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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	490	Press	<i>Original</i>
B.R. No.		Mis.	
Dated	23.2.	195	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd February 1876.*

No. 422. Read the following Proceedings of the Madras Government in the Financial Department, dated 3rd February 1876, No. 244 :—

ABSTRACT.—*Local Funds—Medical.*—The suggestion that the Acting Consulting Architect and Sanitary Commissioner shall place themselves in communication with the Surgeon-General, Indian Medical Department, on the subject of the standard plan for Mofussil Dispensaries approved, and the necessary orders to be issued in the Public Works Department.

No. 423. ORDER THEREON, 23rd February 1876, No. 490.

CIVIL WORKS, No. 17-B.

COMMUNICATED to the Acting Consulting Architect, who will place himself in communication with the Surgeon-General, Indian Medical Department, and the Sanitary Commissioner, and prepare for submission to Government sketch plans of the form of Mofussil Dispensaries ultimately agreed upon; with approximate estimates for constructing each separate building of pukka or cutcha materials.

(True Extract.)

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

To the Officiating Consulting Architect.
„ Surgeon-General, Indian Medical Department.
„ Sanitary Commissioner.
„ Financial Department.

Exd. S. T. Austin.
Spare Copies

Public Works Department

Proceedings of Government in the Financial
Department dated 3rd February 1876 No. 244.

For Orders

Circulated for Orders.

There is nothing in
the Position Terms advocated
by Surgeon General Palmer
to render it less costly than
the "Block form" as regards
the design itself. In the
Contract, accommodation is
provided in separate Positions
must cost more than the
same accommodation provided
in Block, if the same
materials are used in each
Case.

Chico

Case.

Of materials and that no work is permitted without the intimation of the Public Works agency, which is not supposed to deal with Cutch materials, is unnecessary; and charge for its supervisors should be saved. Let the Committee named issue a Block plan, showing dimensions and arrangement of each room required, to be adopted as a standard plan, whether for rooms built of Pucka or of Cutch materials - then each Municipality

or Local Fund Boards
will choose what materials
to use, and will employ the
P. W. Department to
estimate and build for
them, or not, as they please.

General & Major C. B. R.
Secretary to Government. C. B. R.

Proceedings of the Madras Government, Financial Department,
3rd February 1876.

Local Funds--Medical.

Read the following papers:—

No. 44. From Captain ROSS THOMPSON, R.E., Officiating Consulting Architect to Government, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, Fort St. George, dated Chepauk, 13th January 1876, No. 312.

I have the honor to submit a plan and estimate for municipal dispensaries prepared in accordance with the instructions contained in G.O., No. 2317, dated 10th August 1875.

One Plan.
One Estimate.
One Letter.

2. The accommodation provided, with the estimated cost according to Madras rates, is as follows:—

	Size.		Estimated Cost.
	FT. IN.	FT. IN.	RS.
Dispensary	18	0 x 8 5 1/2	2,397
Store-room	18	0 x 8 5 1/2	
Consulting and Operating Room	18	0 x 18 0	
Verandah	40	6 x 8 0	3,583
Male Ward	54	0 x 18 0	
Verandah	148	0 x 8 0	
Female Ward	54	0 x 18 0	3,583
Verandah	148	0 x 8 0	
Covered Way from Male Ward to Bath-room and Latrine	56	0 x 8 0	455
Covered Way from Female Ward to Bath-room and Latrine	56	0 x 8 0	455
Bath-room for Males	10	0 x 10 0	280
Do. for Females	10	0 x 10 0	280
Latrine for Males	18	0 x 10 0	475
Do. for Females	18	0 x 10 0	475
Cook-room	16	0 x 10 0	507
Well	6	(diameter)	250
Total			12,740

Cost per bed of wards $\frac{3583}{12} =$ Rupees 298-9-4.

3. The cost of similar wards built apart from the administrative rooms with verandah all round will be Rs. 4,089 0 0

Cost per bed of do. $\frac{4089}{12} =$ „ 340 12 0

4. It will be observed that teak-rafters have been provided in the estimate; if palmirah rafters are substituted, a saving of about Rupees 1,000 will be effected on the total estimate.

5. The floor space per bed (eighty-one superficial feet) height of walls, mode of ventilation, &c., are the same as that adopted at the new hospital wards of the Monegar Choultry, the width of verandahs being increased from six to eight feet.

6. The proportion of bath-room and latrine accommodation was ascertained from the Surgeon-General, Indian Medical Department (*vide* docket, No. 9628, dated 9th December 1875, herewith enclosed).

I think the plans & Estimates (Standard) had better be referred to the Municipalities, who will be able to estimate for themselves the cost of leaf partitions of masonry with a raised basement of brick.

I am of opinion that these leaf partitions are very useful in the case of epidemics, in an emergency of overcrowding of substantial buildings — but I think that as a rule Dispensaries & Hospitals should be built of permanent materials, & the danger from fire ought not to be overlooked on the expense of constant renewals of perishable materials. If my colleagues agree I will

Embodiment this opinion in a fresh order, & leave the matter in the hands of the Local Boards.
Municipal School Fund

17/2/76 Rev. 23rd Feb 76 B.R. 222

17/2/76

*Proceedings of the Madras Government, Financial Department,
3rd February 1876.*

No. 20.

Transferred to the Financial Department.

17th January 1876.

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government, P.W.D.

No. 29.

Referred to the Surgeon-General, Indian Medical Department, for his early remarks.

19th January 1876.

(Signed) W. HUDLESTON,
Chief Secretary.

No. 45. From Surgeon-General E. G. BALFOUR, Surgeon-General, Indian Medical Department, to the Hon. W. HUDLESTON, Chief Secretary to Government, Fort St. George, dated Fort St. George, 21st January 1876, No. 32.

Order, No. 80, of 19th instant, referred for my remarks letter, No. 312, of 13th instant, from the Officiating Consulting Architect to Government along with a plan for a civil dispensary in the provinces and with an estimate for the same amounting to Rupees 12,740.

2. I have the honor to suggest that the Officiating Consulting Architect be directed to place himself in communication with me that we may take into consideration together the most advisable form in which the civil dispensaries in provincial places may be constructed alike for the benefit of the patients and to economise the funds of the Local Boards. It is unlikely that any brick or stone structure, such as has hitherto been raised for hospitals, can ever be erected at a cost to suit the funds of the smaller Municipalities and Local Fund Boards, and for the present I think it advisable that some less costly form of structure should be adopted. The re-enclosed estimate, which the Consulting Architect has now sent me, is for Rupees 12,740. It is a modification of a plan which I and the Sanitary Commissioner formerly furnished, estimated to cost Rupees 19,750. But, however great or however small may be the cost of constructing such an institution, I am of opinion that for most parts of the south of India a civil dispensary may with advantage be erected in the form of pavilions at a cost greatly less than any brick or stone building and affording the inmates chances of recovery certainly greater than they ever enjoy in hospitals built of stone or brick of the block form. This latter point is fully recognised by the Madras Medical Officers of the General Hospital, Women and Children's Hospital, and Lying-in Hospital. In the grounds of the last-mentioned institution eleven pavilions have been erected during the past three or four years of various sizes and at various costs according to the dimensions and their wants. On my recommendation, G.O., No. 987, of 31st March 1873, Public Works Department, authorized a pavilion for the pupil midwives at a cost of Rupees 600. It is well raised on a platform of about a foot high; there have been storms of rain and wind and floods since then without in any way injuring it. It is 30 feet by 20 feet, and with comfort hold ten pupils with all their needed furniture. Also, on a further

*Proceedings of the Madras Government, Financial Department,
3rd February 1876.*

recommendation from me, G.O., No. 709, of 25th June 1874, sanctioned five leaf-pavilions for the sick of the Lying-in Hospital at a cost not exceeding Rs. 800, and still more recently, on my recommendation, G.O., No. 1128, of 9th September 1875, paragraph 7, authorized for the new Assistant Matron a pavilion dwelling-house at a cost of Rupees 200.

3. It is the pavilion form of hospitals that I advise to be adopted for the provincial dispensaries. In Southern India there are at present 122 civil hospitals and dispensaries, but the great bulk of those who seek medical advice are out-patients. In 1874-75 the number of in-patients was 26,991, but the out-patients were twenty-three times that number, viz., 621,539. With buildings of the present block form, the very sick,

	In.	Out.
Europeans	3,310	32,987
Natives	23,651	588,552
Total	26,991	621,539

who are in-patients, are greatly disturbed by the crowd of out-patients who daily for two or three hours hang about the verandahs of the wards, and I consider it would be a great convenience in every civil dispensary to have the surgery or dispensary and the consulting room in a pavilion or pavilions apart from the sick wards. There is equally no need for having a store-room in the same block with the patients.

4. I submit to Government these views as in my opinion suited to guide in the construction of the great bulk of the civil dispensaries in this Presidency. The materials to be used in their erection may vary according to the means of the Local Boards. But I would premise that a platform is needed of a height sufficient to secure the inmates against the rainfall of each particular district; it should be, say, from eight to eighteen inches high. The walls may be wholly of matting or partly of matting and partly of brick, and the roof of the thatch material such as each district can furnish. The cost will necessarily vary according to the dimensions and the varying materials used, but a reference to the Proceedings of Government of 31st March 1873 will show that the pavilion recommended by me for the pupil midwives was approximately estimated to cost Rupees 1,200, but the District Engineer sent on an estimate of Rupees 1,570, which G.O., No. 987, of 31st March 1873, Public Works Department, reduced to Rupees 600, and it was on this amount that it was erected, and it answers admirably.

5. Also, it will be remembered* that during the years 1869 to 1871 proposals

* 1871, 12th July, No. 1043.
1871, 21st August, No. 1290.

had been under consideration for the erection in this city of a building for cholera patients at a cost of more than

Rs. 50,000—I think approaching Rs. 70,000. But I suggested in lieu the pavilion form, and for Rupees 80-0-3 erected an entire group of an hospital for six patients and all its out-houses for surgery, medical, and menial establishments, which the Members of the Government inspected. It was highly approved of. The rate per

Rs. 18	Rs. 25-1-0	Rs. 8-11-0	Rs. 23-1-3	Rs. 5
13 x 18 x 12	25 1/2 x 18 x 12	12 x 12 x 12	33 1/2 x 18 x 12	9 x 9 x 12
Servants.	Medl. Officers.	Surgery.	Hospital.	Latrine.
Each with a six-foot verandah.				

patient was Rupees 13-5-6, but the block form must ever be very costly. In the

estimate now re-enclosed the rate per patient is Rupees 298-9-1.

*Proceedings of the Madras Government, Financial Department,
3rd February 1876.*

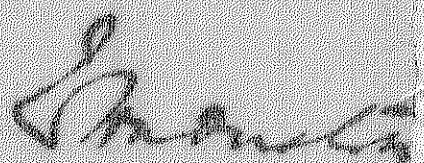
6. I think a conference of the Officiating Consulting Architect and myself may result in showing that the pavilion form may be adopted for civil dispensaries at a greatly lower rate, while it undoubtedly will be most healthy, will better suit the class of in and out patients who resort to it, will admit of the erection of small pavilions for the reception of men and women of castes whose customs require them to keep aloof from causes of social defilement, and their small cost will admit of such changes being from time to time made as the altering circumstances of municipal and local funds permit.

No. 46. ORDER THEREON, 3rd February 1876, No. 244.

The Governor in Council approves the suggestion that the Acting Consulting Architect and Sanitary Commissioner shall place themselves in communication with the Surgeon-General, Indian Medical Department, on the subject of the standard plan for mofussil dispensaries, and the necessary orders will be issued in the Public Works Department. Meanwhile the enclosures to his letter will be returned to Dr. Balfour.

2. The risk of fire should be considered.

(True Extract.)



Chief Secretary.

To the Surgeon-General, Indian Medical Department, with enclosures.
.. Acting Consulting Architect to Government.
.. Sanitary Commissioner.
.. Public Works Department. ✓


Exd. J. W. Fischer.

P. W. 1876 Dept
No 1174

No 490

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT

Under date the 23rd Feb. 1876

Read the following:—

1876. Financial Department. (H. E. 1244 of 3rd Feb. 1876)

Communicated
to the Acting Consulting
Architect who
will place himself
in communication
with the Surgeon
General, Indian
Medical Department,
and the Sanitary
Commissioner, and
prepare for sub-
mission to Govern-
ment sketch plans
of the form of
Provisional Dispen-
saries ultimately

Agreed

Recd 14 Feb. 1876.

Geo. No 490. 23.2.76

Geo. No 490. 23.2.76

Agreed upon with
approximate esti-
mates for construct-
ing each separate
building of punka
or cutcha materials.

Ques

Chief Consulting Architect.
Surgon Genl. U. S. Dept.
Sanitary Commissioner
Mineral Department

422 423

Sept 6-3-78

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GOVT. OF U.S. DIST. CT.
PUBLIC WORKS

Offg. Cong. Descht

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23 Feb 1880 490

Box 422 - 423

Hospital Dispensaries
The Cong. Architect directed by the
Minister of Communication with
the Surg. Genl. Indian Medical
Dept, and the Sanitary Commis-
sion, to prepare & submit to
for sketch plans of the form
of — agreed on, with ap-
propriate Estimate -