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(3) Initials of the Referencer

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MADRAS RECORD OFFICE.

Government of Madras.

Judicial (Legislative) DEPARTMENT.

Con 31/8/60

G.O. No. 639 Press Mis.

8983

Dated 27-3 18 60

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, for the month of March 1860.

No. 82. Read the following Proceedings of the Madras Government in the Military Department, dated 20th March 1860, No. 1,091:—

Resolving to forward for the consideration of the Government of India, the Papers regarding the construction of a Wooden Barrack for the use of the Troops proceeding to China. } (Vide Military Proceedings from 11th to 20th March 1860, No. 247-248.A.)

No. 83. ORDER THEREON, 27th March 1860, No. 639.

Ordered to be communicated to the Chief Engineer for information.

(Signed) C. G. MASTER,
Dy. Secretary to Government.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter:—

From the Chief Engineer, Sépákkam, 2nd March 1860, *No.* 10938; *to the Secretary to Government, Public Works Department.*

I have the honor to submit for the consideration of Government, a Plan and Estimate amounting to Rupees 5,120, for the construction of a wooden Barrack proposed* by Captain Mayne, Executive Engineer at Bangalore, for the use of the Troops proceeding to China.

*No. 470, *dated* 14*th February* 1860.

Enclosures 3.
1 *Letter from Executive Engineer Bangalore, No. 470, dated 14th February* 1860.
1 *do. from Quarter Master General, No. 479, dated 17th February* 1860.
1 *Plan.*

2. This plan has been prepared with a view to remedy the defects of those used in the Crimea in 1855/56, the chief of which was the absence of independent ventilation and thinness of the sides and roof, which will not afford sufficient protection from the heat of the sun; two very important considerations; the floors were also generally laid on the ground, to which much of the sickness was attributed.

3. The model Hut afterwards built at Balaclava had double sides and roof, ridge ventilation, &c., and was raised from the ground on stones one foot in height.

4. The simplicity in the frame-work of the Hut proposed by Captain Mayne is its great recommendation; with the exception of the couples for the roof, the floor joists and planking, the whole Hut is held together by two iron Ties $\frac{7}{8}$ of an inch thick every ten feet, not a nail or screw is required, and may be shifted at any time. The Hut is made in lengths of 10 feet by 15 feet broad, with a boarded floor raised 3 feet from the ground, and ridge ventilation the whole length, with a rise of roof of 5 feet 3 inches, swing windows $3\frac{1}{2} \times 1\frac{1}{4}$ every 10 feet, and a door at each end, with a swing window above it.

5. The floor will be boarded with 1 inch planking laid diagonally $\frac{1}{4}$ inch apart, allowing the dust and dirt to drop through, and fresh air to ascend.

6. The men to sleep on Tarpaulins 6 feet broad spread on either side of the Hut; and the roof to have a covering of $\frac{1}{2}$ inch planking with Felt above, the sides to be covered outside with $\frac{1}{2}$ inch planking 10 inches broad, over-lapping each other one inch up to the eaves; with planking also on the inside, laid edge to edge to a height of $7\frac{1}{2}$ feet only, to allow for ventilation.

7. Allowing 3 men to each side every 10 feet, each man will have an area of $212\frac{1}{2}$ cubic feet independent of the roof, which, with the ample means of ventilation, may be considered sufficient, and is fully 100 feet more than was allowed in the Crimea.

8. It is proposed that each Barrack shall be 100 feet in length, and hold 60 men.—A Regiment 1200 strong will therefore require 20 Huts for the men, 4 for the Officers and 1 for the Hospital; in all 25.

9. In the estimate amounting to Rupees 5,120 herewith submitted, the Executive Engineer has allowed for the construction of the whole building with Teak-wood, weighing exclusive of iron Ties, Screw &c., $25\frac{1}{2}$ tons; this however might be considerably reduced, should the nature of the service in China render it necessary to provide for a standing Camp for any lengthened period, and orders be issued for the construction of any, by the preparation in this country, of the wooden frame-work and iron-work only, and allowing the side planking, flooring, doors and windows to be made up in China, of Deal or other wood, abundance of which was always procurable during the Expedition in 1841-42, and for this purpose I would suggest, that three or four Steam Saw Machines should be sent with the Force under the charge of the Officer in Command of the Sappers and Miners, or Captain Mayne who has volunteered to accompany the Force and superintend their construction.

10. The project has been submitted for the approval of His Excellency the Commander-in-Chief, who recommends* that it be adopted if there is a prospect of the Troops proceeding to China being placed in a standing Camp for any lengthened period.

* *Letter No.* 479, *dated* 17*th February* 1860, *from the Quarter Master General of the Army.*

ORDER, No. 1091, 20*th March* 1860.

Resolved that the foregoing papers be forwarded for the consideration of the Government of India.

To the Offg. Secy. to the Govt. of India, Mily. Dept. | Here enter 20th March 1860, No. 1092.

(True Extract.)

Ag. Dy. Secretary to Government.

To the Department Public Works.
" Quarter Master General.

Exd. J. Davis.

P.W. 1860 Dispatch
Rec: of Govt 31st March.
No. 730.

Proceedings of the
Madras Govt in the
Military Dept.

Dated 20th } March
Received 21st } 1860

No. 1091.

Resolving to forward
for the consideration
of the Govt of India
the Papers regarding
the construction of a
wooden Barrack for
the use of the Troops
proceeding to China.

From Sec. to Govt 2nd May 60 Cept
1109 in Mily Dept 7 May
No 957.

William Cudlip Esq

No 82 to 88.

No. 639.

Ordered to be com-
municated to the Chief Se-
cretary for information.

J. Yorke

Govt Gen Dept }
27th March 60 }

1 Copy to the Chief Secretary
Pres. with G.O. No. 1091
Dispt 27.