1. Number of pages. 22
2. Date of repair. 22-6-32
3. Initials of Reference

M.R.O. 1—82,400—23-11-30.

# MADRAS RECORD OFFICE.

## Government of Madras.

Public Works DEPARTMENT.

Cons. 21-4-1857

G.O. No. 699 Press Mis.

89—93

Dated 17—4— 1857

***Not to be folded or roughly handled***

*Fort Saint George, Public Works Consultation of 21st April 1857.*

No. 89. Read the following Extract from the Proceedings of the Acting Superintending Engineer, Northern Circle, in charge of the Central office of Public Works, dated 6th February 1857, No. 10089.

Read the following letter from Lieutenant Colonel W. H. ATKINSON, Superintending Engineer Public Department; to Colonel C. E. FABER, Chief Engineer, dated 29th January 1857, No. 71.

SIR,

With reference to the proposed establishment for myself and the Garrison Engineer, I have the honor to observe that it is utterly impossible to make any reduction in the amount sanctioned in last nights Gazette, without most seriously injuring the efficiency of both Departments.

It was only last April in Extract Minutes of Consultation No. 514, that the Government recorded that "it had long been "aware of the very inadequate scale of the Superintending Engineers office establishment as respects both number and salaries, and that the fact was fully proved by the papers under consideration," and thereupon recommended it should be increased to 1,701 Rupees per month as absolutely necessary for the really efficient performance of its duties." This amount however was further reduced by the Bengal Government to its present sum of Rupees 1,491 experimentally, in the hopes of its being sufficient during a financial pressure.

I have accordingly endeavoured to meet the duties of my department with this decreased Establishment, but I find it impossible for so few persons to perform all the work. To show how greatly the work of the department has lately increased, I append a memorandum of expenditure by which it will be seen that in 1853 the total expenditure for Public Works in Madras was only Rupees 73,500, whereas last year it amounted to 4,93,000 or 6½ times more, moreover out of this Rupees 4,93,000, Rupees 2,26,700 (or nearly half) were spent by special officers appointed solely because my Department were unable to attend to the whole of the works, and they had their own establishments to superintend it.

Now, however, under the new arrangements the Civil Architect and Garrison Engineer between them will have to do all the work amounting in the aggregate to nearly (5,00,000) five *lacs*. There are upwards of 160 large Public buildings about Madras to be looked after and kept in order; many of them too, very old and considerably out of repair, exclusive of the Military roads and bridges, groynes on the Beach, Fortifications &c. &c. and there are several extensive works in contemplation, such as the General Hospital, Exchange and General Post Office, Lunatic Asylum, Gun Carriage Manufactory, Sea Customs and Civil Auditors Office. All these works will have to be soon begun, and will require an immence deal of good Executive Superintendence.

It is therefore my firm opinion founded on many years practical experience of the current duties of this important Department, that the present office establishment cannot possibly be reduced with advantage or economy to the state. On the contrary, I believe it will be necessary to increase it, considerably, and I most earnestly recommend being allowed to retain the whole of my present Office establishment for the new duties involved in my appointment as Civil Architect. And at the same time that the Garrison Engineer be allowed the full amount of Rupees 748 for an Office establishment as sanctioned in last nights Gazette.

A.

Yearly expenditure in Madras by the following Officers.

| | Rs. |
|---|---|
| Superintending Engineer P. D. ... ... ... ... ... | 2,66,300 |
| Captain Rawlins on special duty ... ... ... ... ... | 1,40,000 |
| Captain Hitchins ... ... ... ... ... ... | 31,700 |
| Captain Silver ... ... ... ... ... ... ... | 55,000 |
| In 1856-57.....4,93,000 | |
| In 1853.....75,500 | |

(Signed) W. H. ATKINSON, Lieutenant Colonel,
*Superintending Engineer, P. D.*

of Wines has already been commenced / will be

B.

Additional work which has devolved upon the Department since the sanctioned augmentation of the Superintending Engineer's Department.

Monthly Account Current instead of half yearly A. C. in classified form.
Do. Progress report in classified form inserting in the expenditure of works up to date.

Annual Budget lists.

Abstract of Monthly estimates shewing the probable amount required for disbursement in the District during each month.

Statement shewing the amount of bills submitted, and that of expenditure remaining unaccounted for up to the end of each month.

Register of estimates for works with particulars for each official year.
Account Current of advances made to several contractors and suppliers.
Other accounts rendered as called for by the Chief Engineer from time to time.

(Signed) W. H. ATKINSON, Lieutenant Colonel,
*Superintending Engineer, P. D.*

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Resolved to forward to Government as appendices to the Chief Engineers letter No. 9935 dated 28th Ultimo, copies of the following documents from the Civil Architect.

1. Letter No. 71, dated 29th January 1857.
2. Statements, are marked A. and B.

(Signed) C. C. JOHNSTON, Captain,
*Acting Superintending Engineer Northern Circle.*

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No. 90. Extract from the Proceedings of the Chief Engineer, dated 7th March 1857, No. 10770.

Read the following letter from Lieutenant Colonel W. H. ATKINSON, Civil Architect P. D.; to Colonel C. E. FABER, Chief Engineer, dated 5th March 1857, No. 166.

SIR,

In continuation of my letter No. 158 of the 2nd Instant I have the honor to state that I have inspected Mr. William's house on the Pantheon Road tended for a monthly rent of 140 or 130 Rupees and find that the premises and compound are ample for any thing that would be required for an Office or Department. The only thing now wanting I imagine would be worksheds such as those in the Fort I have lately repaired and improved at an expense of some 2,000 Rupees. But in the present stage of matters I am not at liberty I conceive to propose ought to Mr. Williams who might naturally be averse to engage for any thing unless he were assured of something definite in return.

2. In my opinion however it would be impossible and an absolute stoppage to public business if the office were divided till the works and accounts connected with my late duty of Superintending Engineer (and which it is now proposed to transfer to the Garrison Engineer) are completed and rendered and which the new forms and new orders so constantly received in supercession of the simple and concise Code of Engineer Regulations previously in force greatly complicate and retard more especially as now for the first time I have to obtain and forward in a digested from the accounts of other officers whom I had previously nothing to do with.

3, It is evident I trust that to make a final close of my accounts and proceedings as late Superintending Engineer I shall require the entire establishment which was at my disposal during incumbency. As I have already explained the duties of the office are so much intermixed





that one section of it cannot work without the other the result of the heretofore division of labour as I have explained.

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Resolved that a copy of the foregoing letter No. 166, dated 5th Instant from the Civil Architect, be forwarded to Government for information and orders in continuation of letter No. 10663, dated 4th Instant from the Central office of P. W.

(Signed) C. E. FABER, Colonel,
*Chief Engineer.*

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No, 91. Extract from the Proceedings of the Chief Engineer, dated 18th March 1857, No. 11038.

Read the following letter from Mr. G. WILLIAMS ; to Colonel C. E. FABER, Chief Engineer, dated 18th March 1857.

SIR,

Referring to my letter of the 2nd February, offering for sale or rent the house known as Haliburtons on the Pantheon road, I beg to say that as it is very likely I shall be away altogether from Madras, I would prefer selling the Premises if I could get 19,000 Rupees for it.

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Resolved to forward the foregoing letter of the 18th Instant, to the Government in cantinuation of the Chief Engineer's Proceedings No. 10,770 of the 7th Instant.

(Signed) C. E. FABER, Colonel,
*Chief Engineer.*

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No. 92. Extract from the Proceedings of the Chief Engineer, dated 20th March 1857, No. 11128.

Read the following Extract from the Minutes of Consultation in the Public Works Department, (Military.)

(Here enter No. 478 dated 16th March 1857.)

Resolved, with reference to the foregoing Extract from the Minutes of Consultation No. 478, dated 16th Instant, to forward to Government, as containing the information called for, copies of the Chief Engineer's Proceedings No. 9934, dated 28th January 1857, and of a letter No. 9935 of the same date from the Chief Engineer to the Town Major of Fort Saint George.

(Signed) C. E. FABER, Colonel,
*Chief Engineer.*

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No. 93. ORDER THEREON, No. 699 ; dated 17th April 1857.

In compliance with the requisition of Government conveyed in para. 2, of Extract Minutes of Consultation 16th March 1857, No. 478, the Chief Engineer furnishes copy of his Proceedings of the 28th January last, in which he defines the Departmental position of the Civil Architect and Garrison Engineer respectively ; and he further forwards copy of a letter addressed by him to the Town Major, in which he more definitively separates the duties of the two officers, for the consideration of his Lordship the Governor. Colonel Faber is anxious for an entire separation, not only of their duties, but of their office establishment ; and is moreover desirous that the office of the Civil Architect should be outside the walls of the Fort.

2. The Government generally concur with the Chief Engineer as to the division of duties suggested by him, but before definitively sanctioning the proposed arrangement, they would wish to

have before them a list of all buildings and Public Works, either now existing or in contemplation, which will come under the charge of the Civil Architect and Garrison Engineer. According to the arrangement thus approved by them, the Garrison Engineer will until further orders, be investd with the executive charge of the Fortress inclusive of all the Civil Buildings within its walls, and of all Military works beyond the precincts of the Fort. The Civil Architect on the other hand will have charge of all Civil works outside the walls of the Fort, inclusive of the roads heretofore under the charge of the Officer lately styled the Superintendent of Government roads, an office which no longer exists under the new constitution of the Public Works Department. The premises hitherto occupied as the office of the Superintending Engineer at the Presidency, will be assigned to the Garrison Engineer for an office; but quarters cannot be found for his residence, as there is no building within the Fort available for that purpose. A suitable building without the Fort must be procured for the office of the Civil Architect; and the Chief Engineer will take early steps to apportion the establishment of the late Superintending Engineer between the two officers, according to the extent of work which will now devolve upon each. Colonel Faber will report the apportionment he has effected, for the information and sanction of Government.

3. In his letter of the 4th March last, No. 10663, the Chief Engineer reported that Mr. Williams had tendered his house on the Pantheon road, as an office for the Civil Architect, at a rent of 130 or 140 Rupees a month; and with his proceedings of the 18th March, he forwards copy of a letter from Mr. Williams, stating that he would prefer to sell his house for 19,000 Rupees; but in neither case has the Chief Engineer expressed his opinion on the proposals. Before passing orders therefore on Mr. Williams' tenders, the Government desire Colonel Faber to be good enough to report his opinion, as to the propriety either of renting or purchasing the premises referred to; and in the latter case, to obtain a valuation of the property, and report the sum which in his judgment may be fairly given for it.

(Signed) H. FORBES,
*Acting Secretary to Government.*

5/

No. 9934.

Extract from the Proceedings of the Chief Engineer in the Department of Public Works.

Under date the 28th January 1857.

Read again the Notification containing the orders of Government respecting the new organization of the P.W. in the Madras Presidency, dated 28th January 1857.

Here enter Ex: Mems: Cons: No 211 under date the 27th Jany 57

The Chief Engineer having observed that in para 17, page 5 of the foregoing Notification, the Right Honorable the Governor in Council has been pleased to nominate Lieut-Colonel C Atkinson of Engineers Civil Architect at the Presidency / with orders to make over charge of Military Buildings to the Garrison Engineer / and Captn Rawlins Executive Engineer 3d Class to officiate as Garrison Engineer Fort St George, proceeds to issue the necessary Departmental instructions for the information and guidance respectively of the two Officers who have thus been nominated to the new appointments.

2. In conformity with the entry in the 5th Column of the table published in page 5 of the G.O.G. No 25 of the 28 Jany 1857, the Civil Architect at the Presidency will in future be relieved from the execution of all works in the limits of Madras that are in the "Military Department," and the prospective duties of this Officer / for it seems inadvisable to direct any immediate transfer of Military Buildings the construction or repair of which has already been commenced / will be limited

limited to works strictly of a civil description, whether "General", "Revenue" or "Judicial". With this notable decrease in the extent of duty henceforth to be performed by the Civil Architect at the Presidency, a corresponding reduction must be made in the amount of Office Establishment, and in order to ascertain how far the exact duty of the Superintending Engineers Office, inclusive of 600 Rs. additional authorized on the 8th August 1856, proposed respectively for the Civil Architect and the Garrison Engineer in the tabular Statement submitted to the Government of India with No. 1523 of the 10th October 1856, is likely to be found suitable, the Chief Engineer resolves to call on Lieut.t Colonel Atkinson for a Statement of the expenditure under all Heads of outlay "New Works" and "Repairs during the last 5 years, separating the two Heads of "Civil Department" and "Military Department." All Estimates sanctioned for execution, but not yet begun, within the Garrison of Fort St George, such as the new Office of Civil Audit, and all others in the Military Department will at once be made over to the Garrison Engineer Lieut.t Colonel Atkinson expediting the completion of such Military works as may be already in progress.

Resolved also, to instruct the Garrison Engineer, that whilst vested specially with the superintendence and execution of all works connected with the Garrison of Fort St George comprizing all buildings within the enceinte, he will have the charge of all expenditure within the limits of the Presidency that may be authorized under the Heads of Military. The particular attention of Capt.n Rawlins is to be drawn to para 5 of the



the Resolution of the Government of India in the Financial Department No 8500 under date the 13th December 1856, in order that whatever reduction of the Office Establishment conditionally allotted to him, namely, Rupees 748-8-- in the G.O.G. No 28 of the 28th Jan.y 1857 may be found practicable, may be reported for the information of Government with the least possible delay. The Chief Engineer observes however that whilst the Financial Resolution above quoted very justly deprecates a monthly Expenditure in Fort St George exceeding that authorized in Fort William by no less a sum than 479-12-10 per mensem, it has been apparently overlooked that the whole sum of Rupees 748-8-- has been taken from the aggregate Expenditure of Rupees 1491 authorized for the Superior P. W. on the 6th August 1856 in the Financial Department of Government of India after an unusually prolonged and careful investigation of the actual requirements of Lt.-Col.e Atkinson's Office. The Chief Engineer observes however that one obvious reduction can take effect from the 1st instant in consequence of the appointment of Sergeants James and Hill to the Upper Subordinate Establishment of the permanent P. W. as full Overseers, whereby the aggregate of Rupees 1491 for the Office will be relieved of present payments of Rupees 117-14-2 being the amount of their hitherto salaries. It has also appeared to Colonel Faber that under paras 18 & 19 of the G.O.G 25th Jany, both the Civil Architect and the Garrison Engineer might be allowed to nominate such members of their present Office Establishments, as are fully

fully qualified for the appointments of 2d and 3rd Class Sub Engrs, and who whilst held available for general duties of the new D.P.W might be posted, to the Presidency and their Salaries disappear from the Office Rolls. The Chief Engineer being of opinion that in his capacity of Head of the D.P.W, it is not within his province to issue the further instructions which are requisite to place the duties and functions of the Garrison Engineer on a suitable and defined footing, without previously soliciting the orders of the Right Honorable the Governor of Fort St George he resolves therefore to despatch the following letter:-

/ Here Enter No 99357 28th January 1857. To the Town Major of Fort St George. /

/ True Extract /
W.E. Baker Colonel
Chief Engineer D.P.W.

Inclosed.



No 9935

From The Chief Engineer

To The Town Major
Fort Saint George

Sir

With reference to the Notification contained in the Supplement to the Fort Saint George Gazette of the 28th Instant by which the Right Honble the Governor in Council has been pleased to appoint Lt Colo Atkinson late Supg Engineer A.D. to be Civil Architect at the Presidency, & to nominate Capt Pavolini to officiate as Garrison Engineer Fort Saint George, I do myself the honor to forward an Extract from the Proceedings of the Chief Engineer in the D.P.W. under date the 28th January 1857. defining the duties and position departmentally of those officers, for the information and favorable consideration of His Lordship the Governor, previous to the actual despatch of the Extract respectively for the guidance of Lieut. Colonel Atkinson and Captain Pavolini.

2 But in regard to the functions of the new office assessments and

of the latter officer, I am obviously unable to proceed with the enumeration of the duties which the Garrison Engineer would seem liable to be called upon to perform until through your obliging mediation, I may be honored with the orders of His Lordship as to the footing on which it may be intended that Captain Rawlins should be placed in regard to the defensive works of the Fortress, to the channels of communication which this officer should observe, and the situation of his dwelling place and office, in viein to the same being duly laid down in the standing orders of the Garrison of Fort Saint George.

I have to solicit your indulgence whilst I venture respectfully to recommend that the care and responsible charge of all the Fortifications, outworks, water galleries mines and 7 wells should be confided to the Garrison Engineer, who would receive all orders from the Right Honorable the Governor connected therewith from the Commandant of Engineers, under whom, as regards the foregoing works he would exclusively be placed. Thus the quarterly repair to the works of the Fortress and



generally every thing appertaining to its defence and state of repair, together with the storage of water for the Garrison would belong to the Garrison Engineer, for which purposes the Engineer Key Sergeant Clinton (now appointed a Sub Overseer of the 1st Class in the permanent Establishment of Public Works) and all the 7 Well Establishment would be placed personally under his orders.

4. I would here observe that to avoid future misunderstandings or possible collision, the Adjutant of Engineers (except as the channel of conveying to the Garrison Engineer the orders of the Commandant) and the Sergeant Major of Engineers, should be relieved of whatever duties in connexion with the Fortifications and supply of water &c. they may, in the absence of a Garrison Engineer, have hitherto performed; and that these two officers should be regarded in future as being personally attached to the Commandant of Engineers in the Regimental capacity of that Functionary, but no longer having any official connexion with the defensive Works of Fort St. Geo.

of these offices respectively and

The Garrison Engineer being, as proposed in para 3, practically in charge of the Fortifications, and that in the strictest sense of the word a component member of the permanent strength of the Garrison would apparently seem to be a necessary resident within the Fortress to whom suitable official quarters should be assigned either at once or at the first convenient opportunity. Should His Lordship the Governor be pleased however to dispence with residence I would respectfully submit that at all events, his daily attendance at a "Garrison Engineers Office" within the enceinte should be obligatory and for this purpose the quarters now occupied by the late Superintending Engineer P. D. would seem perfectly suitable.. It is highly desirable for many reasons that the offices of the Civil Architect and the Garrison Engineer should be perfectly distinct and it seems further desirable that the Civil Architect should not be located within the Fortress..

6 In addition to the specially professional duties of the Garrison Engineer in connection with the Fortress as the Executive of the Commandant of



of Engineers, I trust that His Lordship the Governor will see no objection to this officer being invested likewise with all the executive functions within the limits of the Fortress comprising not the Barracks & Military Buildings only, but the Church and all the officers so as to be the sole executive authority for the works within the Fortress whilst in further addition to his range of duties, and in order clearly to mark the line of demarcation between the Civil Architect and himself I should wish that all expenditure in the "Military Department" within the limits of Madras should be under the sole control of the Garrison Engineer so as to include the lines at Vepery and Pram-bore.. By a recent order of Government Poonamallee, Palamcaw, and Saint Thomas's Mount have been placed under the orders of the District Engineer of Chingleput; and with the withdrawal of these three stations, formerly considered outposts of the Presidency, all objection that I can discern to the whole of the Military Buildings being placed in future under the Garrison Engineer (whilst

of these offices establishments and

all Civil works outside the Fortress are under the Civil Architect is removed.

7. It is perhaps unnecessary to request in conclusion that to the Garrison Engineer His Lordship the Governor will be pleased to grant the privilege of unrestricted Ingress and egress through all the gates of the Fortress.

I have &c

Signed C. E. Faber Coll
Chief Engineer

True Copy
Colonel
Chief Engineer

Enclosed.

Enclosed

of their offices establishments and

Public Works Dept.

No 699

Extract from the Minutes of Consultation
Under date the 17th April 1857
Read the following papers.

Extract from the Pro: of the Chief Engineer. (Here enter 6th February 1857 No 10089.)
— D°. D°. — D°. — (Here enter 7th March — " — " — 11770)
— D°. — D°. — D°. — (Here enter 18th — " — " — " 11058)
— D°. — D°. — D°. — (Here enter 20th — " — " — " 11128.)
D°. — D°. — D°. — (Here enter 20th — " — " — " 11128.)

In compliance with the requisition of Govt conveyed in para 2 of Ex: Mins: Cons: 16th March 57, No 470, the Chief Engr furnishes copy of his proceedings of the 28th Jan'y last, in which he defines the departmental position of the Civil Architect and Garrison Engr respectively; and he further forwards copy of a letter addressed by him to the Town Major, in which he more definitively separates the duties of the two officers, for the consideration of his lordship the Lieut. Col Taber is anxious for an entire separation not only of their duties, but of their offices establishments and

Enclosure in a Letter from the Chief Engineer.
To the Secretary to Government P.W.D.
Dated 2nd March 1857.
Received
No 11128
P.W.D. 101/57

Copies of instructions for the guidance of the Civil Architect & Garrison Engineer with letter forwarding the same for the consideration of the Right Honorable the Governor.

Copy received P.W.D. No 101 dated 5th March 1857.
Bombay Castle 7th March 1857.

is moreover desirous that the office of the Civil Architect should be outside the walls of the Fort.

2. The Govt generally concur with the Chief Engr as to the division of duties suggested by him*. According to the arrangement thus approved by them, the Garrison Engr will until further orders, be invested with the executive charge of the Fortress inclusive of all the Civil buildings within its walls, and of all military works beyond the precincts of the Fort. The Civil Architect on the other hand will have charge of all civil works outside the walls of the Fort, inclusive of the roads heretofore under the charge of the Officer lately styled the Supt of Govt Roads, the premises hitherto occupied as the office of the Supt Engr at the Presidency, will be assigned to the Garrison Engr for an office; but quarters cannot be found for him Residence, as

* but before definitively sanctioning the proposed arrangement they would wish to have before them a list of all buildings & public works, either now existing or in contemplation, which will come under the charge of the Civil Architect and Garrison Engr

an office which no longer exists under the new Constitution of the P.W. Dept.

as there is no building within the Fort available for that purpose. A suitable building without the Fort must be procured for the office of the Civil Architect; and the Chief Engr will take early steps to apportion the establishment of the late Supt Engr between the two officers, according to the extent of work which will now devolve upon each. Col Baker will report the apportionment he has effected, for the information and sanction of Govt.

3. In his letter of the 4th March last, No 1063, the Chief Engr reported that Mr. Williams had tendered his house on the Pantheon road, as an office for the Civil Architect, at a rent of 130 or 140 Rs a month; and with his proceedings of the 18th March, he forwards copy of a letter from Mr. Williams, stating that he would prefer to sell his house for 19,000 Rs; but in neither case has the Chief

Engr expressed his opinion, over
[illegible] the proposals.
Before passing orders therefore
on Mr. Williams's tenders, the
Sec'y desires Col Faber to be good
enough to report his opinion,
as to the propriety, either of
renting or purchasing the pre-
mises referred to; and in the
latter case, to obtain a valuation
of the property, and report the
same which in his judgment
may be fairly given for it.

J Capriol to the Chief Engr.
Dec'r 18
3 — Entry Copies

Pr. Com. 17th March 1857 L. 47/2 @ 49/5

Public Works 1857 Dept.
Dft. to Com. 21st April

No 699.

Extract Mins of Com.
Dd 17th April 57.

~~From~~ Chief Eng.r 13th ~~May~~ 57
6 No 981 L.C. 16 Inst.
From do 15th do Cde 995 Com.
From Dr 9th June 576 & 748 } 16 June
29

Requesting the Chf. Engr. to report his opinion as to the propriety either of renting or purchasing the premises of Mr. Millikens as an office for the Chf. architect, & in the latter case, to obtain a valuation of the property, & report the sum which in his judgment may be fairly given for it.

No 89 at 98.

Dft

Chf. Engr. 28th