(1) பக்கங்களின் எண்ணிக்கை 34

(2) புதுக்கித் திருப்பிய நாள் 12/88

(3) ஆதாரங்குறிப்பவர் கருக்கொப்பம் [illegible]

# தமிழ்நாடு ஆவணக் காப்பகம்.

## தமிழ்நாடு அரசு

Revenue துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2095

அச்சகம்
பலவகை

நாள் : 2-8-1889 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆணை. கா-1—18,000—15-6-87.

A-Mw

GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper :—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 13th September 1888, No. 3343 A.

With reference to the orders of Government as per margin on the subject of Regimental institutes, I have been desired by the Commander-in-Chief to submit, for the consideration of His Excellency the Governor in Council, a schedule giving a short abstract of the proposals and their approximate cost at stations in the Madras Command, which have been approved by His Excellency for the provision of adequate accommodation for such institutes in accordance with the suggestions made in the above orders of Government and in various circulars from the Quartermaster-General in India.

Procs. of Govt., No. 6570, dated 26th Oct. 1887.
Do. „ 3834, „ 9th June 1888.
Do. „ 4047, „ 16th „ „

2. The proposals in each case have been carefully scrutinised and those now submitted are in Sir Charles Arbuthnot's opinion necessary in order to put regimental institutes in this command, as now proposed to be maintained, on a satisfactory footing in regard to accommodation.

3. It will be observed that, in most instances, the estimated expenditure is for alterations to existing buildings. In the following cases, however, additional erections are required :—

*Secunderabad.*—As additional accommodation is required in the institutes of the British Cavalry and Royal Artillery, it is proposed here to carry out the suggestions of His Excellency the Commander-in-Chief in India and to construct beer-issue stores separate from, but adjacent to, the refreshment departments, the accommodation thus set free in the main buildings being allotted to the purposes required. In the second British Infantry lines at Secunderabad an addition to the recreation department is required which will involve building, the space at present available being insufficient.

*Rangoon.*—An estimate, amounting to Rs. 30,904, for a recreation department building for the British Infantry regiment in Rangoon has been submitted to the Government of India and Rs. 20,000 have been provided in the current year's Burma budget estimate for military works for expenditure thereon. The building would have been erected in any case and the proposed outlay cannot be said to be a consequence of the above Government Orders; the amount has, however, been included here to show Government the total sum required to be expended in providing proper accommodation for institutes in this command.

*St. Thomas' Mount.*—The proposal to erect a new refreshment department for the two batteries at St. Thomas' Mount in lieu of the present building, which is inconveniently situated, and which can be converted into a Battery office and wheeler

and collar-maker's shop, will enable Government to provide the latter accommodation, which is needed, without incurring additional expenditure on those accounts.

*Kamptee.*—An addition to the recreation department of the British Infantry battalion is necessary to give it the area required.

*Wellington.*—The present arrangements both for the convalescent depôt and head-quarters and five companies of the British Infantry battalion quartered there are makeshift and unsatisfactory, space being occupied in barracks which would otherwise be available for men. It is therefore proposed to build here two institutes for the depôt and British Infantry battalion of wood and corrugated iron as indicated in circular No. 25, dated 16th December 1887, from the Quartermaster-General in India, regarding the future construction of barracks, &c., at hill stations in India. The approximate cost of such buildings is not accurately known and this estimate is therefore liable to modification hereafter.

4. The Local Governments have been asked, if possible, to make provision for the items contained in the schedule in their estimates for the ensuing official year.

ENCLOSURE.

Schedule of proposals for the improvement of Regimental Institutes in the Madras Command.

| Division or district. | Station. | Corps. | Abstract of proposals. | Estimated expenditure: At each station. | Estimated expenditure: At each division or district. | Remarks. |
|---|---|---|---|---|---|---|
| | | | | Rs. | Rs. | |
| Bangalore division | Bangalore | British Cavalry | Arrangements complete, additional cook-room required. | 400 | .. | |
| | | Royal Horse Artillery and Royal Artillery. | A few alterations to existing buildings | 2,731 | .. | |
| | | One company, Royal Engineers | Do. do. | 1,000 | .. | |
| | | Battalion, British Infantry | A few alterations and provision of a cook-house | 3,000 | 7,131 | |
| Hyderabad subsidiary force. | Secunderabad | British Cavalry | A beer store and issue room and cook-house | 7,170 | .. | |
| | | Royal Horse Artillery and Royal Artillery. | A beer store and issue room and alteration to existing buildings. | 10,500 | .. | |
| | | 1st British Infantry battalion | A beer-cellar, cook-house and few alterations | 5,000 | .. | |
| | | 2nd do. do. | Alterations in existing buildings, addition to recreation department, provision of a beer-cellar. | 10,000 | 32,670 | Includes Rs. 8,000 for a theatre and recreation room. |
| Burma division | Rangoon | Royal Artillery | A few alterations to existing buildings | 600 | .. | |
| | | Battalion, British Infantry | A new beer-issue bar and beer store and two small cook-houses for the refreshment department. | 4,000 | .. | |
| | | | Recreation department (a new building) | 30,904 | .. | General Officer Commanding Burma Division reports that plan and estimate for this work have been submitted to Government of India and Rs. 20,000 have been provided for it in current year's budget estimate, Burma Military Works. |
| | Toungoo | Wing, British Infantry | A few alterations to existing building | 1,200 | .. | |
| | Thayetmyo | Do. | Do. do. | 50 | .. | |
| | Port Blair | Detachment, British Infantry | Do. do. | 230 | 36,984 | |
| Eastern district | Fort St. George | Royal Artillery | Do. do. | 450 | .. | |
| | | Wing, British Infantry | Do. do. | 750 | .. | |
| | St. Thomas' Mount | Royal Artillery | A new refreshment-room | 17,300 | 18,500 | The erection of this building would save Government the expense of providing a Battery office and a wheeler and collar-maker's shop, both of which are now required. |
| Belgaum do. | Belgaum | Do. | A few alterations to existing buildings | 875 | .. | |
| | | British Infantry battalion | Do. do. | 661 | 1,536 | |
| Ceded districts | Bellary | Royal Artillery | Do. do. | 1,230 | .. | |
| | | Wing, British Infantry | A new cook-room and a few alterations | 1,000 | 2,230 | |
| Nagpore force | Kamptee | Royal Artillery | Alterations to existing buildings | 1,100 | .. | |
| | | British Infantry battalion | An additional room for recreation department and cook-room. | 10,000 | 11,100 | |
| Southern district | Wellington | British Infantry head-quarters and detachment. | At present a few alterations to existing buildings, subsequently two institutes, say | 50,525 | .. | Two institutes required at this station, the present arrangements being merely makeshift. |
| | Calicut | British Infantry detachment | A few alterations to existing buildings | 750 | .. | |
| | Malapuram | Do. do. | Do. do. | 600 | .. | |
| | Cannanore | Do. do. | Do. do. | 400 | 52,275 | |
| | | | Total | .. | 1,62,426 | |

OOTACAMUND,
13th September 1888.

(Signed) M. PROTHEROE, Brigdr.-General,
Quartermaster-General.



2957/2

No. 6409, Military.

No. 1628 W., dated 4th June 1888.
„ 1752 W., „ 13th „ „

Transferred to the Public Works Department with reference to the Proceedings of Government noted on the margin.

(By order.)

OOTACAMUND, 21st September 1888. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

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ORDER—dated 11th October 1888, No. 3221 W., Public Works.

Ordered to be forwarded for the information of the Government of India.

(Here enter No. 3222 W., dated 11th October 1888.)

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E., Ag. Secretary to Govt., P.W.D.

To the Military Department, with copy of letter to the Government of India.
To Superintending Engineers.

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LETTER—to the Secretary to the Government of India, Military Department, dated Fort St. George, 11th October 1888, No. 3222 W.

I am directed to acknowledge the receipt of your letters quoted in the margin, and in reply to forward, for the information of the Government of India, the accompanying report, with approximate estimates of the cost of providing accommodation in the several stations of the Madras Command for Regimental institutes.

No. 879 M.W., dated 11th May 1888.
„ 981 M.W., „ 25th „ „

2. The total cost of the scheme amounts to Rs. 1,62,426, of which a sum of Rs. 80,136 only appertains to the budget estimate of the Madras Public Works Department, the remaining amount being for expenditure at stations beyond the Public Works limits of this Presidency.

3. I am to say that, on the approval of the Government of India being communicated to the proposals made by His Excellency the Commander-in-Chief, the requisite estimates will be prepared and sanctioned in detail. Meanwhile, I am to request that provision for the works, which will be included in the budget of the ensuing official year, may be sanctioned by the Government of India.

(Signed) H. R. MEAD, Colonel, R.E., Ag. Secretary to Govt., P.W.D.

Exd. J. Henricus.
Spare Copies

2055/3

BUILDINGS AND ROADS.
MILITARY WORKS.

# Govt. of {1888} Madras.

PUBLIC WORKS.

*Dated October, 11th.*

*Recd.* *Encl.*

**G.O., 11th Oct. 1888, Nos. 3222, 3222 W.**

**OCTOBER.**

## Regimental Institutes

Forwarding report with approximate estimates of the cost of providing accommodation in the several stations of the Madras Command for —.

205/4

MILITARY DEPARTMENT, AUGUST 1889, No.

GOVERNMENT OF MADRAS.

## MILITARY DEPARTMENT.

**Regimental Institutions.**

Read the following paper :—

No. *From Brigadier-General E. COLLEN, C.B., Secretary to the Government of India, Military Department, to the Quarter Master General in India ; dated Simla, the 4th July* 1889, *No.* 1318-*MW.*

Accommodation for Troops.

I am directed to acknowledge the receipt of your letter No. 1901-B, dated 7th June 1889, on the subject of the amount of accommodation requisite in the regimental institutes of British troops.

2. Your letter states that you are directed by the Commander-in-Chief to submit the proceedings of a committee assembled under His Excellency's orders to consider the question of allotting adequate areas for each department of the institutes, and your letter further contains several references to such proceedings. But the only enclosure received with your letter is a note drawn up apparently in your department and embodying the views of Sir Frederick Roberts after a discussion with the officers named in the note.

3. I am to observe with regard to this note that frequent reference is made therein to the conditions governing the dimensions and form of these regimental institutes "laid down by Government," and it might be inferred that these conditions had been laid down apart from and without consulting army head-quarters. The Government of India, therefore, desire to place on record that their instructions are simply the embodiment of the Commander-in-Chief's views as recorded at a meeting held in October 1888 in His Excellency's office. A conclusion having thus been arrived at under the initiation of the Commander-in-Chief and with his full approval was reported to the Secretary of State and has received His Lordship's sanction.

4. The modifications in the dimensions and arrangement of the accommodation in regimental institutes, which are now proposed, have received the careful consideration of the Government of India ; and I am to state that, in deference to the strong opinion expressed by Sir Frederick Roberts, the Government of India are prepared to accept generally the dimensions and arrangements now proposed, and will recommend them for the sanction of the Secretary of State for India. His Lordship's sanction must, however, be received before the new proposals can be acted upon, as they go beyond what he has approved.

5. With regard to the details of the institute accommodation given in para. 5 of the note accompanying your letter, the Government of India are inclined to think that the area provided has not in all cases been kept down to the lowest practicable limit. For example, it is proposed to give the corporals' room an area of 576 square feet, the number of corporals being only 40 in a battalion of infantry. In the final revised type plan of an institute the possibility of effecting any reductions of area without detriment to the usefulness of the institute should be carefully considered.

6. The Government of India concur in the opinion that in institutes for small bodies of troops a separate theatre cannot be given, and theatrical performances must be given in some one of the larger rooms of the institute which will be provided with a stage for this purpose.

7. With regard to the remarks in para. 7 of the note relating to the use of inner verandahs for institute accommodation, I am to say that in the opinion of the Government of India inner verandah space of barracks with double verandahs is generally suitable for all purposes for which accommodation is required in regimental institutes and should, therefore, be invariably reckoned as a part of the area admissible.

8. The principles on which the accommodation for smaller bodies of troops is deduced from that for a battalion of Native Infantry are approved. The area in the hills should be three-fourths of that allowed in the plains.

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From Major-General Sir JAMES BROWNE, Quarter Master General in India, to the Secretary to the Government of India, Military Department; dated Simla, 7th June 1889, No. 1901-B (Regimental Institutions).

With reference to Military Department No. 2133-MW (Accommodation for Troops), dated 5th November 1888, on the subject of the area admissible for regimental institutes, I am directed to submit the proceedings of a committee assembled under the Commander-in-Chief's orders to consider the question of allotting adequate areas for each department of such institutes, in consequence of difficulties which had been experienced in the re-appropriation of accommodation for institute requirements, and I am to express His Excellency's hope that the proposals of the committee will meet with the approval of the Government of India.

2. It will be observed that the total area proposed by the committee for a battalion of British Infantry, viz., 12,818 s.ft., is less than that accepted by the Government of India, and approved of by the Secretary of State for India as a tentative measure, if the space for "Canteen Sergeant's quarters," "Librarian's quarters," and "Caterer's quarters" be omitted. For these quarters (at 366 s.ft. each) 1,098 s.ft. are required, and 12,818 s.ft.—1,098 s.ft. = 11,720 s.ft. is the space actually available for the various institutions.

3. I am to explain that, when His Excellency agreed to 12,000 s.ft. as the total area to be allowed for a British Infantry Institute, it was understood that such area included quarters for the different non-commissioned officers in charge. During the last year or so Sir Frederick Roberts has visited nearly every institute in the Bengal Presidency, and His Excellency is quite satisfied that the men cannot be made reasonably comfortable with rooms of smaller dimensions than those now proposed.

4. It will further be apparent on consideration that, as stated by the committee in para. 10 of the proceedings, neither the area of these above-mentioned quarters, nor that of the billiard room can be further reduced, and therefore, in computing the space to be allowed in institutes for smaller units than a battalion of British Infantry, satisfactory results cannot be obtained by taking a proportional area per man, calculated on the total area allowed for a battalion.

5. Very few regiments have a gymnasium, and, besides being available for performances, the hall marked "Theatre" will be very valuable for regimental purposes, not only for fencing, &c., but also for lectures and instruction generally. The increasing want of accommodation for such purposes has been felt for some time past, and has now become an urgent requirement.

6. In conclusion, I am to remark that these regimental institutes are now on their trial; the benefits they confer are gradually being appreciated by the men, and it would, Sir Frederick Roberts considers, be a great misfortune for the army in India if their value should be depreciated to any extent owing to any curtailment of space, which must necessarily diminish the comfort of the soldiers attending them, as many matters in connection with institutes are held in abeyance until the exact area to be allowed for the various departments has been decided.

7. I am to request the favor of a very early reply to this communication.

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## NOTE.

REGIMENTAL INSTITUTES FOR BRITISH TROOPS.

The orders of the Government of India in regard to the space to be allowed for regimental institutes (*vide* Military Department No. 2183-MW, dated 5th November 1888, to the address of the Quarter Master General in India) are—

i.—That the total area may be taken at 12,000 s.ft. for a Battalion of British Infantry in the plains.

ii.—That Government prefer to await the results of further experience before laying down any more definite instructions regarding the arrangement of the buildings, &c., required for a regimental institute.

iii.—That it is not considered necessary to provide accommodation for use solely as a theatre,—a permanent stage and dressing rooms should be added to one of the rooms of the institute.

iv.—In the hills the area for an institute for a Battalion of British Infantry is to be taken at three-fourths the area allowed in the plains.

v.—For other bodies of men the areas will be calculated at the same area per man as for a Battalion of British Infantry, except in the case of small bodies such as a single Battery of Royal Artillery or a Company of British Infantry, which must be specially considered.



2. Difficulties have lately arisen in various stations in arranging re-appropriations within the limits sanctioned by Government, and it has been found that these difficulties were due, partly to the want of definite decision as to suitable areas for each item of accommodation, and partly to the impossibility of applying the proportion fixed for other bodies of troops so as to provide fully for all requirements.

3. With a view to establish the necessary data, the various cases in the Meerut District were carefully gone into by the local officers and were subsequently inspected by His Excellency the Commander-in-Chief in person. The cases at Amballa were similarly inquired into, and His Excellency compared the various proposals with the orders of Government on the subject.

4. A committee was then assembled under His Excellency's orders at Amballa on the 29th March 1889, for the purpose of discussing the details of accommodation required, and of formulating proposals for definite scales of area to be allowed in each portion of a regimental institute.

The committee was constituted as under—

His Excellency the Commander-in-Chief in India.
Brigadier-General Galbraith, C.B., Commanding Sirhind District.
Colonel G. E. L. S. Sanford, C.B., R.E., Inspector-General of Military Works.
Major N. Arnott, R.E., Deputy Inspector-General of Military Works.
Major Spratt, R.E., Superintending Engineer, Meerut.
Captain Dickie, R.E., Executive Engineer, Military Works, Amballa.

5. The committee having discussed in detail all the instances brought before them decide to recommend the following areas and distribution of accommodation for the regimental institute of a Battalion of British Infantry:—

| | | |
|---|---|---|
| *Canteen—* | | |
| Privates' room | 1,200 | s.ft. |
| Bar or issue room | 240 | ,, |
| Beer store | 456 | ,, |
| Corporals' room | 576 | ,, |
| Sergeants' quarters | 366 | ,, |
| *Library—* | | |
| Book room | 288 | ,, |
| Reading room | 1,440 | ,, |
| Librarian's quarters | 366 | ,, |
| *Recreation and Refreshment rooms—* | | |
| Temperance room | 1,200 | ,, |
| Billiard room | 672 | ,, |
| Games room | 960 | ,, |
| Theatre | 2,000 | ,, |
| Refreshment or supper room | 2,160 | ,, |
| Refreshment issue and store rooms | 528 | ,, |
| Caterer's quarters | 366 | ,, |
| Total area | 12,818 | ,, |

= 13·694 s.ft. per man,

or a total area of 12,818 s.ft. against 12,000 s.ft. sanctioned by Government.

6. In justification of the request for 2,000 s.ft. for a theatre in addition to 960 for a games room, it is to be noted that His Excellency the Commander-in-Chief considers it essential that there should be, whenever possible, a large room or hall in the institute which can be used for theatrical performances. He does not consider that the supper room is, as a rule, suitable for this purpose. It is further observed that the auditorium of the theatre can be used for regimental purposes as, for example, fencing, band practice, &c., and above all for regimental instruction by means of lectures. If this space (2,000 s.ft.) is given under the main roof and the verandahs are thrown in in construction as at Jullunder, the total space for the theatre will be doubled in width and will admit of a stage 30′ in depth being given. But in institutes for small bodies of troops a room of sufficient size to be used as a theatre cannot well be given without unduly increasing the total area allowed. In such cases it will be better to adhere to the principle laid down by Government and to increase the size of the supper room so as to admit of a stage, &c., at one end; the stage to be screened off from the supper room by a movable partition. Stages and fixtures should be supplied by the State.

7. In cases of re-appropriation of existing buildings, inner verandahs should be included as far as may be possible in the areas of the different components. Where this is not practicable, inner verandah space must be allowed in addition to the areas laid down above.

8. In all cases of re-appropriation of existing buildings it is proposed to permanently allot only the areas detailed for each of the several purposes, so as to secure the same collective area in each station as far as possible. But it will not always be practicable to do this absolutely on account of the varying classes and construction of buildings that have to be adapted for institutes. Government will no doubt sanction small excesses when shown to be unavoidable.

9. His Excellency the Commander-in-Chief considers it necessary that the building formerly sanctioned as the *canteen* should continue to be known by that name and not by the name "refreshment room." The canteen as now proposed will be of reduced dimensions, but His Excellency holds it to be absolutely requisite that it should be in a separate building from the rest of the soldiers' institute in all cases of new construction and in cases of re-appropriation wherever practicable.

The "corporals' room" should be given in the canteen and not in the other part of the institute.

10. As regards the details of accommodation in institutes for smaller units than a Battalion of British Infantry, the committee remark that satisfactory results cannot be obtained by taking a proportional area per man calculated on the total area allowed for a battalion. There are certain items, such as billiard room and quarters for Canteen Sergeant, Librarian and Caterer, which are practically constant, that is to say their areas cannot be reduced, as they are already at a minimum for a battalion. The committee therefore propose that these constant items should be allowed in each institute, and that the remaining items only should be reduced in proportion to the numbers of men in each unit.

Thus, taking the case of the head-quarters and 6 Companies of British Infantry with a strength of 730 rank and file against 936 in a full battalion, the calculation would be as under :—

| | | S.FT. |
|---|---|---|
| Total area for a battalion ... ... ... ... ... | = | 12,818 |
| Deduct billiard room ... ... ... ... ... 672 | | |
| 3 Quarters at 366 each ... ... ... ... .. 1,098 | | |
| | | 1,770 |
| Difference | = | 11,048 |
| $\frac{11048 \times 730}{936}$ | = | 8,616 |
| Add billiard room, &c. ... ... ... ... ... ... | | 1,770 |
| Total area allowed | = | 10,386 |

A tabular statement is appended showing the detailed scale of accommodation proposed under the above system for each of the following units in the plains :—

Battalion British Infantry.
Head-quarters and 6 Companies British Infantry.
Head-quarters half Battalion British Infantry.
Detached half Battalion British Infantry.
Detachment 2 Companies British Infantry.
British Cavalry Regiment.
Royal Artillery 4 Batteries.
" " 3 "
" " 2 "
" " 1 Battery.

In calculating the accommodation for Royal Artillery, the strength of rank and file in one battery has been taken at 148, that of a Horse Artillery or Light Field Battery. Although Mountain, Heavy Field and Garrison Batteries have fewer rank and file it is not considered desirable to reduce their institute space below what is allowed for Light Field Batteries.

11. For institutes in the hills the committee propose a reduction in the areas allowed for the plains, subject to the same remarks regarding constants when calculating the space allowed for units of less strength than a battalion. This reduction is at present fixed by Government at $\frac{8}{9}$. It is, however, observed, that if the proportion were made $\frac{5}{6}$ instead of $\frac{8}{9}$, the calculations would be much simplified. The dimensions and areas in the tabular statement for the plains have been arrived at on the consideration that the usual width of a barrack room in the plains is 24 feet. The usual width of rooms in the hills is 20', and if this width were applied in each case, the lengths remaining the same, suitable sizes for each item of accommodation in the hills could be at once obtained from the scale proposed for the plains.



INSTITUTES.

*Scale of accommodation proposed for the Plains.*

| Nature of accommodation. | British Infantry Battalion 936 Rank and File. | | British Infantry 6 Companies 730 Rank and File. | | British Infantry Head-quarter and half Battalion 624 Rank and File. | | British Infantry Detached half Battalion 412 Rank and File. | | British Infantry Detachment 2 Companies 206 Rank and File. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dimensions. | Total area. | Dimensions. | Total area. | Dimensions. | Total area. | Dimensions. | Total area. | Dimensions. | Total area. |
| Canteen— | | | | | | | | | | |
| Privates' rooms ... ... ... | 50' × 24' | 1,200 | 37' × 24' | 888 | 28' × 24' | 672 | 25' × 24' | 600 | 20' × 24' | 480 |
| Bar or issue room ... ... ... | 10' × 24' | 240 | 10' × 24' | 240 | 10' × 24' | 240 | 10' × 24' | 240 | | |
| Beer store ... ... ... | 19' × 24' | 456 | 14' × 24' | 336 | 14' × 24' | 336 | 14' × 24' | 336 | 20' × 12' | 240 |
| Corporal's room ... ... ... | 24' × 24' | 576 | 14' × 24' | 336 | 12' × 24' | 288 | 12' × 24' | 288 | 20' × 10½' | 210 |
| Sergeants' room ... ... ... | 16' × 14' / 16' × 8½' | 366 | ... | 366 | ... | 366 | ... | 366 | ... | ... |
| | ... | 2,838 | ... | 2,286 | ... | 1,950 | ... | 1,830 | ... | 930 |
| Library— | | | | | | | | | | |
| Book room ... ... ... | 12' × 24' | 288 | 12' × 24' | 288 | 12' × 24' | 288 | 10' × 24' | 240 | 17' × 10½' | 179 |
| Reading room ... ... ... | 60' × 24' | 1,440 | 44' × 24' | 1,056 | 28' × 24' | 672 | 20' × 24' | 480 | 17' × 12' | 204 |
| Librarian's quarters ... ... ... | 16' × 14' / 16' × 8½' | 366 | ... | 366 | ... | 366 | ... | 366 | ... | 366 |
| | ... | 2,094 | ... | 1,710 | ... | 1,326 | ... | 1,086 | ... | 749 |
| Recreation and Refreshment rooms— | | | | | | | | | | |
| Temperance room ... ... ... | 50' × 24' | 1,200 | 37' × 24' | 888 | 28' × 24' | 672 | 25' × 24' | 600 | 20' × 24' | 480 |
| Billiard room ... ... ... | 28' × 24' | 672 | 28' × 24' | 672 | 28' × 24' | 672 | 28' × 24' | 672 | 28' × 24' | 672 |
| Games rooms ... ... ... | 40' × 24' | 960 | 30' × 24' | 720 | 24' × 24' | 576 | 24' × 24' | 576 | ... | ... |
| Theatre ... ... ... | 83⅓' × 24' | 2,000 | 70' × 24' | 1,680 | 44' × 24' | 1,056* | ... | ... | ... | ... |
| Refreshment or supper room ... | 90' × 24' | 2,160 | 70' × 24' | 1,680 | 44' × 24' | 1,056* | 55' × 24' | 1,320 | 36' × 24' / 9' × 12' | 864 |
| Refreshment issue and store rooms... | 22' × 24' | 528 | 16' × 24' | 384 | 16' × 24' | 384 | 12' × 24' | 288 | 9' × 10½' | 203 |
| Caterer's quarters ... ... ... | 16' × 14' / 16' × 8½' | 366 | ... | 366 | ... | 366 | ... | 366 | ... | 366 |
| | ... | 7,886 | ... | 6,390 | ... | 4,782 | ... | 3,822 | ... | 2,585 |
| Total area ... | ... | 12,818 | ... | 10,386 | ... | 8,058 | ... | 6,738 | ... | 4,264 |
| Exact areas obtained by proportional rule and constants referred to by committee ... ... ... | ... | | ... | 10,383 | ... | 7,955 | ... | 6,740 | ... | 4,244 |

* The theatre and supper room might be thrown into one.

NOTES.—I.—The scale does not include subsidiary buildings. These must be separately provided for.

II.—No account is taken of accommodation which is usually or can be provided by enclosing portions of outer verandahs, *e.g.*, the small stores room of a canteen.

III.—Inner verandah space should, wherever practicable, be included in the building with double verandahs, the inner verandahs should be thrown in to increase the width of the auditorium, no diminution in the length of the room being made on this account. The outer verandahs will remain as open verandahs.

IV.—For the *hills*, the areas should be taken at $\frac{8}{9}$ of those allowed for the plains. This will give the same lengths of rooms with a width of 20' instead of 24'.

V.—Enclosed verandahs in the hills should be dealt with on the same principle as inner verandahs in the plains.

VI.—For convalescent depôts the scales to be allowed will be those laid down for a head-quarters half Battalion British Infantry and a detachment of 2 Companies British Infantry respectively.

No. 1318-MW.

Copy of the above, and of the letter to which it is a reply, forwarded to the Secretary to the Government of Madras, Military Department, for the information of His Excellency the Governor in Council.

* * * * *

(By Order.)

(Signed) J. E. BROADBENT,
*Asst. Secy. to the Govt. of India.*

SIMLA,
*4th July* 1889.

---

No. ORDER THEREON, August 1889, No.

Communicated to His Excellency the Commander-in-Chief and the Public Works Department.

(True Extract.)

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
*Secretary to Government.*

To the Quarter Master General.
" Public Works Department.

Exd. E. C. Shunker.

2095/7

Govt. of {1889} Madras.

MILITARY.

To

THE QUARTER MASTER GENERAL,
&c., &c., &c.

Dated August,

Issued

Recd. Encl.

G.O., 14th August 1889, No. 5463

AUGUST.
Nos.

Regimental Institutions.

*British Troops.*—Observations of the Government of India on the subject of the amount of accommodation requisite in the regimental institutes of —, communicated to His Excellency the Commander-in-Chief and the Public Works Department.

No 2300 W d/21st August 1889

Communicated to Supdg: Engineers for information in continuation of G.O. 3221 W d/11th October 1888.

(Sd) R.R.E.D.B.

W

[illegible] (except [illegible])

2055/8

4th November 1889, No. 3121 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Military Works.**

Read—the following papers:—

From the Secretary to the Government of India, Military Department, to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 7th March 1889, No. 448 M.W.

I am directed to acknowledge the receipt of your letter No. 3222 W., dated the 11th October 1888, submitting a report, with approximate estimates, of the cost of providing accommodation for Regimental Institutes in the several stations of the Madras Command.

2. With reference thereto, I am to forward, for the information of the Governor in Council, a copy of the correspondence marginally noted conveying the decisions of the Government of India on the several questions raised in connection with Regimental Institutes, and to request that, under the orders of His Excellency in Council, the proposals which have been submitted relative to institutes in the several stations of the Madras Command may be reconsidered and brought into accord with the principles contained in the correspondence now forwarded, and a revised statement submitted for consideration.

To Quartermaster-General in India, No. 1334 M.W., dated 13th July 1888.
To Quartermaster-General in India, No. 1875 M.W., dated 1st October 1888.
To Quartermaster-General in India, No. 2133 M.W., dated 5th November 1888.
To Chief Commissioner, Central Provinces, No. 375 M.W., dated 27th February 1889.

3. I am to add that the Government of India hope shortly to issue orders regarding the institute at Rangoon.

No. 1602 C.

Transferred to the Military Department for the necessary action, with reference to G.O., No. 3221 W., dated 11th October 1888.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

27th March 1889.

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 26th September 1889, No. 3206-A.

I have been desired by the Commander-in-Chief to acknowledge receipt of your Reference Order* No. 2294, dated 3rd April 1889, on the subject of Regimental Institutes in the Madras Command.

* Enclosures returned herewith.

2. In reply, I am directed to submit a return showing the approximate cost of the revised alterations, as approved by His Excellency, proposed to existing buildings, in the districts as per margin, in order to better adapt them to the requirements of Regimental Institutes as now authorised, and to suggest that, as a sum of Rs. 20,000 has been allotted in the current year's Military Works budget estimate* for institutes of British Regiments and Batteries in the Presidency, and as the restriction of the Secretary of State contained in his despatch No. 61, dated 28th March 1889, is intended to apply only to expenditure on new buildings,† the proposals now submitted be sanctioned for early execution.

Madras, Belgaum (Bellary), Southern, Bangalore.

* Proceedings of Madras Government, dated 6th June 1889, No. 3699—O.G., dated 10th August 1889, No. 2155 W., P. W., para 4.

† See Military Department letter, No. 1875 M. W., dated 1st October 1888, to Quarter-master-General in India.

3. It will be observed in this return that the area allotted for Regimental Institutes in several cases exceeds the space proposed to be allotted in O.G., dated 14th ultimo, No. 5463, but this, under the circumstances, is unavoidable without incurring needless expenditure in reducing the area of the rooms which have been set apart for these institutes, to the dimensions now laid down, and many of which have been in use in connection with the recreation and refreshment departments for some years. For instance, the space taken up for the Royal Horse Artillery Institute at Bangalore is 1,601 square feet in excess of the allotment contained in O.G., dated 14th August 1889, No. 5463, and that for the Royal Artillery Institute (2 batteries) at the same station 5,908 square feet in excess. But it is explained in the former case that no changes have been made or are necessary, the tap and bar room being the old canteen, and the recreation-room being the old Royal Horse Artillery Hospital erected in 1852. In the case of the Royal Artillery, a reduction of 988 square feet has been effected in the proposals now submitted, the area formerly occupied being 12,164 square feet inclusive of temperance rooms, while under the new arrangements only 11,176 square feet will be required. The Officer Commanding Royal Artillery reports that further reduction could be made in the size of the rooms occupied by putting up partition walls, but the space thus acquired would be of little or no use for other purposes, and the partition walls would interfere with the ventilation and convenience of the rooms set apart for recreation. In each case of excess space the General Officer Commanding has reported that its allotment will not render necessary future applications for further buildings for the accommodation of troops, and the Commander-in-Chief would therefore recommend the acceptance of the present proposals even though in some cases the excess area appears considerable.

4. The suggestions for the Secunderabad and Belgaum districts have not yet been finally approved of. They include a few alterations and additions to existing buildings and the provision of a few out-houses, such as cook-rooms, beer-cellars, &c., but no new main buildings. It is proposed therefore on His Excellency's final approval being accorded to these propositions to return them to the General Officers Commanding Secunderabad and Belgaum Districts with a request that arrangements may be made with the local Public Works authorities for the provision of funds for their execution.

5. The new buildings required are specified in the margin. Of these, an estimate amounting to Rs. 46,906 has been sanctioned for the construction of a recreation department building for the British Infantry at Rangoon* and estimates for the Royal Artillery refreshment-room at St. Thomas' Mount and the British Infantry and Depôt Institutes at Wellington are now being prepared. These estimates will, however, be affected by the proposals contained in Proceedings of Madras

*Rangoon.*
British Infantry Recreation Department.
*St. Thomas' Mount.*
Royal Artillery—a new Refreshment-room.
*Wellington.*
British Infantry—a new Institute.
Depôt—a new Institute.

* See Proceedings of Madras Government, dated 10th August 1889, No. 5386.



Government, No. 5463, dated 14th ultimo, and it would be useless to submit them until the final sanction of the Secretary of State has been received to the revised superficial area of Regimental Institute rooms now recommended.

6. The approximate estimated expenditure in alterations to the buildings specified in the enclosed return is Rs. 10,104,* say, Rs. 11,000. It is improbable that final sanction will be accorded to the proposals for new buildings in time to admit of their commencement during the current financial year, and should this, later on, prove to be the case, the Commander-in-Chief will be prepared to submit recommendations for the reallotment of the unexpended balance of the grant.

| | Rs. |
|---|---|
| * Madras district ... ... ... | 1,500 |
| Belgaum district (Bellary) ... | 3,385 |
| Southern district ... ... ... | 2,305 |
| Bangalore „ ... ... ... | 2,914 |
| | 10,104 |
| Reserve, say ... | 896 |
| Total ... | 11,000 |

7. On the proposals for the new building specified in para. 5 above and for the alterations at Secunderabad and Belgaum being finally approved, a complete revised statement as called for in Military Department letter, No. 448 M.W., dated 7th March 1889, to Secretary to the Government of Madras, Public Works Department, will be submitted, the object of the present communication being to secure the expenditure of the allotment in the Madras Military Works budget for the current year, in carrying out the proposed alterations to buildings in this Presidency, a measure which, if approved, can apparently now be sanctioned by the Madras Government. To save time, and in anticipation of the early allotment of funds, the General Officers Commanding the Districts concerned will be requested to submit at once detailed plans and estimates for the alterations above referred to.

ENCLOSURE.

RETURN showing the approximate cost of the revised alterations proposed to existing buildings used as Regimental Institutes in the Madras, Belgaum (Bellary), Southern and Bangalore districts of the Madras Command (accompaniment to Quartermaster-General's letter No. 3206 A. of 26th September 1889, to Secretary to Government, Military Department).

| District. | Station. | Corps. | Abstract of proposals. | Area thereof in superficial feet. | Area proposed to be allotted for Regimental Institute purposes, O.S., No. 5463 of 14th August 1889. | Excess. | ESTIMATED EXPENDITURE | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | At each station. | In each district. | |
| | | | | | | | Rs. | Rs. | |
| Madras District. | Fort St. George | R. A. | A few alterations to existing buildings | 4,400 | 3,684 | 716 | 450 | | * For British Infantry head-quarters and Half Battalion. † Dimensions of existing recreation room. The revised proposals for constructing a new refreshment room have not yet been received but will be considered separately. |
| | Do. | Wing B. Inf. | Do. do. | 9,000 | * 8,058 | 942 | 750 | | |
| | St. Thomas' Mount | R. A. | A few alterations to existing recreation room. | † 2,988 | .. | .. | 300 | 1,600 | |
| Belgaum do. | Bellary | R. A. | A few alterations to existing buildings | 5,019 | 3,684 | 1,335 | 2,430 | | |
| | | B. I. Bn. | Do. and a new cook-house | 12,895 | 12,818 | 77 | 965 | 3,395 | |
| | Wellington | B. I. Hd. Qrs. Dett. | At present a few alterations to existing buildings subsequently two Institutes, one for the B. I. Dett. and the other for the depôt. | 6,000 | * 8,058 | .. | 525 | | |
| Southern do. | Calicut | B. I. Dett. | A few alterations to existing buildings | 2,554 | † 3,684 | .. | 750 | | † For a battery of R.A. ‡ For two companies, B.I. |
| | Malapuram | Do. | Do. do. | 3,000 | ‡ 4,264 | .. | 630 | | |
| | Cannanore | Do. | Do. do. | 5,819 | ‡ 3,684 | 2,136 | 400 | 2,305 | |
| | | Brl. Cavalry | Arrangements complete. Additional cook-room required. | 11,660 | 8,298 | 3,362 | 400 | | |
| Bangalore do. | Bangalore | R. H. A. | Existing arrangements to continue | 6,285 | 3,684 | 1,601 | 1,421 | | These proposals have been carried out regimentally. Do. do. |
| | | R. A. | A few alterations to existing buildings | 11,176 | 5,268 | 5,908 | 1,093 | | |
| | | B. I. Bn. | A few alterations to existing buildings and providing new cook-house. | 9,192 | 12,813 | .. | | 2,914 | |
| | | | Total .. | .. | .. | .. | .. | 10,104 | |

(Signed) M. PROTHEROE, Brigadier-General, Quartermaster-General.

OOTACAMUND,
26th September 1889.



No. 7080, Military.

No. 7053, dated 16th October 1889.
No. 7054, „ 16th „ „

Transferred to the Public Works Department for disposal with reference to the Proceedings of Government cited in the margin.

(By Order.)

FORT ST. GEORGE,
16th October 1889.

(Signed) H. R. SHELLEY, Colonel,
*for* Secretary to Government.

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ORDER—dated 4th November 1889, No. 3121 W., Public Works.

With the Quartermaster-General's letter above recorded, His Excellency the Commander-in-Chief submits proposals for utilising a portion of the grant of Rs. 20,000 provided in the current year's budget for Institutes of British Regiments and Batteries in the Presidency. The area proposed to be allotted for the institutes is in several cases in excess of that approved by the Government of India in its letter, No. 1318 M.W., dated 4th July 1889, communicated with the Proceedings of Government, Military Department, No. 5463,* dated 14th August 1889, but as explained in para. 3 of the Quartermaster-General's letter this is unavoidable without incurring needless expenditure in reducing to the authorised dimensions the area of the rooms which have been set apart for these institutes. The restriction contained in the Secretary of State's despatch No. 61, dated 28th March 1889, is intended moreover to apply only to expenditure on new buildings and extensive alterations and additions to existing buildings, and not to petty alterations to existing buildings costing Rs. 2,500 and below. The proposals are accordingly approved, and the following allotments are made from the budget grant for the institutes :—

* G.O., No. 2300 W., dated 2nd August 1889.

| | Rs. |
|---|---|
| Alterations to existing buildings, Royal Artillery, Fort St. George. | 450 |
| Alterations to existing buildings, Wing British Infantry, Fort St. George ... ... ... ... ... ... ... ... | 750 |
| Alterations to existing recreation-room, Royal Artillery, St. Thomas' Mount ... ... ... ... ... ... ... ... | 300 |
| Alterations to existing buildings, Royal Artillery, Bellary | 2,430 |
| Alterations to, and new cook-house for, British Infantry Battalion, Bellary ... ... ... ... ... ... ... ... | 955 |
| Alterations to existing buildings, British Infantry, Head-quarters Detachment, Wellington ... ... ... ... ... | 525 |
| Alterations to existing buildings, British Infantry Detachment, Calicut ... ... ... ... ... ... ... ... | 750 |
| Alterations to existing buildings, British Infantry Detachment, Malapuram ... ... ... ... ... ... ... ... | 630 |
| Alterations to existing buildings, British Infantry Detachment, Cannanore ... ... ... ... ... ... ... ... | 400 |
| Additional cook-room for the British Cavalry Regiment at Bangalore ... ... ... ... ... ... ... ... | 400 |
| Alterations to existing buildings, Royal Artillery, Bangalore ... | 1,421 |
| Alterations to existing buildings and provision of cook-house for the British Infantry Battalion Bangalore ... ... ... ... | 1,093 |
| Total ... | 10,104 |

2. The Superintending Engineers concerned will lose no time in obtaining the approval of the Military authorities to plans and estimates for the works for which funds have now been provided. They will also arrange to complete the works before the close of the current official year.

3. As a great portion of the year has already expired, the Quartermaster-General will be requested under the orders of His Excellency the Commander-in-Chief to expedite the submission of further proposals to utilise the balance of the grant for the institutes.

4. Ordered that a copy of these Proceedings be forwarded to the Government of India, Military Department, with the intimation that the revised statement called for in its letter No. 448 M.W., dated 7th March 1889, will be submitted after the proposals under contemplation are finally approved.

(Here enter No. 3122 W., dated 4th November 1889.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers, III, IV and V Circles.
To the Examiner, Public Works Accounts.
" Military Department.

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ENDORSEMENT—dated 4th November 1889, No. 3122 W., Public Works.

Forwarded.

(By Order.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Exd. J. Moses.
Spare Copies

2055
11

BUILDINGS AND ROADS.
MILITARY WORKS.

# Govt. of {1889} Madras.

## PUBLIC WORKS.

*Dated November, 4th.*

*Read.* *Encl.*

**G.O., 4th Nov. 1889, Nos. 3121, 3122 W.**

**NOVEMBER.**

## Institutes of British Regiments and Batteries in the Madras Presidency

Forwarding copy of Proceedings approving of proposals for utilising a portion of the grant of Rs. 20,000 provided in the current year's budget for Institutes of British Regiments and Batteries in the Madras Presidency and making certain allotments for the institutes.

2255/12

26TH JUNE 1889, No. 1671 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Military Works.**

READ—the following paper:—

From Brigadier-General M. PROTHEROE, C.B., C.S.I., Quartermaster-General, to the Secretary to Government, Military Department, dated Ootacamund, 14th June 1889, No. 1822 A.

I am desired to report, for the information of Government, that the sum made available in G.O., No. 1159 W.,* dated 1st May 1889, for Minor New Works, Ordinary, has been distributed in the following manner:—

* Military Department No. 3699, dated 6th June 1889.

| | | | | Rs. |
|---|---|---|---|---|
| General Officer Commanding | Madras District | ... ... ... | | 5,000 |
| Do. do. | Bangalore do. | ... ... ... | | 4,200 |
| Do. do. | Southern do. | ... ... ... | | 3,000 |
| Do. do. | Belgaum do. | Late Ceded Districts ... ... | | 2,170 |
| | | Mangalore ... | | 630 |
| | | Total ... | | 15,000 |

No. 3936, Military.

Transferred to the Public Works Department.

(By order.)

OOTACAMUND, 17th June 1889. (Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

ORDER—dated 26th June 1889, No. 1671 W., Public Works.

Communicated to officers concerned for information.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E., Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

# Govt. of {1889} Madras.

PUBLIC WORKS.

*Dated June, 26th.*

*Recd.* *Encl.*

**G.O., 26th June 1889, No. 1671 W.**

**JUNE.**

**Minor New Works, Ordinary**

Letter from the Quartermaster-General distributing the grant placed at the disposal of the Officers Commanding Districts under —, communicated to the officers concerned.

Cornet Buildings

V&S/13

Local No. 155.

COMMISSARY-GENERAL'S OFFICE,

No. 2710 Madras, 6 July 1889.

From, Colonel J. C. Gunning,
~~THE~~ COMMISSARY-GENERAL,

To

THE SECRETARY TO GOVERNMENT,

~~MILITARY DEPARTMENT.~~
Public Works Dept.
Madras.

SIR,

Adverting to para 1709 A. R. I. Vol. V. Comt, I have the honor to request you will be good enough to inform me what amount has been placed at my disposal for each Military Circle, for Minor Works in connection with Commissariat buildings.

2. The para above quoted provides that the Superintending Engineers of Circles shall communicate to the Commissary General the information now sought, but I have received no communication on the Subject from those Officers.

I.

I have the honor to be
Sir
Your most obedient Servant
[illegible] Colonel
Commissary General

295
14

P.W.C. No. 6246

8o. Aug. 1671 (w 8) 26.6.89.

From

The Commissary-General,

(7) *Madras*,

To

The Secretary to Government,

~~Military Department.~~
Public Works Dept.
Madras.

Dated 6th |
Received 8 | July 1889.

No. 2710

Enclosures.

Go 1973 at 22nd July 1889

Subject

Requests to be informed what amount has been placed at his disposal for each Mily: Circle for Minor Works.

OSL 7/7

0 / 13/7.

Go 1973 W | 2055 / 13

Public Works Department.

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 22nd July 1889

Read the following

From the Commissary General. } No. 2710 dated 6th July 1889.

note: ... No. 1671 ... 26.6.89

As the whole budget grant for the new Minor works under Imperial Military has been distributed among the officers commanding Divisions and Districts, and as no funds are available with the Government under that head, the Quarter Master General will be requested (under the orders of H.E. the C in C) to reappropriate the amount required by the Commissary General from the grants placed at the disposal of ~~the~~ Commanding Officers.

New 17.7.89.

WCB 13.7.89

Rwest 15.7.89

New 17.7.89

Q 23/7

To
The Military Department
& Commissary General, Madras
(To The Secy to Govt. Mily Deptt for favor of counter-initials)

Cm

Braj

Commit Building

SECRETARY TO GOVERNMENT
25 AUG 89
PUBLIC DEPARTMENT, MADRAS.

Local No. 155.

2655/15

COMMISSARY-GENERAL'S OFFICE,

No. 3290 Madras, 23 July 1889.

From

Colonel J G Gunning

THE COMMISSARY-GENERAL,

To

THE SECRETARY TO GOVERNMENT,

Public Works ~~MILITARY~~ DEPARTMENT.

With the Governor

Stonehouse Hill, Octacamund

SIR,

I have the honor to request that you will kindly reply to my letter No. 2710 of 6th July 1889 regarding the amount placed at my disposal for minor works in the several circles.

2. Kneading machines having been purchased, with the permission of Government, for the bakeries at stations marginally noted, I am desirous of allotting funds for erecting these machines in accordance with the powers conferred by paras 1073, 1074 and 1075 of the Code of Regulations for the P.W.D in the Madras Presidency.

Bangalore
Secunderabad
Wellington
Bellary

I have the honor to be,

Sir,

Your most obedient Servant

J G Gunning Colonel

Commissary General

RG

2015
17

W.C. No: 1005

From Col. J. C. Gunning
The Commissary-General,
Madras,

To

The Secretary to Government,
Public Works ~~Military~~ Department.
Madras

Dated 23
Received 25th / 30 July 1889.

No. 3290

Enclosures.

Requests a reply to his letter No. 2710 d/ 6th July 1889 regarding the amount placed at his disposal for minor works in the several circles.

Go 2095 W d/ 2nd August 1889

Recorded with reference to G.O. No: 1973 W d/ 22nd July 1889

31.7.89

1.8.89

O.L.S. 16.11.89

The Mily Dept. 3/8

10/8.