

(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.	1382	Press
		Mrs.
280-281		
Dated	13-8-	1864

Not to be folded or roughly handled

112

*Proceedings of the Madras Government, Public Works Department,
13th May 1864.*

No. 280. Read the following Endorsement of the Consulting Engineer, Irrigation and Canal Company, dated Madras, 29th April 1864, No. 192.

Read the following letter from Major-General S. O. E. LUDLOW, Consulting Engineer for Irrigation and Canal Company, to R. L. BRUNTON, Esq., Interim Acting Agent and Manager, Irrigation and Canal Company, dated 29th April 1864, No. 695:—

SIR,

1. As the modifications in the Plan of some of the sanctioned masonry works of the 6th Section, proposed by the Chief Engineer in his No. 1,516, communicated with your letter No. 2,572 of the 12th April 1864, do not alter the general design of the work, and moreover save some expense in construction, I can see no objection to their adoption under the authority conveyed in Rule LXII.

2. Copy of the Chief Engineer's letter and of the Statement which accompanied it will be forwarded for the information of Government.

3. Under this arrangement it being necessary to alter the original estimate of the 6th Section, I beg to forward herewith, a revised abstract of the same, showing the items against which the expenditure should be entered in your Progress Report.

Forwarded to Government for information with the Agent's No. 2,572 of the 12th April 1864, with its enclosure.

(Signed) S. O. E. LUDLOW, Major-General,
Consulting Engineer, Irrigation and Canal Company.

From R. L. BRUNTON, Esq., Interim Acting Agent and Manager, Irrigation and Canal Company, to Major-General S. O. E. LUDLOW, Consulting Engineer for Irrigation and Canal Company, dated Madras, 12th April 1864, No. 2,572.

SIR,

1. I have the honor to forward for submission to Government, copy of a letter from the Chief Engineer, together with the Statement therein referred to, on the subject of the proposed alteration in the works of the 6th Section.

2. The Chief Engineer's letter No. 987 of the 8th December last was forwarded to you with my No. 1,761 of the 18th December 1863.

From Colonel H. C. COTTON, Chief Engineer, Irrigation and Canal Company, to R. L. BRUNTON, Esq., Interim Acting Agent and Manager, Irrigation and Canal Company, dated Kurnool, 31st March 1864, No. 1,516.

SIR,

I have the honor to forward herewith in triplicate for submission to Government, the accompanying Statement of some of the works in the 6th Section already, sanctioned, and those proposed in lieu, showing a saving of Rupees 1,242. Government Order No. 3,101, dated 24th October 1863, sanctions the abandonment of the Calingulah and Ferry at the 79th mile, and Mr. Harry Cotton's letter No. 297 with accompaniment, dated 31st October, forwarded with my letter No. 987 of 8th December last, shows that ferries Nos. 3 and 4 and culvert No. 9 are not required. Mr. Cotton has also recommended that culvert No. 5 be dispensed with, and in lieu to pass the drainage under the upper gate of Lock No. 6, and as the water can be easily led to the Lock, I have approved of this arrangement, and the saving thereby effected is shown in the Statement now forwarded, and which will, I think, obviate the necessity of forwarding the Supplemental Estimate called for in the Consulting Engineer's letter No. 33, dated 6th March 1864.

(True Copy.)

(Signed) R. L. BRUNTON, Interim Acting Manager.
(True Copy.)

(Signed) S. O. E. LUDLOW, Major-General,
Consulting Engineer, Irrigation and Canal Company.

No. 59.
BOWANASSY DIVISION.
6TH SECTION.

Proceedings of the Madras Government, Public Works Department,
13th May 1864.

Already sanctioned by Government. Item.	Quantity.	Amount. RS. A. P.	Proposed Item.	Quantity.	Amount. RS. A. P.	REMARKS.	
						Increase.	Decrease.
Ferries at the 80th, 85th, 87th and 90th miles.	4	2,400 0 0	Three to be done away with, No. 1 at 79th mile, 1 at 87th, and 1 at 90th mile.	3	600 0 0	RS. A. P. ... 1,800 0 0	
Calingulah at 79th mile ...	1	2,280 0 0	To be done away with ...	...	...	...	2,280 0 0
Culvert No. 9. ...	1	1,340 0 0	Do. do. ...	...	...	...	1,340 0 0
Culvert " 5. ...	1	1,340 0 0	Do. do. ...	...	...	...	1,340 0 0
Lock " III, at 79th mile	1	10,941 0 0	Lock No. 3 with 2 Culverts as approved in G. O. 3101 of 24th October 1863.	1	12,400 0 0	1,459 0 0	...
Lock No. V, at 82nd mile	1	20,496 0 0	The same as Lock No. 7...	1	21,529 0 0	1,033 0 0	...
Do. " VI, at 83rd do.	1	10,941 0 0	With bridge under Canal same as Lock No. 7 in lieu of No. 5 Culvert.	1	11,901 0 0	960 0 0	...
Lock No. VII, at do. with bridge under Canal.	1	21,529 0 0	...	1	21,529 0 0	...	...
Do. No. VIII, at 88th mile. ...	1	20,496 0 0	The same as Lock No. 7 and in lieu of No. 3 Ferry at 87th mile and culvert No. 9.	1	21,529 0 0	1,033 0 0	...
Lock No. XI, at 90th mile ...	1	20,496 0 0	The same as Lock No. 7 and in lieu Ferry No. 4 at 90th mile.	1	21,529 0 0	1,033 0 0	...
		1,12,259 0 0			1,11,017 0 0	5,518 0 0	6,760 0 0
		1,11,017 0 0					5,518 0 0
		1,242 0 0					1,242 0 0

KURNGOL,
31st March 1864.

(Signed) H. C. COTTON, Colonel, Chief Engineer.
(True Copy.)
(Signed) S. O. E. LUDLOW, Major-General,
Consulting Engineer, Irrigation and Canal Company.

Proceedings of the Madras Government, Public Works Department,
13th May 1864.

REVISED ABSTRACT ESTIMATE OF THE 6TH SECTION, SOUTH MAIN CANAL.

General.	Particulars.	Quantity or Number.	Amount.		
			RS.	A.	P.
6TH SECTION OF THE SOUTH MAIN CANAL.	Excavation and Embankment ...	...	1,32,146	0	5
	Sluice at 72nd mile...	1	600	0	0
	Single Culvert No. 1 at 74th mile	...	1,310	0	0
	Do. do. " 2 at 75th do.	...	1,310	0	0
	Double do. " 3 at 76th do.	...	2,300	0	0
	Single do. " 4 at 77th do.	...	1,310	0	0
	Double do. " 6 at 84th do.	...	2,300	0	0
	Single do. " 7 at 85th do.	...	1,340	0	0
	Do. do. " 8 at 86th do.	...	1,340	0	0
	Do. do. " 10 at 88th do.	...	1,340	0	0
	Do. do. " 11 at 89th do.	...	5,500	0	0
	Bridge at the 75th mile...	...	2,966	0	0
	Scouring sluice and channel in the 73rd mile.	...	8,830	0	0
	Lock No. 1 at the 73rd mile	...	27,627	0	0
	Do. " 2 at the 79th do.	...	12,400	0	0
	Do. " 3 at the " do.	...	20,496	0	0
	Do. " 4 at the 81st do.	...	21,529	0	0
	Do. " 5 at the 82nd do. with bridge under canal.	...	11,901	0	0
	Do. " 6 at the 83rd mile	...	21,529	0	0
	Do. " 7 at the do. do. with bridge under canal.	...	21,529	0	0
	Do. " 8 at the 88th mile do.	...	20,496	0	0
	Do. " 9 at the do. do.	...	10,941	0	0
	Do. " 10 at the 89th do.	...	21,529	0	0
	Do. " 11 at the 90th do. with bridge under canal.	...	10,941	0	0
	Do. " 12 at the 91st mile	1	600	0	0
	Ferry boat at the 80th mile	...	7,463	15	7
	Special superintendence and sundries Rs. 3,553 15 7	...			
	Kundar Division Office and Store " 3,905 0 0	...			
	Total...	...	3,80,004	0	0
	Add the amount sanctioned for experiment of locks.	...	1,500	0	0
	Do. channel for discharging surplus water below the Mettacondal cut ...	...	2,930	0	0
	Grand Total ...	...	3,84,434	0	0

(True Copy.)
(Signed) S. O. E. LUDLOW, Major-General,
Consulting Engineer Irrigation and Canal Company.

April 1864.

No. 28.

ORDER THEREON, 13th May 1864, No. 1,382.

Ordered to be recorded.

(True Extract.)

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

Exd. S. T. Augustin.

N^o 695

Consulting Engineer's Office,
Irrigation & Canal Company,
29 April 1864.

To, Major Genl. S. C. C. Sudlow,
Consulting Engineer for I. & C. Company.

The Interim Agent & Manager,
Irrigation & Canal Company.

Sir,

1. As the modifications in the plan of some of the sanctioned masonry works of the 6th section, proposed by the Chief Engineer in his N^o 1516, comm. - muncated with your letter N^o 2572, of the 12 April 1864, do not alter the general design of the work, and moreover save some expence in construction, I can see no objection to their adoption under the authority conveyed in Rule LXXI. -

2. Copy of the Chief Engineer's letter and of the statement which accompanied it will be forwarded for the information of Government.

3. Under this arrangement it being necessary to alter the original estimate of the 6th section, I beg to forward herewith, a revised abstract of the same, shewing the items against which the expenditure should be entered in your Progress Report.

I have the honor to be, Sir,
Yours faithfully,
S. C. C. Sudlow, Major Genl.,
Consulting Engineer for I. & C. Company.

N^o 192

Forwarded to Government for information, with

the Agent's N^o 2572, of the 12 April 1864, with its enclo - sure.

Madras

Madras Irrigation & Co. Company,
Madras, 12 April 1864.

N^o 2572

To,
The Interim Mgr. Managers, I. & C. Co.,
The Consulting Engineer, I. & C. Co.,
Sir,

I have the honor to forward for submission to Government copy of a letter from the Chief Engineer, No. N^o 1516 of 31 March 1864, together with the statement therein referred to, on the subject of the proposed alteration in the works of the 6th section.

The Chief Engineer's letter N^o 907, of the 5th December last, was forwarded to you with my N^o 1761, of the 10th December 1863.

I have the honor to be,
Signed of R. S. Brundton
Interim Acting Manager

Madras Irrigation & Co. Company,
Chief Engineer's Office,
Madras, 31 March 1864.

R. S. Brundton, Esq.,
Interim Acting Agent
Madras.

I have the honor to forward herewith in triplicate for submission to Government, the accompanying statement of some of the works in the 6th section, already sanctioned, and those proposed in view, showing a saving.

N^o 297
N^o 937

N^o 30

saving of Rs. 1242, General Order N^o 3104, dated 26th October 1863, contains the abandonment of the fallings at the 79th mile, and Mr. Harry Cotton's letter, with accompanying report dated 31st October, forwarded with my letter of 5th December last, shows that further N^o 3 and 4 and Subvert N^o 9 are not required. - Mr. Cotton has also recommended that Subvert N^o 5 be discontinued, and in view to pass the drainage under the upper gate of Subvert N^o 6, and as the water can be raised to the level, I have approved of this arrangement, and the saving thereby effected, is shown in the statement now forwarded, and which will I think obviate the necessity of forwarding the supplemental Estimate called for in the Consulting Engineer's letter dated 6 March 1864.

I have the honor to be,
Signed of H. C. Cotton,
Chief Engineer.

Signed of R. S. Brundton,
Interim Acting Manager

Signed of R. S. Brundton,
Major Genl.,
Consulting Engineer for I. & C. Company.

N^o 59

Revised Abstract Estimate of the 6th Section South Main Canal.

General.	Particulars.	Quantity in cords.	Amount.	Remarks.
	Excavation of Embankment	139146	5	
	Sluice at 72 nd mile	1	600	
	Single culvert at 72 nd mile	1	1340	
	do 2 at 79 th	2	1340	
	Double do 3 at 76 th	3	2300	
	Single do 4 at 77 th	4	1340	
	Double do 6 at 84 th	6	2300	
	Single do 7 at 85 th	7	1340	
	do 8 at 86 th	8	1340	
	do 10 at 88 th	10	1340	
	do 11 at 89 th	11	1340	
	Bridge at the 75 th mile	1	5500	
	Clearing sluice & channel in the 73 rd mile	1	2966	
	Lock No. 1 at the 75 th mile	1	8080	
	do 2 at the 79 th	2	27627	
	do 3	3	12400	
	do 4	4	20496	
	do 5 82 nd with bridge under go	5	21529	
	do 6 83 rd	6	11901	
	do 7 84 th with bridge under canal	7	21529	
	do 8 85 th	8	21529	
	do 9	9	20496	
	do 10 89 th	10	10941	
	do 11 90 th with bridge under go	11	21529	
	do 12 91 st	12	10941	
	Terry boat at the 80 th mile	1	600	
	Special superintendent's residence 3558 75 th	1	7463 15 7	
	Headar Division 17 th mile 3905	1		
	Total Paper		500004	
	For the amount expended for experiments		1500	
	do channel for discharging surplus		2930	
	water below the McPherson cut			
	Grand Total Paper		504434	

Done Apr. 1/1904
 Engineer's Office
 Irrigation Co. Company
 April 1904
 J. L. Weston Major General
 Engineer for I. C. Company

No. 39
 Necessary Division
 6th Section.

Heavy and light by Government	Quantity	Amount	Remarks
Removal of the 80 th or 81 st mile	4	2400	See above for 80 th mile
Removal of 82 nd mile	1	2280	See above for 82 nd mile
Removal of 83 rd mile	1	1340	See above for 83 rd mile
Removal of 84 th mile	1	1340	See above for 84 th mile
Removal of 85 th mile	1	10941	See above for 85 th mile
Removal of 86 th mile	1	20496	See above for 86 th mile
Removal of 87 th mile	1	10941	See above for 87 th mile
Removal of 88 th mile	1	21529	See above for 88 th mile
Removal of 89 th mile	1	20496	See above for 89 th mile
Removal of 90 th mile	1	10941	See above for 90 th mile
Removal of 91 st mile	1	10941	See above for 91 st mile
Removal of 92 nd mile	1	10941	See above for 92 nd mile
Removal of 93 rd mile	1	10941	See above for 93 rd mile
Removal of 94 th mile	1	10941	See above for 94 th mile
Removal of 95 th mile	1	10941	See above for 95 th mile
Removal of 96 th mile	1	10941	See above for 96 th mile
Removal of 97 th mile	1	10941	See above for 97 th mile
Removal of 98 th mile	1	10941	See above for 98 th mile
Removal of 99 th mile	1	10941	See above for 99 th mile
Removal of 100 th mile	1	10941	See above for 100 th mile
Removal of 101 st mile	1	10941	See above for 101 st mile
Removal of 102 nd mile	1	10941	See above for 102 nd mile
Removal of 103 rd mile	1	10941	See above for 103 rd mile
Removal of 104 th mile	1	10941	See above for 104 th mile
Removal of 105 th mile	1	10941	See above for 105 th mile
Removal of 106 th mile	1	10941	See above for 106 th mile
Removal of 107 th mile	1	10941	See above for 107 th mile
Removal of 108 th mile	1	10941	See above for 108 th mile
Removal of 109 th mile	1	10941	See above for 109 th mile
Removal of 110 th mile	1	10941	See above for 110 th mile
Removal of 111 th mile	1	10941	See above for 111 th mile
Removal of 112 th mile	1	10941	See above for 112 th mile
Removal of 113 th mile	1	10941	See above for 113 th mile
Removal of 114 th mile	1	10941	See above for 114 th mile
Removal of 115 th mile	1	10941	See above for 115 th mile
Removal of 116 th mile	1	10941	See above for 116 th mile
Removal of 117 th mile	1	10941	See above for 117 th mile
Removal of 118 th mile	1	10941	See above for 118 th mile
Removal of 119 th mile	1	10941	See above for 119 th mile
Removal of 120 th mile	1	10941	See above for 120 th mile
Removal of 121 st mile	1	10941	See above for 121 st mile
Removal of 122 nd mile	1	10941	See above for 122 nd mile
Removal of 123 rd mile	1	10941	See above for 123 rd mile
Removal of 124 th mile	1	10941	See above for 124 th mile
Removal of 125 th mile	1	10941	See above for 125 th mile
Removal of 126 th mile	1	10941	See above for 126 th mile
Removal of 127 th mile	1	10941	See above for 127 th mile
Removal of 128 th mile	1	10941	See above for 128 th mile
Removal of 129 th mile	1	10941	See above for 129 th mile
Removal of 130 th mile	1	10941	See above for 130 th mile
Removal of 131 st mile	1	10941	See above for 131 st mile
Removal of 132 nd mile	1	10941	See above for 132 nd mile
Removal of 133 rd mile	1	10941	See above for 133 rd mile
Removal of 134 th mile	1	10941	See above for 134 th mile
Removal of 135 th mile	1	10941	See above for 135 th mile
Removal of 136 th mile	1	10941	See above for 136 th mile
Removal of 137 th mile	1	10941	See above for 137 th mile
Removal of 138 th mile	1	10941	See above for 138 th mile
Removal of 139 th mile	1	10941	See above for 139 th mile
Removal of 140 th mile	1	10941	See above for 140 th mile
Removal of 141 st mile	1	10941	See above for 141 st mile
Removal of 142 nd mile	1	10941	See above for 142 nd mile
Removal of 143 rd mile	1	10941	See above for 143 rd mile
Removal of 144 th mile	1	10941	See above for 144 th mile
Removal of 145 th mile	1	10941	See above for 145 th mile
Removal of 146 th mile	1	10941	See above for 146 th mile
Removal of 147 th mile	1	10941	See above for 147 th mile
Removal of 148 th mile	1	10941	See above for 148 th mile
Removal of 149 th mile	1	10941	See above for 149 th mile
Removal of 150 th mile	1	10941	See above for 150 th mile
Removal of 151 st mile	1	10941	See above for 151 st mile
Removal of 152 nd mile	1	10941	See above for 152 nd mile
Removal of 153 rd mile	1	10941	See above for 153 rd mile
Removal of 154 th mile	1	10941	See above for 154 th mile
Removal of 155 th mile	1	10941	See above for 155 th mile
Removal of 156 th mile	1	10941	See above for 156 th mile
Removal of 157 th mile	1	10941	See above for 157 th mile
Removal of 158 th mile	1	10941	See above for 158 th mile
Removal of 159 th mile	1	10941	See above for 159 th mile
Removal of 160 th mile	1	10941	See above for 160 th mile
Removal of 161 st mile	1	10941	See above for 161 st mile
Removal of 162 nd mile	1	10941	See above for 162 nd mile
Removal of 163 rd mile	1	10941	See above for 163 rd mile
Removal of 164 th mile	1	10941	See above for 164 th mile
Removal of 165 th mile	1	10941	See above for 165 th mile
Removal of 166 th mile	1	10941	See above for 166 th mile
Removal of 167 th mile	1	10941	See above for 167 th mile
Removal of 168 th mile	1	10941	See above for 168 th mile
Removal of 169 th mile	1	10941	See above for 169 th mile
Removal of 170 th mile	1	10941	See above for 170 th mile
Removal of 171 st mile	1	10941	See above for 171 st mile
Removal of 172 nd mile	1	10941	See above for 172 nd mile
Removal of 173 rd mile	1	10941	See above for 173 rd mile
Removal of 174 th mile	1	10941	See above for 174 th mile
Removal of 175 th mile	1	10941	See above for 175 th mile
Removal of 176 th mile	1	10941	See above for 176 th mile
Removal of 177 th mile	1	10941	See above for 177 th mile
Removal of 178 th mile	1	10941	See above for 178 th mile
Removal of 179 th mile	1	10941	See above for 179 th mile
Removal of 180 th mile	1	10941	See above for 180 th mile
Removal of 181 st mile	1	10941	See above for 181 st mile
Removal of 182 nd mile	1	10941	See above for 182 nd mile
Removal of 183 rd mile	1	10941	See above for 183 rd mile
Removal of 184 th mile	1	10941	See above for 184 th mile
Removal of 185 th mile	1	10941	See above for 185 th mile
Removal of 186 th mile	1	10941	See above for 186 th mile
Removal of 187 th mile	1	10941	See above for 187 th mile
Removal of 188 th mile	1	10941	See above for 188 th mile
Removal of 189 th mile	1	10941	See above for 189 th mile
Removal of 190 th mile	1	10941	See above for 190 th mile
Removal of 191 st mile	1	10941	See above for 191 st mile
Removal of 192 nd mile	1	10941	See above for 192 nd mile
Removal of 193 rd mile	1	10941	See above for 193 rd mile
Removal of 194 th mile	1	10941	See above for 194 th mile
Removal of 195 th mile	1	10941	See above for 195 th mile
Removal of 196 th mile	1	10941	See above for 196 th mile
Removal of 197 th mile	1	10941	See above for 197 th mile
Removal of 198 th mile	1	10941	See above for 198 th mile
Removal of 199 th mile	1	10941	See above for 199 th mile
Removal of 200 th mile	1	10941	See above for 200 th mile

Done Apr. 1/1904
 Engineer's Office
 Irrigation Co. Company
 April 1904
 J. L. Weston Major General
 Engineer for I. C. Company

477 1884-2903

18192
Geo. A. Jewell for May
18192
from 18192

The Counciling Day
18192

To
The day: do Governor
18192

Chapman

Chapman 18192
18192

18192-18192 May 18192

Some of the information
of the copy of the 18192
of the 18192 and 18192
it, regarding the 18192
the 18192 of the 18192
18192
18192
18192
18192

18192

Chapman
18192

18192-18192

18192-18192