

GOVERNMENT OF MADRAS.
LOCAL AND MUNICIPAL DEPARTMENT.

READ—the following papers :—

From T. VARADA RAO, Esq., S.C.S., Chairman, Municipal Council, Calicut, to the Chief Secretary to Government (through the Revenue Divisional officer), dated Calicut, 24th January 1894, No. 199.

I have the honour to submit the Sanitary Commissioner's report on the Calicut Municipality for 1893-94 with the details of action taken upon it by the council.

2. The Sanitary Commissioner's inspection was thorough and nothing of any importance connected with the sanitary conditions of the town escaped notice. His notes are replete with suggestions of a valuable character and the council is greatly indebted to that officer for them.

3. Taking first the conservancy of the town, the Sanitary Commissioner considers that the public conservancy arrangements are totally inadequate for the population of 66,000. The minimum prescribed by Government is one latrine for every 1,000 of population. Thus 66 public latrines will be required in Calicut. As it is obvious that the whole number cannot be erected at once, the council resolved to allot funds every year for building five latrines until the town is completely equipped in this respect. Government will be pleased to observe that Rs. 1,000 are provided in the budget for 1894-95 for this purpose.

4. The Sanitary Commissioner points out that at present the domestic well water supply for drinking purposes is highly contaminated by filtration from uncleaned cesspools and dumb well latrines and the wells from which the drinking-water is taken out are within 3 or 4 yards. Under these circumstances the Sanitary Commissioner considers that the wells receive impurities from the latrines as well as from the overcrowded graveyards in the Mopla portion of the town.

5. The Sanitary Commissioner suggests that all existing dumb wells and cesspools should be registered and periodical cleaning insisted on. As most of these are not masonry-built, they will have to be completely closed. Under section 207, clause (1), of Act IV of 1884, a cheap form of a better pattern of a latrine and cesspool should be introduced. The Sanitary Commissioner says the Mangalore Tile Company in communication with the Sanitary Board would be able to evolve a cheap pattern suitable for the special requirements of the West Coast population. Application has already been made to the Sanitary Board for the cheap pattern.

6. Where native huts in large numbers are scattered over a large compound it may be found far beyond the means of the occupants of such huts to provide a latrine for themselves as an annexure to each separate building. The Sanitary Commissioner suggests that in such cases pressure under section 207 (ii) of Act IV of 1884 should be exercised on the owners of parambas to provide latrines as they usually receive a ground rent from the occupants. Orders have been issued to the sanitary inspectors to prepare a correct register of dumb wells and cesspools which should be closed and also to prepare a list of owners of parambas on which more than six native huts are scattered. As soon as these lists are ready, action will be taken.

7. *Conservancy—Removal of Rubbish and Night-soil Rubbish.*—There are 41 dust-bins; of these 21 are square in form and of masonry and 20 are portable of corrugated iron. The latter were sanctioned by the municipal council in their resolution dated 1st July 1893.

8. There are 15 carts for the removal of rubbish, each cart holding about $\frac{3}{4}$ of a ton of rubbish. The contents of the 41 dust-bins and the sweepings of the principal streets and thoroughfares and a few lanes are all that is collected and carted at present.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., dated 2nd May 1894, No. 1040, Judicial.

Read—the following papers :—

Endorsement of the Surgeon-General, Madras, dated 23rd December 1893, No. 679.

ABSTRACT.—Forwarding, with remark, the Official Visitors' report on the Madras Lunatic Asylum for December 1893.

From the same officer, dated 8th November 1893, No. 574.

ABSTRACT.—Submitting letter from the Superintendent, Lunatic Asylum, Madras, pointing out certain defects in the construction of the special wards for Europeans.

ENCLOSURE.

From Surgeon-Major W. G. KING, M.B., Superintendent, Government Lunatic Asylum, to the Secretary to Surgeon-General with the Government of Madras, dated Madras, 19th August 1893, No. 465.

I have the honour to state that the special wards for Europeans in this asylum present certain defects in their construction which I consider it most desirable should be remedied as early as possible. The roofs of the bath rooms are very low, and the exposed beams offer facilities for the committing of suicide by the use of articles of clothing or bedding. These should be closed from view and access by means of a teakwood ceiling. Whilst the front of these rooms in each case is guarded by strong barred iron doors, the bath rooms at their rear have ordinary wooden venetian doors. I lately confined a patient in one of these rooms, and five minutes had not elapsed before he smashed the wooden door and attempted to make good his escape. If it be necessary to place iron doors in front, equally is it so to place them in the rear. Certain of the bath rooms have inner doors, by closing which the patient can prevent his being inspected from the front. These should be removed. Both wooden and iron doors should be arranged for the bath rooms at their exits, and in the former an inspection inlet to be manipulated from the outside should be inserted.

2. The single cells for native males and females respectively (the so-called rooms number 16 and 16), which are of the same type, are, in my opinion, absolutely unsuitable in their present condition for the confinement of human beings. The initial cubic space per head is about 494 feet. Only patients in high state of excitement are confined here; the result is that what, with the small cubic space, the bad method of ventilation (see diagram) and the smell of patient's excretions which are notoriously foul in lunacy, the places being practically single room, insanitary conditions result which are alike prejudicial to physician and patient. On my exhibiting the buildings to the Assistant Engineer, he suggested a ready and cheap method of improving them, namely, by opening doors to the front as per diagram No. 2. I suggest that early action be taken accordingly.

* From the same officer, dated 5th April 1894, No. 295.

ABSTRACT.—Forwarding grounds plan and also a letter from the Superintendent, Madras Lunatic Asylum, affording certain additional information.

ENCLOSURE.

From Surgeon-Major J. W. EVANS, Superintendent, Government Lunatic Asylum, to the Secretary to Surgeon-General with the Government of Madras, dated Madras, 15th March 1894, No. 209.

I have the honour, in reply to your endorsement, No. 7632, dated 9th December 1893, on Government memo, No. 2176, dated 7th December 1893, to report categorically on the various points at issue:—

(1) A ground plan of the asylum is herewith submitted showing the blocks (marked in blue pencil) that require alteration.

(2) A rough diagram showing the existing configuration of the "16 rooms" blocks and the proposed alterations is attached.

(3) The only two blocks that require to be altered are those marked on the ground plan and known by the name of "16 single rooms"—one on the male side and one on the female side of the asylum.

(4) A rough estimate of the cost of the proposed alterations is appended.

(5) The nature of the alterations proposed consists in enlarging each individual cell so as to afford increased breathing space and improvement in ventilation for the class of insanes confined in these particular blocks. Each cell in the "16 rooms" block at present has a superficial area of $52\frac{1}{2}$ square feet and cubical contents of $631\frac{1}{2}$ cubic feet; it is proposed by the enlargement to give each patient a superficial area of $71\frac{1}{2}$ square feet and cubical contents $929\frac{1}{2}$ cubic feet. To give effect to these improvements so absolutely necessary, the following modifications of the existing blocks are needed:—

- (a) The erection of a dead wall from base to roof running along the middle of the block.
- (b) Throwing out a verandah on the eastern and western sides of the block.
- (c) Removing the doors from their present position facing one another (see No. 1 in sketch) to the outer wall of the block (see No. 2 in sketch) and facing in opposite directions.
- (d) Adoption of ridge ventilation.

(6) The present accommodation of the asylum, though considerably in excess of requirements, has reference only to *general* blocks where numbers—12 to 16—are confined *together*. No extra provision for accommodating increased numbers is now sought, but simply an enlarging of the existing cells in the "16 single rooms" blocks and thus rendering them, with improvement in the ventilation, more fit for the confinement of particular insanes who from their filthy habits and dangerous character require isolation.

Order—dated 2nd May 1894, No. 1040, Judicial.

Orders will issue in the Public Works Department for the preparation of plans and estimates. The execution of the works will be undertaken when funds are available.

(True Extract.)

(Signed) J. F. PRICE,
Chief Secretary.

ORDER—dated 17th May 1894, No. 1215 W., Public Works.

Communicated to the Consulting Architect who will prepare the required plans and estimates as soon as practicable.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect, with three plans.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1894} Madras.
PUBLIC WORKS.

Dated May, 17th.

Recd.

Encl.

G.O., 17th May 1894, No. 1215 W.

MAY.

The Madras Lunatic Asylum

Proceedings, Judicial Department, for preparation of plans and estimates for certain alterations to the —, communicated to the Consulting Architect with remark.

No. 465.

Government Lunatic Asylum
Madras 19 August 1893

From

The Superintendent Lunatic Asylum
Madras.

To. The Secretary to Surgeon General
With the Govt of Madras.

Sir,

*Sanitation
improved*
I have the honor to state, that the special wards for Europeans in this Asylum present certain defects in their construction, which I consider it most desirable should be remedied as early as possible. The roofs of the bath rooms are very low, and the exposed beams offer facilities for the committing of suicide by the use of articles of clothing or bedding. These should be closed from view and access by means of a teakwood ceiling. While the front of these rooms in each case is guarded by strong barred iron doors the bath rooms at their rear have ordinary wooden venetian doors. I lately confined a patient in one of these rooms, and five minutes had not elapsed before he smashed the wooden door, and attempted to mas-
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Pages 22 & 23

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Where is the diagram?
not received

I have the honor to be
Sir
Your most obt Servt:
/s/ W. G. King M.B.
Surg: Major
Supt: Govt. Lunatic Asyl

/True Copy/

W. G. King M.B.
Surgeon General with
Government of Madras

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I have seen.

(Signed) J. W. Evans.

Surgeon Major

Inf. St. Govt. Lun. Asylum.

True copy,



W. H. Jackson
M.D. Genl.

Surgeon General
with the Govt. of Madras

(D)

Judicial Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

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From the Same Officer, dated 5th April 1894, No 295, forwarding grounds plan and also a letter from Superintendent Madras Lunatic Asylum affording certain additional information.

Order, 2nd May 1894, No 1040.

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(True Extract)

Wickham

Under Secretary P.W.D.
for Chief Secretary.

The P.W.D. Department. (with 2 enclosures and three plans)

" Surgeon General.

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