered necessary by a Committee of Ordnance officers.

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

E A Woodbridge M.E.,
Superintg. Engineer.

From the Secy. to Govt. of India
The Supdg. Engineer
5th Division

To The Secy. to Govt.
Pub. Works Dept.
Madras

Dated 6th
Rec'd 7th } December 69

3 Encls. No. 1597.
Sub. 5.
New Magazine at
Bangalore. —

Forwarding for the orders of Government, sketch plans & approximate estimate of the proposed New Magazine at Bangalore

No. 192

Fwd 4 encls.

R. & P. Dept.

No. 100 19.

Proceedings of Govt. Madras Government.
under date the 8th Jany 1870
Read the following

From the Supdg. Engineer 5th Divn. } No. 1597/76. Dated 6th Dec. 1869.

Ordered that this letter and its accompaniments be forwarded to the Govt. of India for an expression of their opinion as to the extent to which the proposed mode of providing a defensible post at Bangalore by the construction of a fortified Arsenal and Magazine meets

A. A.

the views of His Excellency
the Gov.-General in Council
as communicated in
the orders marginally
noted.

From Gov.t of India 1st Dec.r 65 No.52
Do Do Do 29th Nov.r 67 No.112
Do Do Do 6th Feb.y 68 No.1121m

The report called
for by the Gov.t of
India in their letter of
the 19th Aug.t 69 No.867m
regarding the buildings
and defensive works
in the Fort of Bangalore
was submitted with
docket No dated 17th S. Engr 5th Genl
Mily Deptt

Docket No 101 of
8 Jan.y 1870
Copy of the above
forwarded

21
forwarded to the
Government of India

Desp.h 10/1/70
3 plans desp.d 12/1/70 by Bang.y.

Rec 5748

Govt. of {1869} Madras.

PUBLIC WORKS

To

The Superintending Engineer
5th Division

Dated

Read

8 Jan 70 = 160 to 171

Nos 172-190 & 191

New magazine at Bangalore

Reporting orders on the letter from Bangalore Subsidiary Corps & Ch's Dr. submitting sketch plans & estimate for proposed new magazine at Bangalore.

New magazine at Bangalore

Copy of Ch's Dr. No. 1 to the Subsidiary Corps letter submitting estimate & sketch plans, &c., of the proposed new magazine at Bangalore, forwarded to Govt. & Rd.