

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	2581	Press
		<u>Mis.</u>
114-115.		
Dated	7-9-	1866.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th September 1864.*

No. 114. Read the following letter from Captain H. TULLOCH, Special Executive Engineer, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Madras, 29th August 1864, No. 10 :—

SIR,

1. On the 7th September next the time for which my extra Establishment was granted will expire. I beg respectfully that Government will be pleased to continue this Establishment for four months longer. The sum for which sanction is now requested is Rupees 1,336.

	RS.
1 Draughtsman on	40
5 Draughtsmen (each on 30 Rupees) ...	150
6 Do. (each on 20 Rupees) ...	120
Total ...	310
4 Lascars	24

Total ... 334 Rupees monthly,

or for 4 months $334 \times 4 = 1,336$ Rupees.

2. I trust this application will not lead Government to suppose that my work is in an unsatisfactory state. I can assure them that the time and labour required in preparing such a large project, solely with the help of a Native staff, in such a form as may enable any Contractor to undertake the work at once are very much greater than could be supposed. I feel confident that when all the Plans and papers are before them Government will not think that there has been any delay.

3. The borings sanctioned on my application are completed. The information obtained has been of the greatest use to me in designing the sewers, and will be as useful to any one who may contract for the work. The results of the borings will be shown in my Plans and Report.

4. Of the money sanctioned to the Draughtsman who was to superintend the borings there is a balance of Rupees 29-0-6 still unexpended. I beg Government will allow me 200 Rupees to experiment on hydraulic and bituminous cements. This is a very important point in connection with the project, and every effort should be made to obtain some good bituminous mixture which will effectually resist the action of the foul gases arising from sewage. The result of these experiments would be communicated to Government.

5. The sum for which sanction is now requested will be as follows :—

	RS.
For extra Establishment	1,336
„ experiments on cements	200
Total...	1,536

No. 115. ORDER THEREON, 7th September 1864, No. 2,581.

1 Draughtsman at 40 Rupees.
5 Do. at 30 „
6 Do. at 20 „

1. Under the explanation afforded, the Governor in Council grants authority for the Establishment marginally noted, being continued

by Captain Tulloch for a further period of four months. The charge will be met from savings in Part III of the Budget.

2. In paragraph 2 of G. O. No. 1,369, dated 12th May 1864, Captain Tulloch was permitted to retain the four Lascars sanctioned under date the 25th January last “till no longer required.”

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7th September 1864.

3. The Government sanction the expenditure of a sum of Rupees 200 on the experiments alluded to in paragraph 4, and direct that the amount be charged against the allotment* (Rupees 1,260) for the Pommel tank project.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government.

To the Superintending Engineer, 4th Division.
To Captain Tulloch, Special Executive Engineer.
To the Controller of Public Works Accounts.
„ Accountant General.

Exd. S. T. Augustin.

No. 10.

From
Captain A. Tulloch
Special Ex. Engineer

To
The Secretary to Government
D.P. 10

Sir,

On the 7th September next
the time for which my Extra
Establishment was granted will
expire. I beg respectfully that Govern-
ment will be pleased to continue
this Establishment for 4 months
longer. The sum for which sanction
is now requested is Rs. 1336.

1 Draftsman on 40 Rs.

5 Draftsmen
(each on 30 Rs) } 150 Rs

10 do (each on 20 Rs) } 120 Rs

Total 310 Rs

4 Lascars 24 Rs

Total 334 Rs monthly

or for 4 months $334 \times 4 = 1336$ Rs.

2 I trust this application will not lead government to suppose that my work is in an unsatisfactory state. I can assure them that the time & labour required in preparing such a large Project, solely with the help of a native staff, in such a form as may enable any Contractor to undertake the work at once are very much greater than could be supposed. I feel confident that when all the Plans & Papers are before them government will not think that there has been any delay.

3 The Borings sanctioned on my application are completed. The information obtained has been of the greatest use to me in designing the sewers & will be as useful to any one who may contract for the work.

The results of the borings will be shown in my Plans &

Report.

Of the money sanctioned to the Draftsman who was to superintend the borings there is a balance of Rupees 29,000 still unexpended. I beg government will allow me 200 Rs. to experiment on hydraulic and bituminous cements. This is a very important point in connection with the Project. Every effort should be made to obtain some good bituminous mixture which will effectually resist the action of the foul gases arising from sewage. The result of these experiments would be communicated to government.

The sum for which sanction is now requested will be as follows:
For Extra Establishment - 1336 Rs.
For Experiments on Cements - 200 Rs.
Total 1536 Rs.

I have the honor to be, Sir
Your obedient servant
29th August 1884
Madras.
H. W. R. S. Captain
Special Engineer

Longer Required

Project

Chelmsford 2

7th Dec 1864

To the Captains of
 the Cotton Mills

Special Agent
in Charge
U. S. Department of Justice

Y^{rs} Account^t 1861-62

Dec 10
 M. 1864. 10 of Oak
 House No 3817 + purchased
 Capt. J. H. Smith
 Special Lt. J. H. Smith

To the President of the

Sept 29 - 29th August/84
 29 - "

Departing London from
on 24th Feb. 1846
arriving at Naples
1386 & from 20th Feb
to make 24 permits
on by France and
Antoniominio County.

210,2581-7¹⁴80456/64

Put an order.

2581

Under the explanation is

afforded, the Governor in Council
grants authority for the establishment
=ment marginally noted being
continued by Captain Childers
for a further period of 40 months

The change will be met on
from drawings in Part III of the
Budget.

2 In page 2 of 4. A

A. 1369, dated 12th May 1864

Captain Walker was permitted

to retain the four leaders
mentioned under the

25th January last "At noon

Long