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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3241	Press
B.P. No.		Mis.
Dated	13-11	2875-195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
13th November 1875.*

No 301. Read the following letter from T D. HARRIS, Esq, Officiating District Engineer, Malabar, to Major-General G. W. WALKER, R E, Secretary to Government, Public Works Department, dated Calcut, 27th October 1875, No 110 —

WITH reference to G O, No 2,863, dated 6th instant, requiring explanation upon the excess expenditure in paving the wells at Cannanore, I have the honor to forward copies of correspondence which my predecessor forwarded to the Controller of Public Works Accounts when submitting the completion certificate for the work.

Letter from the District Engineer, Malabar, to the Controller of Public Works Accounts, No 54, dated 10th February 1875
Letter from the Assistant Engineer, Cannanore Range, No 397, dated 22nd January 1875, to the District Engineer, Malabar
Letter from Overseer in charge of the Cantonment, to the Assistant Engineer in charge, Cannanore Range, No 62, dated 23rd December 1874

2 From these papers it will be observed that the chief causes for excess are for works not included in the original estimate, dated so far back as 1869, such as pointing with cement, repairing broken parapet walls of the wells and drain, and the rates allowed in the original estimate being also rather low, in addition to these, the supervision could not be kept together owing to the works being 2 miles or more apart from each other

3 In the statement of savings and demands, dated 26th January last, Rs 884 on account of paving the wells at Cannanore, being the amount of excess above the original allotment, and Rupees 470 on account of converting old Pay Office into Garrison Hospital at Cannanore (being Rupees 36 less allotted in the Budget 1874-75, and Rupees 435 outlay above original estimate) were asked for, but in G O,

Item 23
No 824, dated 23rd March 1875, a sum of Rupees 470 was sanctioned for the conversion of the Pay Office, but nothing was allotted for paving the wells

4 A comparative statement of the work is herewith forwarded, and I may add that I have carefully examined the works in question, and find that they have been well, carefully, and substantially executed. Trusting the information will be found satisfactory, I beg that you will direct the allotment of Rupees 884

No 302 ORDER THEREON, 13th November 1875, No 3,241

MILITARY WORKS, No 10-A.

THE explanation given by the District Engineer in reference to the excess incurred on the estimate for paving the wells at Cannanore is accepted, but that officer's attention is called to the Order of Government of the 21st May 1859, No. 801, paragraph 2, which prohibits the burdening of Government with unnecessary enclosures as accompaniments to letters submitted to them. The letters attached to the District Engineer's letter should have been noted by himself as far as necessary instead of being forwarded

2 No allotment was made for this work in the orders passed on the District Engineer's statement of savings and demands for last year, because no supplementary

Proceedings of the Madras Government, Public Works Department,
13th November 1875.

estimate had been furnished, and there was no sanction, and it does not appear that any is now necessary seeing that the expenditure was incurred last year.

(True Extract.)

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

To the District Engineer, Malabar
" Controller of Public Works Accounts

Exd S T Austin
Spare Copies

N^o 110

Malabar Distt. 7.
Dated 27th October 1875.

From
The offg: District Engineer
Malabar

To
The Secretary to Government
P.W. Department
Madras

Sir,

With reference to G. O. N^o 2863

Dated 6th Instant, requiring explanation upon

the excess expenditure in paving the wells at
Cannanore, I have the honor to forward copies
of the Letter from the Distt
Engr Malabar to the
Controller P.W. Dept
N^o 54 of 10th Feby 75 of correspondence which my predecessor for-
warded to the Controller Public Works
Letter from the
Apptd Engr Cannor
Range N^o 397 of
22nd Janry 1875
to the Distt Engr
Malabar -
Letter from Overseer
in charge of the
Cantonment to the
Apptd Engr in charge
Cannanore Range
N^o 62 of 23rd Decr
1874
Accounts when submitting the Completion Cer-
tificate for the work.

From these papers it will be

observed that the chief causes for excess
are for works not included in the original
estimate dated so far back as 1869, such
as Pointing with Cement, repairing broken
parapet walls of the wells & drain, and
the rates allowed in the original estimate
being also rather low, in addition to these,
the supervision could not be kept together
owing to the works being 2 miles or more
apart.

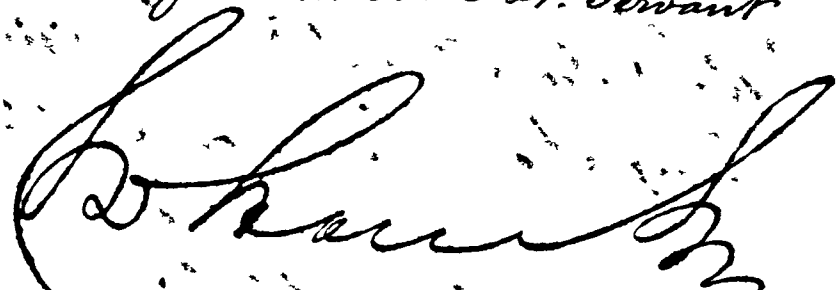
In the statement of Savings and demands dated 26th January last, Rs. 884 on account of paving the Wells at Cannanore being the amount of excess above the original allotment, and Rs. 470 on account of converting old Pay office into Garrison Hospital at Cannanore (being Rs. 36 less allotted in the Budget 1874-75 and Rs. 435 outlay above original estimate) were asked for but in G. O. No. 824 of 23rd March 1875 a sum of Rs. 470 was sanctioned for the conversion of the Pay office, but nothing was allotted for paving the wells.

Item 23

4 A comparative statement of the work is herewith forwarded, and I may add that I have carefully examined the works in question, and find that they have been well, carefully and substantially executed. Trusting the information will be found satisfactory. I beg that you will direct the allotment of Rs. 884-0-0.

I have the honor to be

Sir,
Your most Obedt. Servant


Offs. Distt. Engineer, Malabar

406 Cets/sk 81-82
Pub. 22nd May 1857 sk 801

P.W. 1875 Dep't
No. 6980
From
The District Engineer
Malabar

To
The Secretary to Govt.
S. P. D.
Chadur
Dated 29. October 1875
Revenue 30th "
Encl. 2
No 110.

Explain the causes
of ex. exp in passing the
wells in the Canton-
ment of Cannanore

No 301

Cir 10-11-75

G.O. No 3241-13-11-75

No 54

Malabar Distt Engr's Office
Dated 10th February 1876

From
The District Engineer
Malabar

To
The Controller of P. M. Accounts
Madras

Sir,
I have the honor to forward Co-
pletion Report on Paving wells in the
Cannanore Cantonment, duly coun-
signed by the Brigade Major, Malabar
and Cannanore.

2. I also forward the correspondence
as per margin with regard to the
excess expenditure of Rs 893-3-11 incurred
by the Cannanore Range Office
over the original estimate of Rs 2790
for the work.

I have &c.
Sd/ W. S. Harrington
Dist Engineer, Malabar

No 397
Cannanore 22 January 1876
Despatched 25th Id.

From
The Assistant Engineer
Cannanore Range, Malabar
To
The District Engineer
of Malabar

I have the honor to forward for your information the following reasons for the large excess on the rating of Cantonment Wells.

1. I have been very carefully into the whole work, as about half of it was done whilst I was away on duty at Madras, and I wished if possible to arrive at a correct solution of the excess.

2. I find that the excess may be set down to these reasons:—

(1) That the rate allowed for this kind of work may be taken as a little low, but only a very little.

(2) The scattered nature of the work, the wells being situated so far apart that so good a supervision could not be kept over them as if the work had all been on one spot.

(3) That the labour was out of proportion to the work, and too much was employed.

(4) That the Overseer did not keep the work people up to the mark and that he has been too good to them, he trusted the masons and Coolies too much and they abused his confidence.

(5) That extra work was done in the way of pointing with cement and

and also repairing broken parapet walls of the wells, as well as a drain and which was not allowed in estimate and which I added to make them uniform to other wells previously done, and also to carry off water in one direction, but as the full number of wells was not done for reasons given further on, and the total amount of masonry really done being only 166 yds more than estimated for the extra work can only be taken into account so far as the cost of Cement and the labor employed in pointing is concerned.

4. The work no doubt was difficult to superintend. There were two miles or more between points to point where many of the wells were situated.

5. The Overseer certainly was industrious, and pushed on the work very rapidly, and it is certainly very well and solidly done. Half or perhaps more than half was done whilst I was away at Madras, and between the 20th October and 12th November but in trying to do it so fast he employed it seems to me too many masons, women, Coolies and boys, and a proper check could not, and was not kept over them - hence the greater part

of the wells.

6. The whole expenditure is Rs 183.5.11
The expenditure should have been about 344.16.3

7. The work began in April, and
left off at end of May owing to the
monsoon. There were two wells fin-
ished then, the total expenditure on
labor on these two wells, including

* Coorlas masons,
boys, women

pointing with Cement and also
drain (which were extra to estimate)
was Rs 92.13.5 Hence the average
expenditure on one well for labor
should have been Rs 45.6.10. As one
of these wells had its parapet re-
paired and as some wells were
not done entirely round owing
to water trough or other reason,
we may take 45 Rs as the true
average rate for each well.

8. In the estimate 41 wells
were allowed, but only 34 were
actually entirely done, as three
wells could not be traced owing
to alteration in the Cantonment
since 1869, and one well was done
in the European hospital, but I
cannot find any record of it
in my Office, and three were done
by other Agency and I added a
drain only. We have therefore
that the total labor (including
all kind of labor and pointing
and repairing should be 34×45

for

for wells ————— Rs 1530. ————
Labor for putting 3 drains ———— 20 ————

But the total labor given by Sept.
Willis = 1665.5.1, which is too much
I consider.

9. I have when inspecting the
work often asked Sept. Willis
about the tasks the men were doing
and he told me they were working
properly. I have also remarked
that the tasks seemed low, and
he used to tell that they were
proper, and were the "muruk" for
the place.

10. I have been carefully through
all his accounts, and I find that
instead of the average task of masons
laying being 50 as he stated (and
which they really did do at the
beginning of the work) that on the
whole taking the number of stones
actually laid out of his daily
reports that they only averaged
43 stones each which is a very low
task indeed and the same way
"shapers", he told me that they ought
to shape and as I understood did
shape 22 as a task, but I find that
they actually shaped only just 19.

11. These results are obtained by
actually comparing the number
of masons employed with the actual
work done taken from his own daily

reports and I think that he could not have kept the masons and coolies so strictly in hand as he should have done, although, as I have said before, this was a more difficult work to supervise thoroughly owing to its scattered nature. There is no doubt good reason for more labor for Coolies on the wells that were done after the first two, as these were close together, and the others were more scattered and Churnam had to be pounded and carried ^{some} little distance which of course adds to labor slightly.

12 Before I went away to Madras in October there were about 18 or 19 wells completed.

13 The labor masons on these from April.

20th October was Rs 748-11-11

which is reasonable I think, but during my absence at Madras, when the wells were completed, and between

20th October to 12th November on the remaining about 18 or 19 wells 2 of which only had drains built, the expenditure for masons was Rs 916-9-2

Difference 167-18-3

14. I certainly do not see any reason for this great rise in masonry. I think that the Overseer in his zeal to get the work done, during my absence, overlooked the importance of keeping a tight hand on the natives and employed too many men so that he was unable to supervise them properly owing to the distance the wells are apart and the great number of people employed.

15. The expenditure should be approximately as follows:

Labor proper for 34 wells @ 45 Pice each	1530	0	0
Labor for 3 drains including shaping			
laying & erecting hive about	20	0	0
Value of Stones	1378	4	9
Churnam	189	0	0
Cement	119	0	0
Carting Stones from Jail	24	8	0
Sundries & Superintendence & extra establishment from Overseer's accounts	158	9	1
	Rs 3419	14	8
Expenditure is	Rs 3688	3	11
	263	5	8

16. The difference 263-5-8 then represents the extra labor employed, part of which was perhaps necessary, but the greater part most unnecessary.

17. The Portland Cement is extra to estimate. I found that the Churnam was washed out of the joints.

by the people drawing water, and I therefore pointed the work with Cement, hoping to do it out of the Estimate. In this I was mistaken. 18. As for the drains, as there was no specification for a guide I did the work in the best way I could.

19. I enclose the Overseer's explanation as well as a Comparative

Statement with revised Estimate. 20. The work is very good & solid and well carried out, and as far as the execution goes, does the Overseer credit, the only thing to complain of is that the supervision was not and could not have been as good as it should have been.

I have &c.
Signed/ H. C. Dobson. Lt R.E.
Sgt. Engineer, Malabar.

N. 62.0

The Officer in charge of
Cannanore Range

With reference to my letter N. 60 dated 17th Instant, I beg to forward the following explanation and request that you will be good enough to cancel the above and accept this instead.

the stones as equal to 100 cft. the labor for shaping and laying at Conductors Quarters is as follows:

Shaping $\frac{225}{45} = 5$ masons @ 7-6-2-3-15
(Laying) $\frac{225}{90} = 2\frac{1}{2}$ masons @ 7-6-1-7-2
Total Cost 3-10-9

Rs. ——— Rs. for Paving Wells
(Shaping) $\frac{225}{22} = 10\frac{5}{22}$ masons @ 7-4-7-7
(Laying) $\frac{225}{50} = 4\frac{1}{2}$ masons @ 7-6-10-9
Total Cost 7-2-4

Difference in labor on 100 cft. ——— 3-7-7

Deduct difference of rates ——— 2- — —

Total extra labor on 100 cft. ——— 1-7-7

Total extra labor on 12465 cft. ——— 185-11-7

12465 Cft of laterite in Cannanore at Conductors Quarters would only require 28000 stones, whereas in paving Wells there have been purchased 37350 or 9350 stones more than would be required for ordinary work. The price of these added to extra labor for shaping and laying as shown above amounts to 538 Rs. + 394 Rs. for Printing = 932 Rs.

The extra stones were required on account of the peculiar way the stones had to be dressed, this has already been explained.

Cannanore
23rd Decr. 1874

I beg to -
Signed/ M. Willis Esq.
Overseer D.P.W.

OT

/True Copy/

St. A. C. Dobson Lt. R. C.

Asst. Engineer, Malabar

/True Copies/

J. D. Kaur
off. of Engr. Malabar



215

In a letter from the
Offs. District Engineer,
Malabar, to the
Secretary to Govt.,
H. P. W., Madras,
dated 27th October
1875, No. 110. -

CG-13 Korumby 75
in No. 301

PW 6980/75
2

Copies of Correspondence
-ence regarding
the excess expenditure
-ture on the work
of "Paving Wells"
in the Canton-
-ment at Cannan-
-nore

No 3241 - Public Works Dept. 2/9

Proceedings of the Madras Government

Under date the 13th Nov^r 1895

Read the following

From

The Dist. Eng. Malabar (H.C. No 10 dtd 10th Oct. 1895)

The explanation given by the District Engineer in reference to the excess incurred on the Estimate for Paving the wells at Bangalore is accepted but that Officers attention is called to the order of Government of the 21st May 1859 No 801 para 2 which prohibits the

In a letter from the
Offy. District Engineer
Malabar to the
Secretary to Govt.
H. P. W. Madras,
dated 27th October
1895, to No. —

M. 698/15

Comparative state-
ment on the work
of Paving wells
in the Bangalore
municipal cor-
poration

the binding of Govt
with unnecessary en-
losures as accompaniments
to letters submitted to
them. The letters attach-
ed to the District Engineer's
letter should have been
quoted by himself as

far as necessary in-
stead of being forward-
ed.

2. No allotment was
made for this work in
the orders passed on the
District Engineer's state-
ment of savings and
demands for last year
because no supplementary

Estimate

384
Estimate had been
furnished and there
was no sanction and
it does not appear
that any is now ne-
cessary seeing that the
expenditure was in-
curred last year.

Ames
G.M.W.

St. Hugh Malabar
Control & Rep.

Drpd 24-11-75

x² att B

1875
Govt. of 1875 Madras.

PUBLIC WORKS.

To J. H. Malabar

11/11/11

Date

Issued

By

Per

G. O. 13 Nov 1875, No 3241

Nos. 301-302

Comptroller of the Public Works
Malabar Dist. - The explanation
by the Dist Engr regarding the
excess incurred on the estimate
for paving the — accepted
with remarks.