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190

Local & Munl. (1896) Department.

MISCELLANEOUS.

G.O., No. 849 in

DATED 18th May 1896

[Despatch Abstract.]

READ AGAIN ORDER OF GOVERNMENT, DATED
189 , No. , MISCELLANEOUS.

ENCLOSURES.

CURRENT No.

STATEMENT WITH DITO.

ORDER OF GOVERNMENT

STATEMENT WITH DITO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL (not paged).

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A — Copy in full
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BACK PAPER, No. OF 18

FURTHER PAPER, No. OF 189

Copied by
Examined by

S. E.
12 1,000--10-3-93.

No. _____

From

HORMUSJI NOWROJI, Esq., B.C.E., A.M.I.C.E.,
ASSISTANT SANITARY ENGINEER TO GOVERNMENT,

To

The Sanitary Engineer to Government.

SIR,

*Experiments for the Copper Mountain Scheme,
Bellary Water Supply.*

I have the honor to report that the allotment of Rs 2000 for the above experiment has proved insufficient. I append an estimate for the work as it is now likely to cost. The original estimate of Rs 2000 was of course a very approximate one. The following causes have tended to increase the estimate. (1) I originally calculated on obtaining pumping machinery either from the Southern Mahratta Railway or from somewhere not far from Bellary.

No machinery was available anywhere near Bellary, and a pump & engine had to be sent all the way from Madras. The cost of transmission to and return of the engine from Bellary will be about Rs 530. Then again, a smaller pump & engine not being available, one capable of working far in excess of our requirements had to be obtained at a proportionately higher rent. A large engine doing less than its normal amount of work entails a waste of fuel. (2)

In the first estimate I had assumed rates for excavation allowed in Municipal and Local Fund works at Bellary. These rates, I subsequently discovered, are from 25 to 50 percent lower than the P.W.D rates of the district, and I have been unable to obtain any contractor to do the work for anything below the P.W.D rates.

2. I request you will be so good as to address Government on the subject and obtain its reply early

Sanction for the extra allotment of Rs 9000, as any interruption of the work for want of funds will only entail greater expenditure. Hire of the engines has to be paid and the establishment kept up whether there is work or not.

3. The work has not yet sufficiently advanced to forecast results. On the other hand neither have any improbabilities been revealed. As I have said in my original report I am far from being confident of obtaining an all-sufficient supply for Bellary. But even a supply of 4 or 5 gallons per head, which may probably be obtained, is not to be despised in a dry place like Bellary.

Moreover, as suggested by Mr. King recently, if the Alipore tank scheme be supplemented by the water available from the Copper Mountain Scheme, it may successfully solve the question of water supply for Bellary. The Alipore tank scheme prepared by the Sanitary Engineer was shelved because doubts were

entertained as to the sufficiency of
water. With the Copper Mountain Scheme
as an auxiliary to the Chipore tank
scheme, a sufficient supply will per-
haps be ensured.

4. To the existing disadvantages of
the Hageri Scheme, i.e., its great cost
both initial and annual, another
has been recently added. The Sanitary
Commissioner has discovered impurities
in that water which may require
Chemical treatment to make it potable.
If Chemical treatment or even filtration
through sand filters is considered a sure
pro non, the Hageri Scheme will be
financially hopeless.

5. All circumstances point to
the necessity of carrying the Copper
Mountain Scheme experiments to com-
pletion.

I have the honor to be,
Sir,
Your most obedient
(sd) Horunsihowroji
Asst. San'y. Engr. to Govt
I am

'True Copy'

True
Sanitary Engineer to Govt

tel
all

From
The Asst Sanitary Engr
to Government

To

The Sanitary Engineer
to Government

Subject

Experiments for the
Copper Mountain Scheme

Report on the
insufficiency of allot-
ment of Rs 2000 for the

Abstract of Detailed Estimate No. , dated , for the
construction of Experiments in connection with Copper Mount scheme
Bellary Water Supply.

Quantity.	Description of Work.	Rate.			Per	Amount.			TOTAL.		
		RS.	A.	P.		RS.	A.	P.	RS.	A.	P.
30,000	1ft Excavation in soil to a depth of 10 ft	6	8	"	10000ft	195	"	"			
33,000	1ft Excavation in rocky soil to a depth of 30 feet	19	"	"	do	627	"	"			
	Conveying one 12 H.P. Engine &c to the Salt Columns Station of the Madras Railway Company.	25	"	"	Sum	25	"	"			
	Railway fare for conveying machinery from Madras to Bellary	175	"	"	do	175	"	"			
	Crane charges at Guntakal Station for unloading machinery from Ry. Wagons	25	"	"	do	25	"	"			
	Conveying machinery from Bellary Ry. Station to site of gallery - 5 miles	50	"	"	do	50	"	"			
3	Months Hire of one 12 H.P. Engine	100	"	"	a month	300	"	"			
3	Months Hire of one 8" centrifugal pump	16	"	"	do	48	"	"			
45	Days Pumping charges	15	"	"	Day	675	"	"			
	Conveying machinery from site of gallery to Bellary - Ry. Station 5 miles	50	"	"	Sum	50	"	"			
	Crane charges at Guntakal Ry. Station for loading machinery in Ry. Wagons	25	"	"	Sum	25	"	"			
	Railway fare for conveying machinery from Bellary to Madras	175	"	"	do	175	"	"			
	Carried over					2370	"	"			

Grand Total of Estimate

Handwritten notes in Tamil script at the top of the left page.

Extensive handwritten notes in Tamil script covering the left page, including a large heading 'The Sanitary Engineer'.

S. E. 18 500-8-10-95.
 Abstract of Detailed Estimate No. , dated , for the
 construction of Experiments in connection with the Copper Mount Scheme.
 Bellary, Water Supply.

Quantity.	Description of Work.	Rate.		Per	Amount.		TOTAL.	
		RS.	A. P.		RS.	A. P.	RS.	A. P.
30000	Brought forward				2370	" "		
	Conveying machinery from							
	Salt Colours Station to the							
	Madras Municipal Workshop	25	" "	Sum	25	" "		
	Total				2395	" "		
	Add for Establishment and							
	Contingencies &c				305	" "		
	Surveys & Levels				200	" "		
							2900	" "
Grand Total of Estimate					Rs	2900	" "	

True copy
[Signature]
 Sanitary Engineer to Govt
[Signature]

Urgent

No. 1402

GOVERNMENT OF MADRAS.

OFFICE OF SANITARY ENGINEER,
Fort St. George, 6 May 1896.

From

J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E.,
SANITARY ENGINEER TO GOVERNMENT,

To

The Chief Secretary to Government,
Local and Municipal Department.

SIR,

I have the honor to forward a report and estimate from the Asst. Sanitary Engineer to Government in charge of the experimental gallery being constructed to test the possible or probable supply from the Ballagala stream in connection with what is known as the Copper Mountain Scheme and to request that under the circumstances explained the Municipal Council may be asked to make an additional grant of Rs 900.

I have the honor to be,
Sir,
Your most obedient

J. A. Jones

Sanitary Engineer to Government

2/1359 noted

Local & Municipal Dept.
CURRENT No. 1359

From Wright

The Sanitary Engineer
to Government

To
The Chief Secretary
to Government
Local & Municipal Dept.

No 1402

Dated 6
Desp 6
Received } May 18 96
7 MAY. 96
Enc - 1

Subject
Investigation of
Superintendence for the
Copper Mountain Scheme

Submitting a report
and estimate from the
Asst Sanitary Engineer
to go on the neces-
sity for an additional
grant of Rs 900 for -
requesting
very early sanction
for the same.
I with order

432-83 h 16-8-96
238 h 8-2-96
443 h 5-12-95
4936 h 22-4-95
1469 h 9-7-95

order No 849 Minis of
18-5-96
Communicated to the
Municipal Council, Bellary, with the
request that the additional sum of
Rs 900, required for the investigation of
the Copper mountain water-supply
scheme, may be placed at the disposal
of the Sanitary Engineer without delay.
It is observed that this expenditure can
be met out of the sum of Rs 4000, provided
in the budget for 1896-97, under New works
water supply.

WWS
11-5-96
Rs 155/96

The closing balance of the budget
for 1896-97 is only Rs 1000 & will be re-
duced by nearly one-half, if the sum
required is allotted from it. Hence the last
sentence of the draft is added, to point
out the source from which the expenditure
is to be met.
The Chairman, M.C. Bellary
Sanitary Engineer
7/5

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When examined
When signed

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