M.R.O. 1—[illegible]

(1) Number of pages 60

(2) Date of repair 11-4-38

(3) Initials of the Referencer [illegible]

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. [illegible]	Press Ms.
Dated [illegible]	18 [illegible]

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 15th March 1859.

Read the following.

No. 119. Letter from Colonel C. E. FABER, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 18th January 1859, No. 7137.

SIR,

In reply to Extract Minutes Consultation, No. 2789, dated 23rd December 1858, I have the honor to forward copy of a letter* from the Executive Engineer at Bangalore, furnishing the information called for by Government.

* No. 243, dated 3rd January 1859.

2. Captain Mayne states that the out-stations under his charge are four, but he includes Royacottah, which is now under the District Engineer of Salem.

3. the amount of expenditure at the out-stations he considers very small, perhaps not above 300 Rupees a year altogether, but still, if the buildings are under his charge, he must occasionally detach a subordinate to execute repairs and he suggests that the works should be entrusted to the Local Staff Officers for execution. In this proposal however I do not concur, and I think that it would be preferable to arrange that all works at out-stations in Mysore shall be executed by the Provincial Department of Public Works, with the establishment of the *Chief Engineer of that Province.*

4. With regard to the Plans and Estimates for a new Cantonment between Mysore and Seringapatam,* it is certain that the Executive Engineer at Bangalore has not at present any Surveyors, or other professional Subordinates competent to prepare them, and perhaps the aid of the Chief Engineer in Mysore may also be afforded in this case, but no assistance can be derived from the establishment allotted to Bangalore only.

* Extract Minutes Consultation, No. 2175, dated 15th October 1858.

5. Captain Mayne has alluded to his former application for an increased establishment for Bangalore, which as the Government remark, Lieutenant Colonel Lawford recommended to be tried for six months, but only as a charge on the estimates of works in progress, and not as a permanent or separate provision, and this arrangement has, to some extent, been authorized by Captain Orr on his recent visit of inspection.

6. In fact the number of Superintending Officers and Subordinates must vary with the amount of expenditure, and the outlay now going on at Bangalore assuredly demands increased means of supervision.

7. I beg therefore to recommend, for the approval of Government, the following temporary addition to the establishment of the Executive Engineer at Bangalore, chargeable to the estimates of works in progress.

	Rs.
1 Assistant Engineer...	200
1 Overseer...	80
1 Assistant do...	60
1 Sub-Overseer	40
1 Do	20
	400
For six months, Rs.	2,400

Assuming the expenditure to be Rupees 10,000 per month, this would add about 4 per cent. to the cost of superintendence, and would probably save considerably more than that sum in increased economy and greater efficiency of work.

Letter from Captain J. O. MAYNE, Executive Engineer, Bangalore; to Colonel C. E. FABER, Chief Engineer, dated Bangalore, 3rd January 1859, No. 243.

SIR,

I have the honor to acknowledge the receipt of Extract from the Proceedings of the Officiating Chief Engineer, No. 6689, dated 28th Ultimo, forwarding Extract Minutes of Consultation, No. 2789, dated 23rd Idem.

In reply to questions 1, 2, 3 and 4 in para. 6 of the above Extract Minutes of Consultation, I have the honor to reply

1st. The detached out-stations are as follows and the distance from Bangalore set respectively opposite each.

	Miles.
Mysore	84
French Rocks	74
Hurryhur	180
Royacottah	50

2ndly. The charge at these stations is small, occasionally some trifling repairs only to execute; perhaps not above Rupees 300 a year at all of them put together, still if they are to be executed by my Department, and I sent out a man from here, say twice to each station a year, his Travelling Allowance at the least rate (2 annas per mile) would be nearly Rupees 300 a year. I think the easiest way would be to entrust the Staff Officers at these stations with the repairs, they sending in the Bills on the Commanding Officer's countersignature to me for payment.

3rdly. The duties at these stations were formerly executed by the Mysore Department Public Works, but in Extract Minutes of Consultation, No. 1352, dated 13th July 1858, Public Works Department, which accompained Extract from the Proceedings of the Chief Engineer, No. 2011, dated 17th July 1858, they were all put under my charge.

4thly. The increased establishment asked for by me, viz. Rupees 340 per month did not include establishments for these out-stations, as I knew a separate application had been forwarded, but if the Staff Officers at the out-stations take charge of the repairs, the increased establishment mentioned above will suffice for all. The grounds for my application for increased Establishment are: 1st, the small establishment sanctioned, viz. Rupees 999, vide Extract Minutes of Consultation, No. 690, dated 15th April 1858, compared with the amount sanctioned for expenditure, viz. upwards of Rupees 3,75,000 or about 2¼ per cent. and as I have charge of the out-stations and occasionally required to leave Bangalore (for instance I have now orders to prepare Plan and Estimate for new Barracks and Cantonment between Mysore and Seringapatam) it is absolutely necessary that some one should be here to look after such large works now in hand.

No. 120. From Colonel C. E. FABER, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 4th February 1859, No. 7612.

SIR,

With reference to my letter of the 18th January 1859, No. 7137, I have the honor to submit copy of a letter* from the Executive Engineer at Bangalore, requesting instructions for carrying on Repairs of Public Buildings at Hurryhur, for which a requisition had been made by the Officer Commanding the Division, and I would recommend an application to be made to the Commissioner for the aid of the local D. P. W.

* No. 269, dated 27th January 1859.
1 Copy of a letter with 2 enclosures.

Letter from Captain J. O. MAYNE, Executive Engineer, Bangalore; to Colonel C. E. FABER, Chief Engineer, dated Bangalore, 27th January 1859, No. 269.

SIR,

I have the honor to forward " Copies of Requisition" for Repairs to the Public Buildings at Hurryhur, sanctioned on emergency, by the Officer Commanding the Division, not having received as yet any orders as to how the Repairs at the out-stations are to be executed, and this being an extensive repair, including painting, White and Blue washing, &c., for about 12 Buildings. I have the honor to request early instructions as to how to act.

Letter from Colonel J. C. G. STUART, Commanding Hurryhur; to the Deputy Assistant Quarter Master General, Mysore Division, Bangalore, dated 17th January 1859, No. 30.

SIR,

I have the honor to enclose a Memo. of the Repairs required to the Public Buildings, and request you will be so good as to take steps for having them executed and the Buildings white and blue washed, two years having elapsed since this was done.

In the Memo. annexed 12 Pegs are applied for, there being none in the Serjeant's Quarters.

No. 4.

Memo.

No.

The Executive Engineer is requested to have this work executed on emergency.

Officer Commanding Harryhur.

By order of the Officer Commanding the Division.

Required for the Repairs of Public Buildings at Hurryhur.

(Signed) J. D. BERESFORD, Lieut.,
D. A. Qr. Mr. General.

Deputy Assistant Quarter Master
General's Office, Mysore,
Bangalore, 21st January 1859.

Hurryhur, 17th January 1859.

(True Copies.)

(Signed) W. BIRDWOOD, Major,
Officiating Superintending Engineer.

Memo. shewing the different Repairs, &c., required to be made to the Public Buildings at Hurryhur.

	Refixing.				Broken.		
	Hooks.	Accoutrement Pegs.	Tenetians.	Panes of Glass.	Hooks.	Necessary Seat.	Penwindow Sills.
Barracks	6	16	0	0	0	0	0
Hospital	0	0	8	2	1	1	0
Store	0	0	0	0	0	0	1
12 Pegs required for the Staff Serjeant's Quarters.							

The whole of the Buildings lets down rain, and requires painting, plastering, and doors and windows, painting, white and blue washing.

Hurryhur, 17th January 1859.

(Signed) J. C. G. STUART, Colonel,
Commanding Hurryhur.

No. 121. ORDER THEREON, No. 588; dated 15th March 1859.

Para. 1. Resolved that the following letter on the subject of the increased establishment to be allowed to the Executive Engineer at Bangalore be despatched to the Government of India; a copy being furnished to the Chief Engineer for information, with reference to his letter dated 18th January 1859 No. 7137.

2. In the mean time the repairs to Public Buildings at the detached stations in Mysore will be conducted through the agency of the Staff-Officers at those stations, as suggested by Captain Mayne, under the instructions and control of the Executive Engineer of Bangalore. Colonel Faber is requested to instruct that Officer accordingly.

(Signed) J. D. BOURDILLON,
Secretary to Government.

No. 122. Ordered in consequence that the following letter be despatched.

From J. D. BOURDILLON, Esq., Secretary to the Government of Fort Saint George; to Major R. STRACHEY, Officiating Secretary to the Government of India, dated 15th March 1859, No. 589.

SIR,

To Government of India 15th April 1858, No. 691.
Order thereon of the Government of India dated 14th June 1858, No. 2688.

Para. 1. With reference to the papers noted in the margin, I have the honor by desire of the Right Honorable the Governor in Council to submit for the consideration and orders of the Government of India the accompanying correspondence with the Chief Engineer on the subject of the Establishment attached to the Executive Engineer at Bangalore.

From Officiating Chief Engineer, 20th October 1858, No. 4699
Extract Minutes Consultation, 12th Novr. " " 2437
From Officiating Chief Engineer, 24th do. " " 5749
Extract Minutes Consultation, 23rd Decr. " " 2789
From Chief Engineer, ... 18th January 1859, " 7137

2. The Government of India are aware from the Resolution of this Government dated 15th April 1858, No. 690, which formed the accompaniment to Mr. Forbes' letter of the same date No. 691, that soon after the appointment of Captain Mayne to be Executive Engineer at Bangalore, he requested to be allowed the Establishment of a First Class Executive Engineer, besides an Establishment of one Supervisor and two Sub-Overseers, besides a Storekeeper. The reasons assigned for these additions were given in the following words. "A Storekeeper is also "urgently required as there are a large quantity of Stores, and much work going on, in the "work yard. The Supervisor is very essential during the construction of the Barracks, and "afterwards when the heavy works now in hand are completed might be dispensed with. The "Sub-Overseers, I would suggest, be appointed in lieu of the Bricklayer and Carpenter Mais-"tries now on the permanent Establishment of the Superintending Engineer's Office, and the "same individuals might be appointed as Sub-Overseers. I would further point out that at "present I have not a single European subordinate, and it is very essential that one should al-"ways be on the works as I cannot always be present myself during the day."

3. The Chief Engineer suggested that Captain Mayne's Establishment should be fixed on the scale of a Second Class District Engineer, viz. at a monthly cost of Rupees 399, and that he should be further allowed a Supervisor, an Assistant Supervisor, and two Sub-Overseers, making a total charge, inclusive of the salary of the Executive Engineer, of Rupees 1,314 per mensem. The Government however allowed only Rupees 399, to provide not only for the Office Establishment but also for the Establishment of Supervisors and Overseers stated to be required; leaving it to the Executive Engineer to make his own arrangements as to the details. The total monthly expenditure thus authorized by this Government amounted to Rupees 999, being Rupees 145 above that previously authorized; and for this excess, the sanction of the Government of India was conveyed in their Proceedings dated 14th June 1858, No. 2688.

Superintending Engineer's salary and	Establishment..	854
Executive Engineer's	do. ..	999
	Excess	145

4. Since the date of this order, the Acting Chief Engineer having been called upon, at the instance of his Excellency the Commander-in-Chief, to prepare Plans and Estimates for the buildings necessary for a new Cantonment proposed to be formed between Seringapatam and Mysore, brought to the notice of this Government the insufficiency of Captain Mayne's Establishment for carrying out the Executive and Office work connected with the Military buildings in Mysore, in addition to that of the Cantonment of Bangalore, and suggested one of two courses; either the employment of a Permanent Establishment of an Assistant Overseer (with the usual Office Establishment) at the French Rocks, and a Sub-Overseer for Hurryhur; or that Captain Mayne should be allowed "to insert an item in his Estimate of new works and repairs under the head of Extra Establishment for that purpose."

Extract Minutes Consultation, Mily. Dept. 24th Septr. 1858, No. 3440.
From Colonel Lawford, 20th October 1858, No. 4699.

5. Before deciding on this application, this Government asked for more particular information respecting the detached stations of the French Rocks and Hurryhur. They enquired of the Chief Engineer whether these stations belonged to the charge of the Bangalore Executive Engineer; and if so whether the nature of the duties was really such as to require the establishment asked for; and whether any and what connection existed between these detached duties and the new Cantonment proposed in lieu of the French Rocks, to lead him to make the latter proposition the occasion of applying for an Assistant and Sub-Overseer for those stations. The explanation given in reply is contained in Lieutenant Colonel Lawford's letter of the 24th November 1858 No. 5749; but that Officer it will be seen has also brought to notice the inadequacy of Captain Mayne's establishment even for the execution of the works at Bangalore, and has suggested the addition as a temporary measure of an Assistant Engineer with an allotment of Overseers, Assistant Overseers, and Sub-Overseers; the expense of the whole establishment being set down at Rupees 739 per mensem, or Rupees 340 in excess of the charge already authorized.

Extract Minutes Consultation, 18th November 1858, No. 2457.
From Colonel Lawford 24th November 1858 No. 5749.

	Rs.
Authorized charge	399
Proposed	739
Excess....	340

6. The explanations afforded not being so full or distinct as the Government desired to possess, further information on specific points was called for in Extract Minutes Consultation 23rd December 1858 No. 2789, and the reply of Colonel Faber dated 8th January 1859 is the result. The Government learn from this letter that beyond the Military works in Bangalore, there are none of any consequence in other parts of Mysore; the detached stations involving no more than a little expense in repairs, amounting in the aggregate to not above 300 Rupees per annum. Insignificant as these works are, Colonel Faber justly points out that they still require to be looked after; and no hands are available on the Executive Engineer's establishment either for this duty, or for that of preparing Plans and Estimates for the proposed new Cantonment between Mysore and Seringapatam.

7. The Chief Engineer has, like his predecessor, recommended the employment of a temporary establishment. He proposes the entertainment for six months of an Assistant Engineer, an Overseer, one Assistant Overseer, and two Sub-Overseers, at a monthly charge of Rupees 400, in addition to the establishment already allotted to the Executive Engineer; and suggests that the increase should be charged to the Estimates. Assuming the monthly expenditure at Rupees 10,000, the addition, Colonel Faber observes, "would add about 4 per cent. to the "cost of superintendence, and would probably save considerably more than that sum in in-"creased economy and greater efficiency of work." This however does not include the Executive Engineer's salary or the cost of his establishment; which would make the total cost of supervision Rupees 1,400 per mensem, or 14 per cent. on an outlay of Rupees 10,000.

	Rs.
1 Assistant Engineer	200
1 Overseer	80
1 Assistant Overseer	60
1 Sub-Overseer	40
1 do.	20
Total....	400

8. In the Budget of 1858-59 the expenditure proposed for Bangalore within the year was Rupees 3,75,745, out of sanctioned Estimates amounting to 10½ lacs of Rupees; but the Government of India sanctioned an expenditure of only Rupees 1,68,820 besides repairs 6,925; leaving the sum of two lacs of Rupees, being the expenditure proposed for the Dragoon Barracks, to be dealt with hereafter on the receipt of certain information called for on the subject. But this Government have learnt from your letter of 13th January 1859 No. 192, that the Government of India only defer sanction for this work till satisfied that adequate provision is made for the Military defence of the Barracks.

9. In the Budget of 1859-60, the expenditure for Bangalore is set down at Rupees 3,31,090; and deducting the two lacs just referred to, the remainder Rupees 1,31,090 is

about the expenditure calculated upon by the Chief Engineer, viz. Rupees 10,000 per mensem. But as already noticed the postponment of the Barracks is only temporary, and the Government of India* has already authorized collection of materials for them. This work therefore must not be omitted in estimating the quantity of work to be provided for.

10. These being the facts of the case, the points which require to be considered are

1st. The Establishment necessary for Bangalore.

2nd. The means of framing the Plans and Estimates for the proposed new Cantonment between Mysore and Seringapatam.

3rd. The provision necessary for the trifling works at the detached stations.

11. As regards the first, which is also much the most important, the Government have not been informed of the arrangements made by Captain Mayne under the permission granted him to employ the sum of Rupees 399 allowed him for establishment as he might find convenient. In now advocating an increase, the Chief Engineer gives no reason drawn from recognized principles or general experience; and the Government have not the means of judging of *the fairness of the demand by comparison with other similar Executive charges.* The Governor in Council has therefore deemed it advisable to place the facts of the case before the Government of India, and to solicit their decision in accordance with the experience of Bengal, which in this particular is so much larger than that of this Presidency. They would also ask the favour of being furnished with the details of some of the large Military Executive charges in Bengal, as respects both expenditure and establishments. This Government is far from being desirous to augment unduly the Engineering Establishments, but a certain charge on that account is required by true economy; and this proportion in works of this character is probably not different in Madras from what is in Bengal.

12. As regards the second point, viz. that connected with the new Cantonment, the Governor in Council is of opinion that if an adequate establishment is allowed for Bangalore, it will be quite practicable to detach persons for the Survey without the necessity for a special provision.

13. The work at the out-stations is very trifling as already shewn. The Governor in Council does not consider it necessary to maintain any separate establishment on that account, and has directed that it shall be attended to by the Staff Officer of the station, under the general instructions and control of the Executive Engineer of Bangalore.

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* From Officiating Under Secretary to the Government of India, dated 13th January 1859, No. 192.

No. 243.

Executive Engineer's Office

From

Captain L. C. Mayne
Executive Engineer Bangalore

To

The Chief Engineer
D. P. W.
Madras

Sir,

I have the honor to acknowledge the receipt of Extract from the Proceedings of the Officiating Chief Engineer No. 6689, dated 28th Ultimo forwarding Extract Minutes of Consultation No. 2789 dated 23rd Idem.

In reply to questions 1, 2, 3 & 4 in para 6 of the above Extract Minutes of Consultations I have the honor to reply

1st The detached outstations are as follows and the distance from Bangalore set respectively opposite each.

	Miles
Mysore	84
French Rocks	74
Hurryhur	180
Royacottah	50

2ndly The charge at these Stations is small, occasionally some trifling Repairs only to execute; perhaps not above Rupees 300 — a year at all of them put together still if they are to be executed by my Department, and I sent out a man from here say twice to each Station a year the travelling allowance at the least rate, 2 Annas per mile would be nearly Rupees 300 a year. I think the easiest way would be to entrust the Staff Officers at these Stations with the repairs, they sending in the Bills on the Commanding Officers counter signature to me for payment.

3rdly The duties at these Stations were formerly executed by the Mysore Department Public Works. but in Extract Minute of Consultation No. 1352 dated 13th July 1858. P.W.D. which accompanied Extract from the Proceedings of the Chief Engineer No. 2011 dated 7th July 1858 they were all put under my charge.

4thly The increased Establishment asked for by me viz Rupees 340 per month did not include Establishments for these out Stations, as I knew a separate application had been forwarded, but if the Staff Officers at the out Stations

Stations take charge of the repairs the increased Establishment mentioned above will suffice for all. The grounds for my application for increased Establishment are 1st the small Establishment sanctioned viz Rupees 909 vide Extract Minute of Consultation No. 690 dated 15th April, 58, compared with the amount sanctioned for expenditure viz upwards of Rupees 375,000 is about 2½ per Cent and as I have charge of the Outstations and occasionally required to leave Bangalore (for instance I have now orders to prepare Plan and Estimate for new Barracks and Cantonment between Mysore and Seringapatam) it is absolutely necessary that some one should be here to look after such large works now in hand.

Sir, I have the honor to be, &c.

Bangalore
3rd January 1859

(Signed) J. C. Mayne Captain
Executive Engineer Bangalore

(True Copy)

C. Lawford Lieut. Colonel
Superintending Engr. [illegible] Circle

Cav D. III

Central Office of Public Works
Fort St. George 18th Aug. 1859

No. 7137

From
The Chief Engineer,
To
The Secretary to Government
Public Works Departt.

Sir

Public
Enclosure 1
Copy of letter
No. 243 dated
3rd Aug. 1859

In reply to Extract Minutes Consultation No. 2780, dated 23rd December 1858, I have the honor to forward copy of a letter from the Executive Engineer at Bangalore furnishing the information called for by Government.

2. Captain Sayne states that the out stations under his charge are four, but he includes Royacottah which is now under the District Engineer of Salem.

3. The amount of expenditure at the out stations he considers very small perhaps not above 300 Rupees a year altogether, but still if the buildings are under his charge he must occasionally detach a Subordinate to execute repairs

and

1859 Departt.

Enclosure in a letter from
the Chief Engineer
To The Secretary to Govt.
P.W.D.
Dated 18th
Recd. 20 Aug. 1859
MW 27/59 No. 7137
Copy of a letter
from the Executive Engr.
at Bangalore relative
to the execution of works
at out Stations.

and he suggests that the works should be intrusted to the Local Staff Officers for execution To this proposal however I do not concur and I think that it would be preferable to arrange that all works at out stations in Mysore shall be executed by the Provincial Department of Public Works with the establishment of the Chief Engineer of that Province.

4. With regard to the plans and estimates for a new Cantonment between Mysore and Seringapatam* it is certain that the Executive Engineer at Bangalore has not at present any Surveyors or other professional subordinates competent to prepare them and perhaps the aid of the Chief Engineer in Mysore may also be afforded in this case, but no assistance can be derived from the Establishment allotted to Bangalore only.

* G. M. C. No 2175 dated 14th October 1858

5. Captain Mayne has alluded to his former application for an increased establishment for Bangalore which as the Government remarks Lieutenant Colonel Lawford recommended to be tried for six months, but only as a charge on the estimates of works

works in progress and not as a permanent or separate provision, and this arrangement has, to some extent, been authorized by Captain Orr on his recent visit of inspection.

6. In fact the number of Superintending Officers and Subordinates must vary with the amount of expenditure, and the outlay now going on at Bangalore assuredly demands increased means of supervision.

7. I beg therefore to recommend for the approval of Government, the following temporary addition to the establishment of the Executive Engineer at Bangalore, chargeable to the estimates of works in progress.

1.	Assistant Engineer	Rupees	200.
1.	Overseer	..	80
1.	Assistant Do	..	60
1.	Sub Overseer	..	40
1.	Do	..	20
		..	400
	for six months	..	2400

Assuming the expenditure to be Rupees 1,000 per month this would add about 4 per cent to the cost of superintendence and would probably save considerably more than that sum in increased economy and greater efficiency of works.

Central Office of P.W.
Fort St. George
18th January 1859

I have the honor to be
Sir,
Your most Obedt. Servant
Colonel.
Chief Engineer

To
The Secretary to Government
Public Works Departt.

Compd [illegible]

P. Works
Cons: 15 March
No. 127

From
The Chief Engineer
To
The Secretary to Govt.
P.W.D.

Dated 18th
Recd. 18th January 1859

Submits with reference to [illegible] dated 23rd December 1858 copy of a letter from the Executive Engineer at Bangalore and recommends, for reasons stated, a temporary addition to [illegible] establishment for 6 months amounting to Rs. 2400 the amount to be allowed [illegible] 1858-1859.

P. W. to Cons 21st Dec. 58 No. 179
10th Octr. — 6576
13th July — 10679

Copy to the Court of India — 15 March 59

No. 119.

[illegible] Jany/59 24th July [illegible] 1815

[illegible] the Estimates for the Works in progress.—

17

Memo shewing the different repairs &c. required to be made to the Public Buildings at Hurryhur

	Repairing		Broken				
	Sashes	[illegible]	Venetians	Panes of glass	Sashes	[illegible]	[illegible]
Barracks ——	6	16	"	"	"	"	"
Hospital ——	"	"	8	2	1	1	"
Store ——	"	"	"	"	"	"	1

12 Pegs requiring for the Staff Sergeant Quarters

The whole of Buildings lets down rain, and requires painting, plastering, & doors, & windows painting, white and blue washing.

Hurryhur
4th Jany/59

(Above Copy)
(Signed) C. G. Stuart Captn.
Comg. Hurryhur

(Signed) J. A. [illegible] Captn.
Ex. E. Bangalore

(True Copy)
W. [illegible] Major
Offg. [illegible]

No. 30.

To

The [illegible]

[illegible]

Bangalore

Sir,

I have the honor to enclose a memo of the repairs required to the Public Buildings and request you will be so good as to take steps for having them [illegible] the [illegible] [illegible] years having elapsed since this was done.

As the [illegible] 12 [illegible] are applied for these being used in the Surgeon's Quarters—

Bangalore
17 Decr 18[illegible]

I have &c.
(Signed) [illegible]
Capt. [illegible]

A true Copy
(Signed) [illegible] Capt.
[illegible] Bangalore

Memo

No 4

Memo:

The Executive Engineer is requested to have this work executed on emergency.

By order of the Officer Commanding the Division

(Sd) J. D. Berreford Lieut
D. A. Dy Qr Mr Genl

Deputy A. Quarter Mr General's Office
Mysore Division
Bangalore
21st Jany 59

(True Copy)

W. [illegible] Major
Offg Supdg Engr

C. A.

Officer Commanding
Hurryhur

Requesting for the Repairs of Public Buildings at Hurryhur.

Hurryhur
17 Jany 1859

No 269

Div. Engr's Office
Bangalore 27 Jany 59

From
Captain J. C. Mayne
Ex. Engineer

To
The Chief Engineer [illegible]
Mysore

Sir,

I have the honor to forward a copy of Requisition for repairs to the Public Buildings at Hurryhur [illegible] Division not having [illegible] any allowance to have the repairs at the out Stations are to be executed and this being an ordinary repair including painting white and blue washing &c for about 12 Buildings. I have the honor to request early instructions as to how to act.

I have &c
(Sd) J. C. Mayne Captn
Ex. Engr Bangalore

(True Copy)

W. [illegible] Major
Offg Supdg Engineer

Compd W.

Central Office of the
Pub. W. Depart.
1st February 1859

No 7612

From
The Chief Engineer
To
The Secretary to Government P.W.D.

Military

Sir,

No. 1697(?) [illegible]

With reference to your letter of the 18 January 1859, No. 757, I have the honor to submit the copy of a letter from the Executive Engineer at [illegible] regarding [illegible] the expense of police buildings at [illegible] for which a requisition had been made by the Officer Commanding the Division, and I would recommend an application to be made to the Commissioners for the aid of the local D.P.W.—

I have the honor to be,
Sir,
Your most obedt. Servt.

[illegible] Colonel
Chief Engineer

To The Secretary to
Government P.W.D.

Copy [illegible]

Enclosure in a letter from
from the Chief Engineer
to the Secy to Govt P.W.

Dated 4th Feby 1859
[illegible]

No. 7612

No 277/59

Copy of a letter from
the [illegible]
[illegible]
[illegible] to the expense [illegible]
[illegible]

From Chief Engr of 18th Jan/43
No 127 [illegible]

P.W. 1857 [illegible]
[illegible] 15 [illegible]
No 277

From The Chief [illegible]
To The Secy to Govt
[illegible]

[illegible] 4 July 1857
[illegible] 5
No 7612

Encl 1

S.E. No 588 15th March 1857

Submits [illegible]

No 120

10th Feby [illegible] 24 [illegible]

Memorandum-

1. By a Telegraph Message from the Government of India dated 5th February 1858 No 15, this Government was asked to appoint an Officer of Standing and ~~as~~ class suited to the Bangalore charge, the extent and weight of which, it was observed, was not sufficiently known in Bengal.

8th February 1858. 2 Lieutenant J.O. Mayne was accordingly appointed First Class Executive Engineer of Bangalore in Succession to Major De Butts relieved from the Office of "Superintending Engineer" of the Mysore Division, and the circumstances which induced this Government to regard the Bangalore charge as one properly appertaining to that of a First Class Executive Officer are to be found in the Statement furnished by the Chief Engineer of Mysore "of Military works in the Cantonment of Bangalore" already sanctioned and remaining to be sanctioned viz.

	Amount of Estimate	Amount Expended to 1st Decr 57	Balance
11 Works Sanctioned	8,01,640	1,07,330	6,94,310
13 Works to be Sanctioned	3,12,610	—	3,12,610
		Rs	10,06,920

The matter was explained to the Govt of India and the appointment was approved.

3 On the 8th March 1858 the Chief Engineer forwarded a letter from the Executive Engineer of Bangalore, in which amongst other matters he alluded to the strength of his Establishment. Colonel Faber showed that the previous Superintending Engineer drew

	Rs	
For Salary	700	
For Establishment	154	854

and he proposed that Lieut Mayne should be allowed

Salary		Rs 600	
Office Establishment as 2d Class District		399	
1 Supervisor	200		
1 Assistant Overseer	80		
1 Sub Overseer 1st Class 1st grade	60		
Do Do 2d	35		
	375	1374	
		Increase	520

The

Ex: M: Co: 15th April 1858 No 690. 4 The Government informed the Chief Engineer that they were not prepared to sanction so large an increase as was involved in the Chief Engineer's arrangement; considering, that the duties of the Executive Engineer at Bangalore were different from those ordinarily devolving on District Engineers, being confined entirely to Military buildings without any connection with roads, bridges, or irrigation works, that the preparation of plans and estimates, and the office correspondence generally would be limited, the Government were of opinion that the sum allowed to a District Engr of the second class for establishment, should suffice for all purposes. They accordingly sanctioned a monthly disbursement of Rupees 399 to the Executive Engineer for his Office Establishment and for an Establishment of Supervisors and Overseers, and as left it to him to make his own arrangements. By this measure the increase of Cost was as follows.

	Rs		Rs		Rs
Previous charge -	700	+	154	=	854
Present charge -	600	+	399	=	999
				Increase -	145

The Matter was reported to the Govt of India & the sanction of that authority to the increased charge was communicated in their Proceedings dated 4th June 1858 No. 2688.

5. In Extract Minutes Cons: 24th September 1858 the Government in the Military Department called for Plans and Estimates for the Buildings necessary for the formation of a Cantonment on a site between Seringapatam and Mysore, and instructions having been issued to that effect in the Public Works Department, led soon after to a representation of the insufficiency "of the Establishment allotted "to Captain Mayne for carrying out "the Executive and Office work connected with the Military Buildings in "Mysore in addition to that of the "Cantonment of Bangalore" and Colonel Lawford suggested "that either some "permanent establishment be allotted "to Captain Mayne for the Supervision "and charge of the Military Buildings "at the French rocks and Hurryhur "in Mysore, or that he be allowed to "insert an item in his Estimate of "new works and repairs under the head of "Extra Establishment" for that purpose.

Ex: M: C: 15th October 1858
No. 2175

6. Before deciding on this application the Government asked for further information respecting these detached stations and the amount of duty devolving in consequence on the Bangalore Executive Officer. After some correspondence on the subject it appears from the letter now before Govt that beyond the Military works in Bangalore, there are none of any consequence in other parts of Mysore still those works require to be looked after, and no hands are available

for the preparation of the plans and Estimates for the new Cantonment. Colonel Faber says that the expenditure now going on at Bangalore demands increased means of supervision, and he suggests the following temporary addition to Captain Mayne's Establishment.

1 Assistant Engineer	200.
1 Overseer	80.
1 Assistant Overseer	60
1 Sub Overseer	40
1 Do	20
	400 Rs for 6 Months = 2,400 Rs
Present Estabt	399
	Total 799

He adds, "assuming the expenditure to be Rupees 10,000 per Month this would add about 4 per cent to the cost of Superintendence". This would not however appear to be a correct view of the case. The present charge is, as shown before Rupees 999 and if 400 Rs more be added, making about 1400 Rs, the cost of Supervision on an expenditure of 10,000 Rupees will be 14 per cent.

The

7 per cent ought
to cover any Super
intendence

The Government of India are not likely to sanction an Assistant Engineer, and it only remains to be seen, whether the subordinate agency is needed to the extent shown.

7 In the Budget of 1858/59 there were the following Estimates and Expenditure proposed to the Government of India for Bangalore ~~within~~ the year

	Estimates	Proposed expenditure
No 1 Statement	2,39,640.	83,400.
No 2 Do	8,10,390.	2,85,420.
	10,50,030	3,68,820
Repairs		6,925
		3,75,745

The Government of India however sanctioned an expenditure of only Rupees 83,400 and 85,420 total 1,68,820.

8 In the Budget of 1859/60 the total expenditure for Bangalore is set down at Rupees 3,26,090, besides 5,000 Rupees for repairs, total 3,31,090 but of this two lacs on account of the new Dragoon barracks is not likely to be passed by the Government of India, the remainder Rupees 1,31,090 is about the expenditure calculated upon by the Chief Engineer Viz. Rupees 10,000 per Mensem.

9 At the Presidency the complement of Officers is as follows -

Garrison Engineer	1 Garrison Engineer	500.
	His Establishment Rs 517	
	1 Overseer	85
	1 Assistant Overseer	70.
	7 Sub Overseers from 15 to 40 Rs	205
	1 Store Keeper	30
	1 Apprentice	7
	Total Establishment	914
Civil Architect	1 Civil Architect Salary	700
	His Establishment	556-8
	1 Overseer	85
	1 Assistant Overseer	70
	9 Sub Overseers from 15 to 35 Rs	205
	1 Store Keeper	40
	1 Apprentice	7
	Total Establishment	963-8

10 The proposed expenditure at the Presidency in the above departments as contrasted with Mysore, is as below -

	Salary	Establish-ment.	Proposed expenditure -	
			1858/59	1859/60.
Garrison Engineer	500	914..	390561	353187.
Civil Architect	700	963.8	297311	64022.
Mysore	600	399..	Proposed 375745	331090.
			*Sanctioned 175745	131090.

*Nos 1 & 2 = 168820.
repairs 6925.
175745.

Note - I have had this memo-randum prepared, to aid the members of Govt in disposing of the question before them in these papers, viz. the increase proposed to the Estabt of the Garrison Engr of Bangalore -

There are in fact 3 questions:

1st The Estabt necessary for Bangalore

2nd The means of forming the Plans & Estimates for the new Cantonment

3rd the ~~provision~~ for the Trifling works at the outstations.

The first is the most important by far. Comparing the expenditure at Bangalore with that at the Presy. the proposition of the Ch. E. on the 8th March/58 (see above P. 3) seems fair from examination - that proposition gives a total Estabt of Rs 774 to Bangalore, with an expenditure of about 130000 R. At Madras the Garrison Engr spending 350000 R. has Estabt R. 914; & the Civil architect spending say 2 lakhs, has Estabt R. 963 - And adding the Dragoon barracks

R.
Total ~~Est~~ 1374
deduct Engr
Salary 600
Estabt 774

the expenditure at Bangalore is likely in fact much to exceed 130,000 Rup. a year –

It is not stated what arrangements have actually been made by Capt. Mayne, under the permission of Govt to employ the R. 399 then given as he might find convenient: but it certainly seems that either he is allowed too little help or the ~~Presidency~~ Presidency Executive too much –

The Ch. Engr. places before Govt. no reasons for advocating an increase, & no means of judging of the fairness of the demand – I applied to him for informn. as to the Estabt. & expenditure of Ex. offrs. in Bengal, but he can give none – If any increase is to be given, it will be necessary to apply to Bengal, & it seems to me that the best mode of applying will be to state the facts, & ask for a decision in accordance with the experience of Bengal, which in this particular is so much larger than ours. – They might be asked also to send the details of some of their large Executive charges, as to Expenditure & Estabt.

Note. The Govt. of ~~India~~ have now authorized the collection of materials for the Dragoon barracks, & the construction will probably be soon permitted –

This will be the best course

with reference to the comparison with the Civil Architect's office at the Presy., I may notice that the Civ. A. has now asked for a large increase of European inspecting agency –

The proportion of 14 per % noticed in P. 6 of this memo. as the result of experience to the Ch. E. proportion does not seem to me large – but what is so objectionable is that the whole proposal is compromised without any reference to recognized principles –

The Ch. E. recommends the increase proposed by him (Para 7.) for 6 months; but if ~~granted~~ I think it shd. be given permanently – It does not seem to me essential; but I think a Super-

-vision as proposed by Col. Crawford, or even an Asst. Supervisor, wd be better than an Asst. Engineer —

2nd. With reference to the new Cantonment, I think that if an adequate Estabt. is given to [illegible] Jalna, it will be practicable to detach persons for the necessary Surveys, &c. without a special sanction for the purpose —

3rd. The works at the 3 outstations, is very trifling 300 Rs. pa year altogether — It seems no matter whether it is executed by the Staff Offr. as proposed by Capt. Magne, (Para 2) or by the District Engr. Estabt. as proposed by the Ch. E. (P. 3) provided only it be ~~entrusted~~ to ~~an~~ Estabt. which will do the work without [illegible] —

Ch. E. P. 3.

Jany 29.

their large Executive charges, as to Superintendence & Estimates

Memo

C 24 Jany / 11th Feby C 10 / 15 / 22nd / 1st March

their large Executive charges &c
Expenditure & Extent

39

P.W.D.

No 588

Extract from the Minutes of Consultation
Under date the 15th ~~January~~ March 1859 -

Read the following letters from the Chief Engineer -

(Here enter 18th January & 11th Feby 1859 Nos 7137 & 7612 -)

4

1. Resolved that the following letter on the subject of the increased establishment to be allowed to the Executive Engineer at Bangalore be despatched to the Government of India ~~and that~~ a copy ~~of it~~ being furnished to the Chief Engineer for information, with reference to his letter dated 18th January 1859 No 7137 -

2 In the mean time

the repairs to public Buildings at the detached Stations in Mysore will be conducted through the agency of the Staff Officers at those Stations, as suggested by Captain Mayne, under the instructions & controll of the Ex. Engr of Bangalore. Colonel Fraser is requested ~~accordingly~~ to instruct that Officer accordingly. ~~[illegible] Engineer at Bang~~ ~~[illegible] on the subject~~

Copies to the Chief Engr &c. Despd 16th
with Letter to Govt.
of India

Public Works 1859 Dept
Cons: 15 March

No. 588

Extract Minis of Cons.
Dated 15th March /59.

From the under Secty to the
Govt of India Dy 20th Octr
1859 No. 2967 in Cons

The correspondence on the subject of the increased Estabt to be allowed to the Executive Engr at Bangalore to be despatched to the Government of India, and the repairs to Public Buildings at the detached Stations in Mysore to be conducted thro' the Agency of the Staff Officers at those stations under the control of the Executive Engineer of Bangalore—

With letter to the
Govt of India Dy 15
March /59 No. 589.

No. 119 at 121.

10 July/15 – 26 – 28 March

Copied
Dispd 18

PWD

No. 589

To

Major R. Strachey
Offg Secy to the Government of
India

Sir,

To Govt of India 15 April /58 No. 691
Order thereon of the Govt of India
of 14 June /58 No. 2688

From Offg Chf Engr 20 Octr /58 No. 4699
To Mily Cons — 18 Novr " " 2437
From Offg Chf Engr 24 " " " 5749
To Mily Cons — 23 Decr " " 2789
From Chief Engr — 18 Jany /59 " 7437

Para 1 With reference to the papers noted in the Margin, I have the honor by desire of the Right Honorable the Governor in Council to submit for the consideration and orders of the Government of India the accompanying correspondence with the Chief Engineer on the subject of the Establishment attached to the Executive Engineer at Bangalore—

2. The Government of India are aware from the Resolution of this Govt dated 15 April 1858 No. 690, which formed the accompaniment to Mr. Forbes's letter of the same date

No 691, that soon after the appointment of Captain Mayne to be executive Engineer at Bangalore, he requested to be allowed the Establishment of a First Class Executive Engineer, ~~and further~~ besides an Establishment of one Supervisor and two Sub Overseers, besides a Store Keeper. The reasons assigned for these additions were given in the following words - "A "Storekeeper is also urgently "required as there are a "large quantity of stores, "and much work going "on in the work yard. The "supervisor is very essential "during the construction "of the Barracks, and afterwards when the heavy "works now in hand are "completed might be dispensed with. The Sub "Overseers, I would suggest, "be appointed in lieu of "the Bricklayer and

Carpenter

"Carpenter Maistries now "in the permanent Establishment of the Superintending Engineer's office, "and the same individuals "might be appointed as "Sub Overseers. I would further point out that at "present I have not a single European Subordinate, "and it is very essential "that one should always "be on the works as I cannot "always be present myself "during the day."

3 The Chief Engineer suggested that Captain Mayne's establishment should be fixed on the scale of a second Class District Engineer, Vizt at a monthly cost of Rupees 399; and that he should be further allowed a Supervisor, an Assistant Supervisor, and two Sub Overseers, making a total charge, inclusive of the salary of the Executive

Engineer, of Rupees 1,314 per Mensem. The Government however allowed only Rupees 399 to provide not only for the Office Establishment but also for the Establishment of Supervisors and Overseers stated to be required, leaving it to the Executive Engineer to make his own arrangements as to the details. The total monthly expenditure thus authorized by this Government amounted to Rupees 999, being Rupees 145 above that previously authorized, and for this excess, the sanction of the Government of India was conveyed in their Proceedings dated 14 June 1858 No 2688.

Supg Engrs salary & Estabt — 854
Executive Engrs — do — do — 999
Excess 145

4 Since the date of this order, the Acting Chief Engineer having been called upon, at the instance of His Excellency the Commander-in-Chief, to prepare plans and Estimates for the buildings necessary for a new Cantonment proposed to be formed between Seringapatam and Mysore, brought to the notice of this Government the insufficiency of Captain Mayne's establishment for carrying out the Executive and Office work connected with the Military buildings in Mysore, in addition to that of the Cantonment

Ex Mins Com Mily Dept 24 Sep/58 No 3440.

From Col Lawford 20 Octr/58 No 4699

ment of Bangalore, and suggested one of two courses; either the employment of a permanent establishment of an Assistant overseer (with the usual Office Establishment) at the French Rocks, and a Sub overseer for Hurryhur, or that Captain Mayne should be allowed "to insert an item in his Estimate of new works and repairs under the head of Extra Establishment for that purpose."

Before

Ex Mins Cons 18 Nov 1858 No 247

5 Before deciding on this application, this Government asked for more particular information respecting the detached stations of the French Rocks and Hurryhur. They enquired of the Chief Engineer whether these stations belonged to the charge of the Bangalore Executive Engineer; and if so whether the nature of the duties was really such as to require the establishment asked for; and whether any and what connection existed between these detached duties and the new Cantonment proposed in lieu of the French Rocks, to lead him

to make the latter proposition the occasion ~~the opportunity~~ of applying for an Assistant and Sub Overseer for these Stations. The explanation given in reply is contained in Lieutt Colonel Lawford's letter of the 24th November 1858 No 5549; but that Officer it will be seen has also brought to notice the inadequacy of Captain Mayne's establishment even for the execution of the works at Bangalore, and has suggested the addition as a temporary measure of an Assistant Engineer with an allotment of Overseers, Assistant Overseers, and Sub Overseers, the expense of the whole establishment being set down at Rupees 739 per

mensem

from Col Lawford 24th Novr 1858 No 5749

authorized charge	399
Proposed	739
Excess	340

mensem, or Rs 340 in excess of the charge already authorized.

6. The explanations afforded not being so full or distinct as the Govt desired to possess, further information on specific points was called for in Extract Mins Cons 23d December 1858 No 2789, and the reply of Colonel Faber dated 18th January 1859 is the result. The Government learn from this letter that beyond the Military Works in Bangalore there are none of any consequence in other parts of Mysore; the detached stations involving no more than a little expense in repairs,

amounting in the aggregate to not above 300 Rs per annum. Insignificant as these works are, Colonel Faber justly points out that they still require to be looked after; and no hands are available in the Executive Engineer's establishment either for this duty, or for that of preparing plans and estimates for the proposed new Cantonment between Mysore and Seringapatam.

7. The Chief Engineer has, like his predecessor, recommended the employment of a temporary establishment. He proposes the entertainment for six months of an Assistant Engineer, an Overseer, one Assistant Overseer,

1	Assistant Engineer	Rs 200
1	Overseer	80
1	Assistant Overseer	60
1	Sub Overseer	40
1	do	20
		Rs 400

and

and two Sub Overseers, at a monthly charge of Rupees 400, in addition to the establishment already allotted to the Executive Engineer; and suggests that the increase should be charged to the Estimates. Assuming the monthly expenditure at Rs 10,000, the addition, Colonel Faber observes, "would "add about 4 per cent to the "cost of superintendence, "and would probably save "considerably more than that "sum in increased economy "and greater efficiency of work." This however does not include the Executive Engineer's salary or the cost of his establishment, which would make the total cost of supervision Rupees 1400 per mensem, or 14 percent on an outlay of Rupees 10000.

8 In the Budget of 1858/59 the expenditure proposed for Bangalore within the year was Rupees 175745, out of sanctioned Estimates amounting to 10½ lacs of Rupees; but the Govt of India sanctioned an expenditure of only Rs 168820 besides repairs 6925; leaving the sum of two lacs of Rupees, being the expenditure proposed for the Dragoon barracks, to be dealt with hereafter on the receipt of certain information called for on the subject. But this Govt have learnt from your letter of 13 Jany/59 No 192 that the Govt of India only defer sanction for this work till satisfied that adequate provision is made for the Military defence of the barracks.

9 In the Budget of 1859/60 the expenditure for Bangalore is set down at Rupees 331090; and deducting the two lacks just referred to, the remainder Rupees 131090 is about the expenditure calculated upon by the Chief Engr Viz. Rupees 10000 per mensem. But as already noticed the postponement of the barracks is only temporary, and the Government of India has already authorized collection of materials for them. This work therefore must not be omitted in estimating the quantity of work to be provided for.

From Offg. Under Secry to the Govt of India dated 13th January 1859 No 192.

10 These being the facts of the case, the points which require to be considered are,

1st The establishment necessary for Bangalore.
2d The means of framing the Plans and Estimates for the proposed new Cantonment between Mysore & Seringapatam
3d The provision necessary for the trifling works at the detached stations.

As

11 As regards the first, which is also much the most important, the Government have not been informed of the arrangements made by Captain Mayne under the permission granted him to employ the sum of Rupees 399 allowed him for establishment as he might find convenient- In now advocating an increase, the Chief Engineer gives no reasons drawn from recognized principles or general experience; and the Government have not the means of judging of the fairness of the demand by comparison with other similar executive charges. The Governor in Council has therefore deemed it advisable to place the facts

of

of the case before the Govt. of India, and to solicit their decision in accordance with the experience of Bengal, which in this particular is so much larger than that of this Presidency- They would also ask the favour of being furnished with the details of some of the large Military Executive charges in Bengal, as respects both expenditure and establishments- This Government is far from being desirous to augment unduly the Engineering establishments, but a certain charge on that account is required by true economy; and this proportion in works of this character is probably not different in Madras from what is in Bengal.

12 As regards the second point, Vizt. that connected with

the new Cantonment, the Governor in Council is of opinion that if an adequate establishment is allowed for Bangalore, it will be quite practicable to detach persons for the survey without the necessity for a special provision.

13 The work at the outstations is very trifling as already shewn. The Governor in Council does not consider it necessary to maintain any separate establishment on that account, and has directed that it shall be attended to by the Staff Officer of the Station, under the general instructions and control of the Executive Engineer of Bangalore.

Fort St George
15th March/59.

Public Works 1859 Deptt.
Cons: 15th March.

No. 589.

To
The Offg. Secretary to the
Govt. of India.
D/ 15th March /59.

From Do. D/ 20th Octr.
1859. C No. 2967 w Cons.

Forwarding correspondence on the subject of the Establishment attached to the Executive Engineer at Bangalore.

No. 122

C 24th Feby / 28th March