

(1) Number of pages 19
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public work DEPARTMENT.

G.O. No. <i>2786</i>	Press Mis.
<i>219-220.</i>	
Dated <i>10-9-</i>	<i>1867.</i>

Not to be folded or roughly handled

29.11.63

*Proceedings of the Madras Government, Public Works Department,
10th September 1867.*

No. 219. Read the following letter from the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 28th August 1867, No. 61 :—

1. I have the honor to submit for the consideration of Government a letter, No. 481 of the 12th instant, from the

1 Letter in original from Agent.
1 Comparative Statement.

Chief Engineer, Madras Irrigation and Canal Company, applying for supplemental sanction for the works of the 9th Section Main Canal, to the extent of 25

Received with the Agent's Endorsement, No. 225, of the 20th idem.

per cent. on the original earth-work estimates, and 30 per cent. on those of masonry, which were sanctioned in 1864, and re-sanctioned in Proceedings of the Madras Government, No. 784 of the 14th March last.

2. At present, labor rates in the Dhoor Division are much lower than in the Kurnool District, but it is improbable that there will long remain any great difference when the demand in the former shall have become so considerably increased as will shortly be the case. The Chief Engineer states in his letter that "a contractor has engaged to take the whole section, and engages to complete the same in order within three years at the rates entered in the present estimates," and, if sufficient security be taken for the due fulfilment of such an engagement, it will be worth while to fix the rates, as is now proposed, on a liberal scale. Unless, however, the Company be thus secured, it would be advisable to get as much work as possible done cheaply, while labor is cheap; for contractors have been too much in the habit of adhering to their agreements while the work was easy and profitable, and of omitting to do any more immediately the profits became small.

3. In the enclosed comparative statement, prepared in the Chief Engineer's Office, the sanction for irrigation sluices has been included, under Masonry, with that for main supply. The revised estimate for main supply will be—

	RS.
Earth-works	2,86,174
	54,471
Contingencies	20,060
	3,60,705
Masonry works	2,32,870
Add 30 per cent.	69,861
Contingencies	29,710
Locks	2,13,139
	5,45,580
Off-take channel, road diversions, and sundry works which remain as in the former estimate	39,552
	9,45,837
Amount already sanctioned under Main Supply	8,02,811
	1,43,026
Difference requiring supplemental sanction	1,43,026

4. Similarly, under Distribution, the amount sanctioned is Rupees 11,884, and is entirely for masonry works, so that the addition will be 30 per cent., or Rupees 3,241, which sum represents the supplemental sanction required under this head. The total sanction for Distribution will then be 15,125 Rupees.

*Proceedings of the Madras Government, Public Works Department,
10th September 1867.*

5. The lowest rates, those for black cotton soil, as now entered in this estimate are, if the increase has been made equally throughout, a trifle higher than those already sanctioned for similar work in the 8th Section, but the difference does not exceed two Pies a yard, or 9 or 10 per cent. It will be noticed that no addition has been made to the lock estimates pending a decision as to whether they are to be constructed of the dimensions already sanctioned.

6. With these remarks I beg to recommend that supplemental sanction be given in accordance with the Chief Engineer's revised estimate, viz. :—

For Main Supply		Rupees	1,43,026
Distribution		"	3,241
Total Rupees			1,46,267

From J. F. SCHWARTZ, Esq., for Chief Engineer, to the Agent and Manager, Madras, dated Kurnool, 12th August 1867, No. 481.

* G O No 784, dated 11th March 1867.

† No. 125, dated 4th March 1867.

1. When the Government lately sanctioned the 9th Section,* it was understood, as stated in Captain Mullins' letter,† that the rates would require raising, and that so soon as possible it would be ascertained what rise is prudent.

2. I have now the honor to ask for a rise, and to send in the detail summary of the estimate as obtained by inserting the new rates.

3. The effect of these is to raise the earth-work from Rupees 2,87,540 to Rupees 3,60,705, an increase of 25 per cent., the average rate being thus raised from 2 Annas 4 Pies to 2 Annas 11 Pies a cubic yard. The masonry is raised from Rupees 4,87,603 to Rupees 5,60,705. But this is only approximate, inasmuch as the design of locks being not yet fixed, I have merely taken them at the same total price, in the new as in the old estimate. The rise in masonry is increased, owing to the absence of any allowance for centering in Mr. Clarkson's estimates, while his rates for archwork are not relatively large enough to pay for centering.

4. A contractor has engaged to take the whole section, and engages to complete the same in order within three years at the rates entered in the present estimates.

5. As to contingencies I do not see that they need be estimated higher than before, and I have, therefore, inserted the nearest to the former estimate which will make a round sum.

6. At present Mr. Carruthers reports that stone is worked at only four quarries below the 148th mile at Mulhamully, and he thus describes them : "Dhoor—stone good, but covered with about 6 feet of earth. Sungidinapully—stone middling, quarries make much water and are very deep. Sarvarpully, near Midokoor—stone good but covered with six feet earth and six feet of bad rock. Adimapully end of Division—stone good and easily procured. Rock crops out on the 166th mile, but is quite worthless. It would be worth while to sink wells in it to see if better stone cannot be found below. The quarries at Dhoor and Adimapully will, I think, be found the only ones to be depended on for face work. Sand will have to be carted great distances, as it is only to be found in the bed of the Koodaur, which is from four to six miles distant from the lines."

No. 225.

Forwarded to the Consulting Engineer, with comparative statement of sanctioned and revised rates for earth-work and masonry in the 9th Section, for early sanction.

MADRAS,
20th August 1867.

(Signed) F. H. HENSLOWE,
Agent and Manager.

*Proceedings of the Madras Government, Public Works Department,
10th September 1867.*

No. 220. ORDER THEREON, 10th September 1867, No. 2,786.

IRRIGATION, No. 6.

Under the circumstances brought to notice in these papers, the Government sanction the supplemental estimate

of Rupees 1,46,267 for the works of the Ninth Section of the Madras Irrigation and Canal Company's Main Canal. The total of the estimates for that section will now stand at Rupees 9,60,962, as follows :—

Main Supply		Rupees	9,45,837
Distribution		"	15,125

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

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

Exd. S. T. Augustin.

Enclosures:

1 letter in origl.
from Agent.

Consulting Engineers' Office
Irrigation & Canal Company
Madras, 28th August 1867.

N^o 61.

From,

Captain, J. Mulline, R.E.

Consulting for I.C. Co.

To,

The Secretary to Government

Department of Pub. Works.

Sir,

Received with the Agent's
endorsement N^o 225 of the
20th Decr.

I have the honor to submit for the
consideration of Government a letter, N^o 481
of the 12th instant, from the Chief Engineer,
Madras Irrigation and Canal Company, ap-
plying for supplemental sanction for the
works of the 9th Section Main Canal to the
extent of 25 per cent on the original earth-
work estimates, and 30 per cent on those
for Masonry, which were sanctioned in
1864 and re-sanctioned in Proceedings of the
Madras Government N^o 781 of the 14th
March last.

2. At present labor rates in the Shoor
Division are much lower than in the Tirumool
District, but it is improbable that there
will long remain any great difference when the
the

the demand in the former shall have been as will shortly be the case - come so considerably increased. The Chief Engineer states in his letter that a Contract - "or has engaged to take the whole Section, and engaged to complete the same in order within three years at the rates entered in the present Estimates", and, if sufficient security be taken for the due fulfilment of such an engagement, it will be worth while to fix the rates, as is now proposed, on a liberal scale. Unless however the Company be thus secured it would be advisable to get as much work as possible done cheaply, while labor is cheap; for Contractors have been too much in the habit of adhering to their agreements while the work was easy and profitable, and of omitting to do any more immediately the profits became small.

3. In the enclosed Comparative Statement, prepared in the Chief Engineer's Office, the sanction for Irrigation drains has been included, under masonry, with that for Main Supply. The revised Estimate for Main Supply

Supply will be: 2

Earthworks	Rs. 286174
	54,471
Contingencies	20,060
	3,60705
Masonry works	232870
At 30 per cent	69861
Contingencies	29710
Locks	213139
	545,580
Off take channel, road divisions and sundry works which remain as in the former estimate.	Rs. 39,552
	9,45,837
Amount already sanctioned under Main Supply	8,02,811
Difference requiring supplemental sanction	1,43,026

4. Similarly under Distribution the amount sanctioned is Rupees 11,884, and is entirely for masonry works, so that the addition will be 30 per cent or Rupees 3,241 which sum represents the supplemental sanction required under this head. The total sanction for Distribution will then be 15,125 Rupees.

5. The lowest rates, those for black cotton soil, as now entered in this estimate are, if the increase has been made equally throughout, a trifle higher than those already sanctioned for similar work in the 8th Section, but the difference does not exceed two pice a yard or 9 or 10 per cent. It will be noticed that

that no addition has been made to the Vite
Estimates pending a decision as to whether
they are to be constructed of the dimensions
already sanctioned.

b. With these remarks I beg to recommend
that supplemental sanction be given in
accordance with the Chief Engineer's revised
estimate viz: for

Main Supply Rs. 1,43,026
Distribution Rs. 3,241
Total Rs. 1,46,267

I have the honor to be,

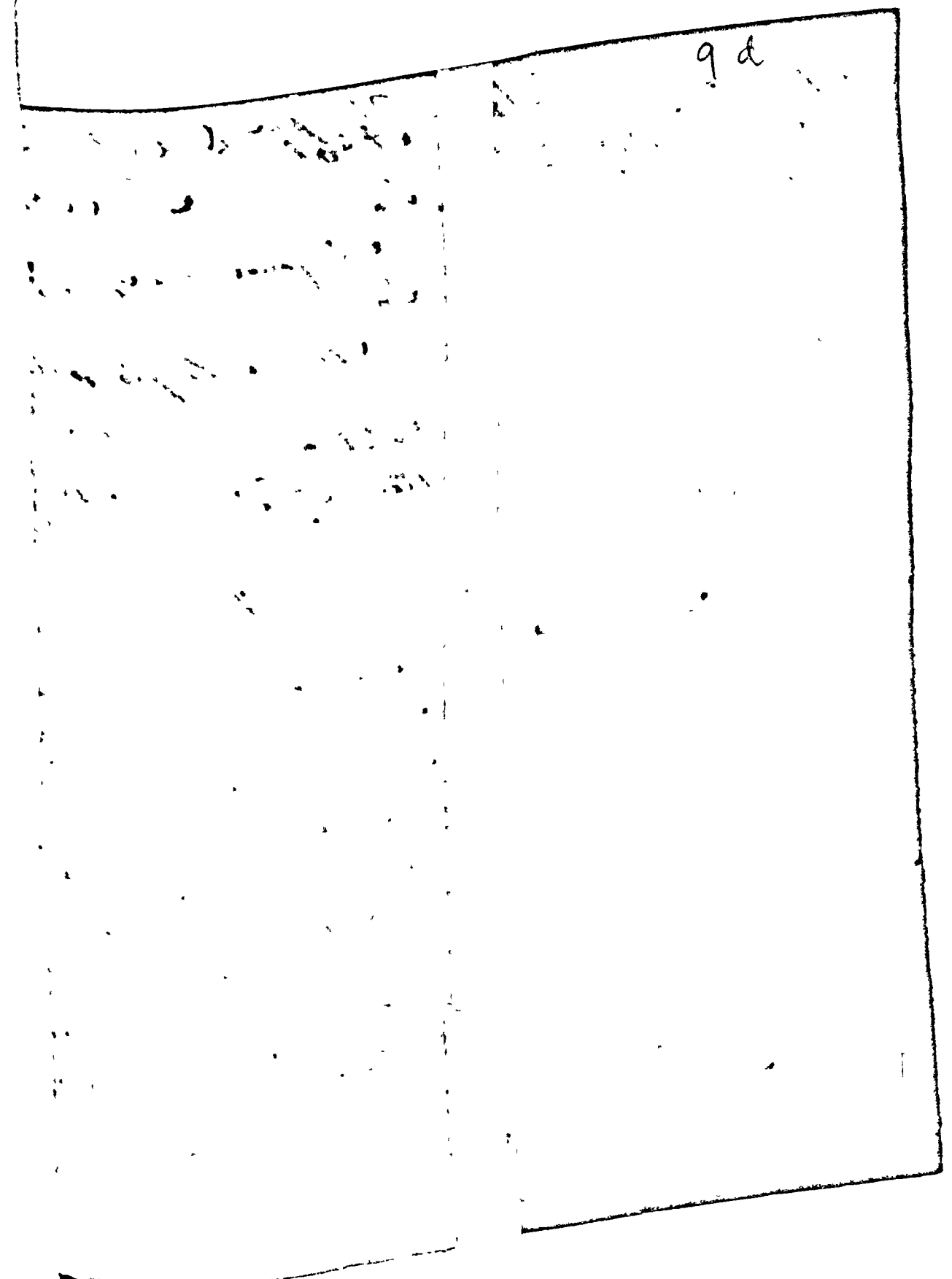
Sir,

Your most obedient servant,

Wm. Mullins Captain R.E.

Engineer for S. & C. Company.

Edw. M. B. B.



Copy via Letter to England
of 22nd October 1867 ch. 48

P. 4. 1867 Department
of Public Works
No. 3301

From
The Commr. Engrs. & Canal
Co.
To
The Secretary to Govt.
P. 11/10.

Dated 28th August 1867
Recd. 30th August 1867

C 2

Submits for the considera-
tion of Govt. a letter No. 181
of the 12th inst. from the Comr.
Engrs. & Canal Co. applying for
a supplemental sanction for
the works of the 9th Section
Main Canal to the extent
of 20 per cent on the original
Earthwork Estimates & 30
per cent on those for masonry
for 2 years

ex. 2786 - 10th Sept 1867

C. 219

ex. 10 Sept 1867 P. 6m

Public Works Dept

278th ex. 2786

Proceedings of the Madras Government
Under date the 10th September 1867
Read the following

From the Commr. Engrs. & Canal
Co. (Here enter No. 1 of 2nd August 1867)

Under the circumstances
brought to notice in these
papers, the Government sanc-
tion the supplemental esti-
mate of Rs. 1,46,267 for
the works of the ninth section
of the Madras Irrigation &
Canal Company's Main Canal.
The total estimates for
that section will now stand
at Rs. 9,60,962, as follows:

Main supply - Rs. 9,45,837
(Distribution - " 15,125)

The Commr. Engrs. & Canal Co. Visits to be made
Managers for do
Sept 11/9/67

Copied in Letter to England
of 22^d Oct. 1867. No. 48.

P. W. 1867. Department.

Proc. of Govt. for September
No. 2786

PROCEEDINGS OF GOVERNMENT

of India

Dated 10th September 1867

Further Pro. No. 121564/57-5-71

Further Pro. No. 1174 of 26-2-71

Sanctioning the
Supplemental Estimate of
Rs. 146,267 for works in the
9th Section of the Main Canal

No. 219-220

115 Sept 1867 A. 6th