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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2555	Press
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Dated 27.10.	1876.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th October 1870.*

No. 381. Read the following letter from the Acting Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Madras, 3rd October 1870, No 77.—

IN the Order as per margin, Government having directed me to take the necessary measures for ascertaining the exact state of the works in progress under the Madras Irrigation and Canal Company, and to report how far the estimated cost of each is likely to cover all outlay on its completion, I called on the Agent to furnish me with a statement showing the value of work remaining to be done on the 1st July last under each sanctioned estimate, as compared with the unexpended balances of sanctions, together with the estimated expenditure on establishments and of stores to 30th June 1871. This document I have just received, and I have now the honour to enclose a revised statement in the same form as that which I previously* submitted, being a statement of funds available for expenditure on the 1st July 1870, and the estimated outlay from that date to 30th June 1871.

The statement shows funds available, including stores ..	RS 16,27,069
Estimated value of work remaining to be done and other expenditure to 30th June 1871 ..	13,34,807

Difference estimated to remain unexpended on 30th June 1871 ..	2,92,262
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I am of opinion, however, that the cost of establishments is under-estimated by Rupees 36,528, and the figures require a further correction on account of stores, in order to find the probable cash balance on 30th June 1871. for it will be observed that while the value of stores on hand on 1st July 1870 is ... Rs. 2,91,713 the estimated expenditure to 30th June 1871 under store charges is ,, 81,848

2,09,865

whence the funds that will be available on the 30th June 1871, as calculated by the Agent and the Chief Engineer, namely, Rupees 2,92,262, must be reduced by Rupees 36,528 + 2,09,865 = 2,46,393 leaves only 45,869, as the stores that will remain on hand, although forming part of the capital, will not be immediately convertible into cash, and this amount, Rupees 45,869, so far as I can judge, will be all at the Company's disposal, either for carrying on operations or winding up the concern, as the case may be.

The particulars of estimated expenditure, exclusive of establishment, are—

Work remaining to be done, including estimates not yet submitted, and the repairs of the breaches of 6th August 1870 ..	RS. 8,36,082	RS
Contingencies ..	99,903	
		9,35,985
Extra work for safety ...		50,000
Home expenditure estimated at ..		45,822
		10,31,807

*Proceedings of the Madras Government, Public Works Department,
27th October 1870.*

2 The statements from which the value of work remaining to be done has been abstracted are voluminous, and in great detail. They show how much is required to complete each masonry work of every kind anicut, bridge, weir, aqueduct, culvert, etc., also for excavation and forming embankment in each mile of the canal, and for trimming banks, repairing breaches, contingencies, store charges, and including the cost of all works of distribution

3 The statement appears to have been most carefully prepared, and I have no reason to question its correctness, but in submitting it I have to notice that this estimated value of work remaining unfinished on 1st July 1870 is much smaller than the unexpended balances of sanctioned estimates on that date.

My calculation is that the unexpended balances of estimates on 1st July last was RS.
10,59,192

To which must be added—

Estimates since sanctioned and submitted for sanction 2,52,936
Further estimates to be sanctioned as per statement now received .. 1,91,000
Cost of repairing breaches 66,380

Total .. 15,69,508

against Rupees 9,35,985, the sum total of work remaining unfinished, as per the Chief Engineer's statement, being a difference of Rupees 6,33,523, which is so large a sum that I can scarcely think the smaller amount includes all that the Company are liable for; and I am apprehensive that, although the estimated value of work remaining to be done may be correct, there are perhaps further heavy payments to be made for work previously done, for balances due to contractors, and for materials supplied.

4 I am just about proceeding on a tour of inspection of all the works, which the unusual rain of this season prevented my doing at an earlier date, as the roads were quite impassable, and I will be able to verify the statements of value of work remaining to be done

Statement of funds available for expenditure on the 1st July 1870 by the Madras Irrigation and Canal Company, and the estimated outlay to June 1871.

The funds available for expenditure on the 1st July 1870 are as follow .—

Amount remaining with Government for withdrawal out of the guaranteed and paid-up and Loan Capital on the 30th June 1870	RS
Actual Cash balance with the Company in India, as per Agent's Account Current for June 1870	7,12,882
Estimated do do with the Board of Directors in England on that date	5,22,474
Value of stores on hand on the 30th June 1870	1,00,000
	2,91,713
Total ..	16,27,069

*Proceedings of the Madras Government, Public Works Department,
27th October 1870.*

The outlay required for the completion of works is as follows —

RS

Estimated value of work remaining to be done, including estimates not yet submitted and the cost of repairs of breaches on the 6th August 1870,

Main Supply	4,60,185
Distribution	2,94,049
Store Charges	81,848
	8,36,082
Extra work for safety	50,000
Home expenditure estimated	45,822
Estimated cost of Establishments from 1st July 1870 to 30th June 1871	3,03,000
Do do Contingencies	99,903
	4,02,903
Total	13,34,807
Difference ..	2,92,262

MADRAS,
3rd October 1870

(Signed) J CARPENDALE, Colonel, R E,
Acting Consig. Engr. for I & C C.

No. 382 ORDER THEREON, 27th October 1870, No. 2,555.

IRRIGATION, No. 25.

In Proceedings of the 29th June 1870, No. 1,563, the subject of the financial position of the Madras Irriga-

tion and Canal Company came under the consideration of Government, and the Acting Consulting Engineer was directed to take measures for ascertaining the exact state of each work in progress under the Company, and to report how far its estimate was likely to cover all outlay on its completion.

2. From the statement submitted with this letter the following results are arrived at —

Funds available on the 30th June 1870, including the value of stores on hand	RS. 16,27,069
Estimated value of work remaining to be done, and other expenditure up to 30th June 1871.	13,34,807
Difference estimated to remain unexpended on the 30th June 1871	2,92,262

3. Colonel Carpendale explains that, in order to obtain a correct estimate of the amount of *cash* that will be available on the 30th June 1871, it will be necessary to deduct from this unexpended balance a sum of Rupees 2,09,865, as the value of stores estimated to remain on hand at that date, and a further sum of Rupees 36,528, by which amount he considers the cost of establishments has been underestimated, thus leaving Rupees 45,869 only, in money, at the disposal of the Company upon the expiration of their contract.

4. The Chief Engineer sets down the value of work remaining unfinished on the 1st July 1870 at Rupees 9,35,985, while the unexpended balances of sanctioned estimates on that date, including expenditure since sanctioned, with the amounts of estimates submitted for approval, are calculated by the Acting Consulting Engi-

Proceedings of the Madras Government, Public Works Department,
27th October 1870.

neer to reach Rupees 15,69,508, thus leaving a difference of Rupees 6,33,523 This sum is so large as to lead Colonel Carpendale to think that it represents payments still to be made for works of various kinds already executed As to this, however, he appears to have had no opportunity of satisfying himself, but he intimates his intention of personally examining the state and progress of the Company's works, and the Government will await his further promised report on their condition, and on the general financial position of the undertaking.

(True Extract.)

Colonel, R E,

Secretary to Government

To the Consulting Engineer for the Madras Irrigation and Canal Company.
,, Agent and Manager for do, do

Exd S T Augustin

Consulting Engineer, Office
Irrigation & Canal Company
Madras, 3rd Oct 1870.
5

(77)
Mr. Colonel, Carpendale
Below line for R.E.C.
The Secretary to Government
Public Works Department.

N^o 1563-29 June/70. - In the order as per margin, Government having directed me to take the necessary measures for ascertaining the exact state of the works in progress under the Madras Irrigation and Canal Company and to report how far the estimated cost of each is likely to cover all outlay on its completion, I called on the Agent to furnish me with a statement showing the value of work remaining to be done on the 1st July last under each sanctioned estimate, as compared with the unexpended balances of estimates, together with the estimated expenditure on Establishments and stores to 30 June 1871. This document I have just received, and I have now the honor to enclose a revised statement in the same form as that which I previously submitted, being a statement of funds available for expenditure on the

N^o 30-17 June/70.

1st July 1870, and the estimated outlay from that date to 30th June 1871.

The statement shows funds available including stores Rs. 16,27,069

Estimated value of work remaining to be done and other expenditure to 30th June 1871 Rs. 13,34,807

Difference estimated to remain unsatisfied on 30th June 1871 Rs. 2,92,262

I am of opinion however that the cost of establishment is under estimated by Rs. 36,520 and the figures require a further correction on account of stores, in order to find the probable cash balance on 30th June 1871 for it will be observed, that while the value of stores on hand on 1st July 1870 is Rs. 2,91,713 the estimated expenditure to 30th June 1871 under store charges is Rs. 21,048

209,865

whence the funds that will be available on the 30th June 1871 as calculated by the Agent and the Chief Engineer, namely; Rs. 2,92,262 must be reduced by Rs. 36,520 + 209,865 = 246,393 leaves only Rs. 45,869 as the stores that will remain on hand, although forming part of the Capital, will not be immediately convertible into cash, and this amount Rs. 45,869 so far as I can judge will be all at the Company's disposal either for carrying on operations, or winding up the concern, as the case may be.

The

The particulars of estimated expenditure exclusive of establishment are:

Work remaining to be done, including estimates not yet submitted, and the repairs of the breaches of 6th August 1870. Rs. 8,36,082
Contingencies Rs. 92,903
Extra work for safety Rs. 50,000
Home expenditure estimated at Rs. 45,822

The statements from which the value of work remaining to be done has been abstracted are voluminous, and in great detail. They show how much is required to complete each masonry work of every kind; Arment Bridge - Weir - Aqueduct - Culvert - &c.; also for excavation and forming embankment in each mile of the canal, and for trimming banks, repairing breaches, contingencies, store charges, and including the cost of all works of distribution.

The statement appears to have been most carefully prepared, and I have no reason to question its correctness, but in submitting it I have to state that this estimated value of work remaining unfinished on 1st July 1870 is much smaller than the unsatisfied balances of sanctioned estimates on that date.

My

My calculation is that the unexpended
balances of estimates on 1st July last
was Rs. 10,59,172
to which must be added:-

Estimates since sanctioned and submitted
for sanction 2,52,936

Further estimates to be sanctioned as per
statement now received 1,91,000

Cost of repairing breaches 66,300
Total Rs. 15,69,500

against Rupees 9,35,905 the sum total of work
remaining unfinished as per the Chief Engineer's
statement, being a difference of Rupees 6,33,594²³
which is so large a sum that I can scarcely
think the smaller amount includes all that
the Company are liable for, and I am apprehensive,
that although the estimated value of
work remaining to be done may be correct, there
are perhaps further heavy payments to be made
for work previously done, for balances due
to contractors, and for materials supplied.

I am just about proceeding on a tour
of inspection of all the works, which the un-
usual rain of this season prevented my doing
at an earlier date, as the roads were quite im-
passable, and I will be able to verify the
statements

statements of value of work remaining to
be done. —

I have the honor to be,
Sir,
Your most obedient servant,
J. G. Macdonald
Agent for S. C. Company.

C. B. B.

P. D. D.
 No. 2555
 Proceedings of the Madras Govt.
 Read the following
 from
 The Acting Engineer
 for I. & C. Co.

(K. E. No. 779 3rd Oct 1870)

In Proceedings of the
 19th June 1870, No. 1563 the sub-
 ject of the financial position
 of the Madras Irrigation and
 Canal Company came
 under the consideration
 of Govt. and the Acting
 Eng. Engineer was di-
 rected to take measures
 for ascertaining the exact
 state of each work in
 progress under the Com-
 pany, and to report
 how far its estimate
 was

2555-27th Oct 1870
 800th Nov 1870 and
 800th Nov 1870 6 Oct 1871.

Public Works 1870/1
 No. 111
 From 28-3938
 The Acting Engineer
 to
 The Secretary & Govt. Agents

Notes 3rd Oct 1870
 No. 2555-27th Oct 1870

Encl.

Submit statement
 showing the expenditure
 of the works in progress
 under the Madras Irr. &
 Canal Co. with the remarks
 thereon.

2555-27th Oct 1870
 800th Nov 1870 and
 800th Nov 1870 6 Oct 1871.

was likely to cover all
outlay on its completion.

From the statement
submitted with this letter
the following results are
arrived at.

Funds available on the 30 June 1870,
including the value of stores on hand.
Estimated value of work remaining
to be done, and other expenditure
up to 30 June 1871.

Difference estimated to remain
unexpended on the 30 June 1871. }

Rs

16,27,069

13,34,807

2,92,262

Colonel Carpendale
explains that in order to
obtain a correct estimate
of the amount of cash
that will be available
on the 30 June 1871 it
will be necessary to
deduct

13
deduct from this unex-
pended balance a sum
of Rs 2,09,865 as the
value of stores estimated
to remain on hand at
that date, and a further
sum of Rs 36,528, by
which amount he con-
siders the cost of esta-
blishments has been
under-estimated thus
leaving Rs 4,58,69 ^{in hand} only at
the disposal of the Company
upon the expiration of
their contract.

The Chief Engineer
sets down the value of
work remaining unfi-
nished on the 1st July 1870
at Rs 9,35,985, while the
unexpended balances
of

of sanctioned estimates on
that date, including ex-
penditure since sanc-
tioned, with the amounts
of estimates submitted
for approval, is calculated
by the Acting Comd Engineer
to reach Rs 15,69,508 thus
leaving a difference of Rs
6,33,523. This sum is so
large as to lead Colonel
Carpendale to think
that it represents pay-
ments still to be made
for works of various
kinds already executed.
As to this, however, he
appears to have had no
opportunity of satisfying
himself, but he intimates
his

intention of personally
examining the state and
progress of the Company's
works, and the Govt
will await his further
promised report on their
condition, and on the
general financial posi-
tion of the undertaking.

To

The Comd Engineer for the
M. J. & C. Co with one statement

Agent & Manager do do do
Dec/2 31/10/20

No 3938.
Govt. of (1870) Madras.

PUBLIC WORKS.

To The Consulting Engrs for
the Madras Irrigation and
Canal Company

Date

Recd

"27th Oct" 2555.

Nos. 38/4, 1882

Works. We further report, pro-
vided by the Engrs for the
Madras I & C. Co., on the state
of general financial position
of the Company's works, annexed.