

(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.	3280	Press
		Mis.
470 & 471		
Dated	23-10-	1867.

Not to be folded or roughly handled

13/

No. 470. Read the following letter from the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 30th September 1867, No. 87 :—

1. I have the honor to forward a statement which has been prepared so as to show, as clearly as appeared practicable in a concise form, the information regarding the estimated cost of the Madras Irrigation and Canal Company's works from the Soonkasala anicut to Cuddapah, called for in your Memorandum No. 202 of the 25th instant.

2. I also send a statement of particulars of all sanctions for each individual work or section, for which separate sanctions have been given and recorded.

*Proceedings of the Madras Government, Public Works Department,
23rd October 1867.*

Statement showing the original estimates for the Madras Irrigation and Canal Company's Canal total sanction and the expenditure

Works and Sections.	ORIGINAL ESTIMATES.		SUBSEQUENT			
	Date.	Amount.	1861.	1862.	1863.	1864.
1	2	3	4	5	6	
Kurnool Anicut	17th April 1860, No. 792.	RS 3,03,080	RS. ...	RS. ...	RS. ...	RS. ...
Main Canal from do., 1 mile.	30th July 1860, No. 1,621.	65,000	...	...	...	...
Soonkasala Anicut	11th Oct. 1861, No. 1,893.	1,25,000	...	...	...	...
	23rd Nov. 1861, No. 2,166.					
Main Canal, 1st Section ...	31st May 1861, No. 1,016.	4,60,000	...	...	...	3,96,777
Aqueduct across the Hindry river.	21st Feb. 1862, No. 279.	1,45,000	...	...	...	73,752½
Main Canal, 2nd Section ...	24th Dec. 1861, No. 2,369.	5,34,000	...	...	...	17,970
Do. 3rd do.	Do. do.	1,88,500	...	...	...	60,590
Do. 4th do.	11th April 1862, No. 736.	2,78,310	...	11,300	...	2,11,775
Do. 5th do.	Do. do.	2,38,380	...	9,360	2,691	1,76,752
Do. 6th do.	3rd July 1862, No. 1,555.	3,00,758	...	2,930	80,746	...
Do. 7th do.	17th Jan. 1863, No. 134.	1,34,210	...	...	1,01,640	...
Do. 8th do.	15th May 1863, No. 1,232.	4,37,410	...	...	...	...
Do. 9th do.	14th March 1867, No. 784.	8,02,811	...	...	...	...
Do. 10th do.	...	4,81,800	...	...	...	...
Distribution	...	44,94,259	...	23,500	1,85,077	9,37,616½
Telegraph	23rd Oct. 1865, No. 3,167.	52,724	...	...	...	...
Buildings	...	44,116	...	...	...	...
	...	95,402	...	1,310	810	2,807
Total ... ..	.....	46,86,501	...	24,900	1,85,887	9,40,423½

N. B.—The following is the nearest approximate estimate which can at present be framed of the probable total cost of the

Amount of estimates as per Column 10	RS.
Deduct unexpended balance on Kurnool Anicut	89,65,204
Do. do Canal	2,47,753
	15,715
Further sanction required for Main Canal, 3rd Section, about	87,06,736
Do. do. do. 6th do.	2,50,000
Do. do. do. 7th do.	3,00,000
Do. do. do. 8th do.	2,50,000
Do. do. do. 9th do.	1,00,000
Do. do. do. 10th do.	1,00,000
Do. do. do. Buildings	1,50,000
Do. do. do. Distribution	20,000
Do. other works and Sections	9,00,000
	2,50,000
Establishment and other charges at 45 per cent.	1,10,26,736
	49,63,264
Total ...	159,90,000

MADRAS,
30th September 1867.

*Proceedings of the Madras Government, Public Works Department,
23rd October 1867.*

from Soonkasala to Cuddapah, also the amounts sanctioned in each year subsequently, the present up to the 30th June 1867.

SANCTIONS.			Estimates sanctioned, total.	Expenditure on works up to 30th June 1866.	Total expenditure up to 30th June 1867, inclusive of Establishments, &c., but exclusive of the value of stores and cash in hand.	Remarks.
1865.	1866.	1867.				
7	8	9	10	11	12	
RS.	RS.	RS.	RS.	RS.	RS.	
...	...	...	3,03,080	60,327	...	Abandoned, and Soonkasala selected for a new Anicut.
...	...	...	65,000	49,285	...	Do. do do.
2,85,292	16,260	500	4,27,052	4,09,251	...	
...	...	25,150	8,81,927	8,84,027	...	
27,277	...	...	2,46,029½	2,67,805	...	
8,24,445	4,709	8,550	13,89,674	15,25,477	...	
3,35,150	...	11,050	5,95,290	6,79,808	...	
4,77,313	...	76,823	10,55,521	7,45,932	...	
...	1,62,329	1,14,100	7,03,612	5,69,707	...	
...	57,510	...	4,41,944	3,17,991	...	
...	...	2,36,870	4,72,720	2,13,120	...	
1,21,200	1,78,220	...	7,36,830	2,65,747	...	
...	...	1,43,026	9,45,837	915	...	
...	...	...	4,81,800	...	...	Estimate submitted, but not sanctioned. No other information is available as to the probable cost of this part of the line Vide G O No. 889, dated 31st March 1864
20,70,677	1,19,028	6,16,069	87,46,316½	59,89,392	...	
...	5,146	3,317	61,187	21,334	...	
...	...	...	44,116	...	...	
1,618	8,978	2,630	1,13,585	85,015	...	
20,72,325	4,33,152	6,22,016	89,65,204½	60,95,741	87,55,556	This shows that the expenditure other than that directly chargeable to the works is about 43½ per cent. of this latter.

works from Soonkasala to Cuddapah

For all descriptions of work
 „ 14 miles earthwork and all masonry works.
 „ Masonry works.
 „ do.
 „ Locks.
 Simply a guess, about 30 per cent. increase on former estimate, which is the increase given on Section 9 framed by same officer.
 A guess
 About 5 Rupees an acre, less sanction already given
 The Soonkasala Anicut, the 1st and 2nd Sections may require further sanction, and the Hindry aqueduct.

(Signed) J. MULLINS, Captain, R. E.,
Consulting Engineer for I. & C. Company.

Proceedings of the Madras Government, Public Works Department.
23rd October 1867.

ABSTRACT.

Description of the Work.	Amount sanctioned.			
	RS.	A.	P.	
Kurnool anicut	3,03,080	0	0	
Main Canal from do., 1 mile	65,000	0	0	
Soonkasala Anicut	4,27,052	0	0	
Main Canal, 1st Section	8,81,927	0	0	
Aqueduct across the Hindry river	2,46,029	8	0	
Main Canal, 2nd Section	13,89,674	0	0	
Do. 3rd do.	5,95,290	0	0	
Do. 4th do.	10,55,521	0	0	
Do. 5th do.	7,03,612	0	0	
Do. 6th do.	4,41,944	0	0	
Do. 7th do.	4,72,720	0	0	
Do. 8th do.	7,36,830	0	0	
Do. 9th do.	9,45,837	0	0	
Total	82,64,516	8	0	

Proceedings of the Madras Government, Public Works Department.
23rd October 1867.

Particulars of Sanctions for the Head-works, and 1st to 9th Sections of the Madras Irrigation and Canal Company's Main Canal, from Soonkasala to Cuddapah.

Description of the Work.	Date of Sanction.	Amount.	Remarks.
<i>Kurnool Anicut.</i>		RS. A. P.	
Anicut and head-works at Kurnool.	17th April 1860, No. 792.	3,03,080 0 0	
<i>Main Canal from Kurnool Anicut, 1 mile.</i>			
Canal, 1 mile	30th July 1860, No. 1,621.	65,000 0 0	
<i>Soonkasala Anicut.</i>			
Anicut and head-works at Soonkasala.	11th October 1861, No. 1,893. 23rd Nov. 1861, No. 2,166.	1,25,000 0 0	
Supplemental sanction for completing do.	21st Feb. 1865, No. 507.	1,86,650 0 0	
Repairs to do. do.	12th May 1865, No. 1,289.	37,180 0 0	
Embankment at the north end, north branch of the anicut.	Do. ...	818 0 0	
Cutting a supply channel to Rajoly on the north bank of the Toombuddra a little below the anicut.	Do. ...	144 0 0	
Construction of a wall to protect the unfinished work at the breach in the Soonkasala anicut.	23rd June 1865, No. 1,748.	3,200 0 0	
For coping the crest of the anicut	21st October 1865, No. 3,157.	59,300 0 0	
Supplemental sanction for completing the repair of the breach.	2nd June 1866, No. 1,741.	1,360 0 0	
Reconstruction of the Soonkasala anicut.	12th October 1866, No. 3,253.	5,900 0 0	
Constructing a ring-bund above the breach at do.	13th Nov. 1866, No. 3,592.	9,000 0 0	
For examination and repair of Soonkasala anicut.	18th Feb. 1867, No. 458.	500 0 0	
Total...	.....	4,27,052 0 0	
<i>Main Canal, 1st Section.</i>			
Canal and masonry works	31st May 1861, No. 1,016.	4,60,000 0 0	
Supplemental sanction for do. do.	15th April 1864, No. 1,074.	3,96,777 0 0	
For five bridges	23rd March 1867, No. 917.	25,150 0 0	
Total	.....	8,81,927 0 0	
<i>Aqueduct across the Hindry River.</i>			
Aqueduct across Hindry	21st Feb. 1862, No. 279.	1,45,000 0 0	
Supplemental sanction including cost of iron railings	31st March 1864, No. 882.	73,752 8 0	
Second supplemental sanction	12th July 1865, No. 1,970.	27,277 0 0	
Total...	.....	2,46,029 8 0	

*Proceedings of the Madras Government, Public Works Department,
23rd October 1867.*

Description of the Work.	Date of Sanction.	Amount.	Remarks.
<i>Main Canal, 2nd Section.</i>			
Canal and masonry works ...	24th Dec. 1861, No. 2,369.	RS. A. P. 5,34,000 0 0	
Additional sanction for aqueduct at Kadrabagh.	6th May 1864, No. 1,301.	17,970 0 0	
Covering with earth the sandy bed of the main canal below the Hindry aqueduct	26th January 1865, No. 246.	3,700 0 0	
Completing the work of the main canal.	4th Feb. 1865, No. 321.	7,56,740 0 0	
Supplemental sanction for covering with earth the sandy bed of the main canal, &c.	6th March 1865, No. 616.	3,476 0 0	
Supplemental sanction for Kadrabagh aqueduct	19th April 1865, No. 1,023.	16,591 0 0	
Supplemental sanction for 20th mile	25th August 1865, No. 2,477.	43,938 0 0	
Repairing the breaches at the 25th and 27th miles	3rd October 1866, No. 3,145.	4,709 0 0	
Bridge at Poodoor ...	8th April 1867, No. 1,078.	8,550 0 0	
Total...	.....	13,89,674 0 0	
<i>Main Canal, 3rd Section.</i>			
Canal and masonry works ...	24th Dec. 1861, No. 2,369.	1,88,500 0 0	
Additional sanction for Ulloor aqueduct.	19th August 1864, No. 2,382.	22,010 0 0	
Line of canal round the Ulloor tank.	Do	38,580 0 0	
Completing the earth and masonry works.	17th March 1865, No. 739.	3,35,150 0 0	
Bridge near Malayala ...	8th April 1867, No. 1,078.	5,050 0 0	
Completing the excavations of the stream passing under Ulloor aqueduct.	23rd August 1867, No. 2,586.	6,000 0 0	
Total ..	.....	5,95,290 0 0	
<i>Main Canal, 4th Section.</i>			
Canal and masonry works ...	11th April 1862, No. 736.	2,78,310 0 0	
Increase of head-way of bridge ...	24th May 1862, No. 1,145.	500 0 0	
Improving the means of communication.	2nd Dec. 1862, No. 2,869.	10,800 0 0	
Raising the bank of canal ...	19th August 1864, No. 2,382.	29,027 0 0	
Completion of earth-work ...	14th Sept. 1864, No. 2,670.	65,900 0 0	
Revetting the single banks of main canal.	2nd October 1864, No. 2,871.	92,545 0 0	
Additional sanction for masonry works	14th Dec. 1864, No. 3,576.	24,303 0 0	
Aprons to calingulahs ...	16th Feb. 1865, No. 461.	24,393 0 0	
Supplemental sanction for earth-work and revetment.	4th Dec. 1865, No. 3,676.	4,52,913 0 0	After deducting re-trenchment Rupees 1,21,872.

*Proceedings of the Madras Government, Public Works Department,
23rd October 1867.*

Description of the Work.	Date of Sanction.	Amount.	Remarks.
<i>Main Canal, 4th Section.— Conld.)</i>			
Third class bridge on 57th mile ...	30th April 1867, No. 1,278.	RS. A. P. 4,200 0 0	
Supplemental estimate for masonry works.	18th June 1867, No. 1,826.	72,623 0 0	
Total...	.....	10,55,521 0 0	
<i>Main Canal, 5th Section.</i>			
Canal and masonry works ...	11th April 1862, No. 736.	2,38,380 0 0	
Improving the means of communication.	2nd Dec 1862, No. 2,869.	9,360 0 0	
One scouring sluice at 69th mile ...	3rd October 1863, No. 2,880.	2,691 0 0	
Escape channel for culverts Nos. 5 and 6, 66th and 67th miles.	20th January 1864, No. 217.	654 0 0	
Teroogopully aqueduct Rs. 36,241.	19th Aug 1864, No. 2,382.	36,910 0 0	
Supplemental Estimate „ 666.	Do	22,538 0 0	
Raising the bank of canal ...	22nd Nov. 1864, No. 3,357.	1,16,650 0 0	
Completion of earth-work ...	27th March 1866, No. 1,006.	1,62,329 0 0	
Supplemental sanction for earth-work and revetment.	19th Sept. 1867, No. 2,903.	1,14,100 0 0	
Revised estimate for masonry works	.....	7,03,612 0 0	
<i>Main Canal, 6th Section</i>			
Canal and masonry works ...	3rd July 1862, No. 1,555.	3,00,758 0 0	After deducting Rs. 1,242 for masonry works.
Supplemental sanction for locks ...	9th April 1862, No. 849.	76,280 0 0	
One scouring sluice, 73rd mile ...	3rd October 1863, No. 2,880.	2,966 0 0	
For an outlet for discharging the surplus water below the Metta-kundal cut.	3rd July 1862, No. 1,555.	2,930 0 0	
Experiment of locks ...	9th April 1863, No. 849.	1,500 0 0	
Revised estimate for the upper six miles.	14th Nov. 1866, No. 3,624.	57,510 0 0	
Total ..	.....	4,41,944 0 0	
<i>Main Canal, 7th Section.</i>			
Canal and masonry works ...	17th January 1863, No. 134.	1,34,210 0 0	
Supplemental sanction for locks ...	9th April 1863, No. 849.	5,300 0 0	
Extension for earth-work and masonry.	15th May 1863, No. 1,232.	96,340 0 0	
Supplemental sanction for earth-work, &c	2nd July 1867, No. 1,954	2,86,870 0 0	
Total ..	.....	4,72,720 0 0	

*Proceedings of the Madras Government, Public Works Department,
23rd October 1867.*

Description of the Work.	Date of Sanction.	Amount.	Remarks.
<i>Main Canal, 8th Section.</i>			
Canal and masonry works	15th May 1863, No. 1,232.	RS. A. P. 4,37,410 0 0	
Supplemental sanction for complet- ing the canal from 115th to 143 $\frac{1}{2}$ th miles.	22nd Feb. 1865, No. 514.	1,21,200 0 0	
Revised estimate for the completion of earth-work.	19th Feb. 1866, No. 590.	1,78,220 0 0	
Total...	.....	7,36,830 0 0	
<i>Main Canal, 9th Section.</i>			
Main supply works	14th March 1867, No. 784.	7,93,901 0 0	
Off-take channel from the Rajoly anicut.	Do. ...	8,910 0 0	
Supplemental sanction for earth and masonry works.	10th Sept. 1867, No. 2,786.	1,43,026 9 0	
Total...	.....	9,45,837 0 0	

MADRAS,
1st October 1867.

(Signed) J. MULLINS, Captain, R. E.,
Consulting Engineer for I. & C. Company.

No. 471.

ORDER THEREON, 23rd October 1867, No. 3,230.

IRRIGATION, No. 20.

Ordered to be recorded.

(True Extract.)

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

*Particulars of Sanctions for all the
And 1st to 9th Sections
works of the Madras Irrigation and
Canal Company's Main Canal
from Sookavala to Guddapah.*

Abstract

No.	Description of the work	Page	Amount sanctioned
	Kurnool Anicut	1	303080 ..
	Main Canal from do - 1 mile	2	65000 ..
	Soot Kasala Anicut	3	427052 ..
	Main Canal - 1 st Section	4	831927 ..
	Aqueduct across the Hindry river	5	246029 ..
	Main Canal - 2 nd Section	6	1389674 ..
	Do - 3 rd do	7	595290 ..
	Do - 4 th do	8	1055521 ..
	Do - 5 th do	9	703612 ..
	Do - 6 th do	10	441944 ..
	Do - 7 th do	11	472720 ..
	Do - 8 th do	12	736830 ..
	Do - 9 th do	13	945837 ..
			<u>82645168 ..</u>

Kurnool Anicut

Description of the work	Date of sanction	Amount
Anicut and head works at Kurnool	5 th April 1860	792303080 ..

66

Main Canal from Kurnool Anicut - 1 mile.

Description of the work.	Date of sanction	Amount.
Canal 1 Mile	30 th July 1860 1622	65,000

Soonkasala Anicut

Description of the work.	Date of sanction	Amount.
Anicut & head works at Soonkasala	27 th October 1893	125,000
Suppl. sanction for completing	23 rd Nov 1861	21,665
Repairs to - do - do	27 th February 1865	507,184,650
Embankment at the North end.	12 May 1865	1289 37180
North branch of the Anicut	Do - Do	818
Putting a supply channel to Rajah on the North bank of the Soonbuddra a little below the Anicut	Do - Do	144
Construction of a wall to protect the unfinished work at the breach in the Soonkasala Anicut	23 June 1865	1748 3200
For coping the crest of the Anicut	27 th Oct 1865	3157 59,300
Suppl. sanction for completing the repair of the breach	2 June 1866	1741 1360
Reconstruction of the Soonkasala Anicut	12 Oct 1866	3253 5900
Constructing a Ring bund above the breach at	13 Nov 1866	3592 9,000
For examination and repair of Soonkasala Anicut	18 Feb 1867	458 500
		<u>427,052</u>

Main Canal - 1st Section

Description of the work.	Date of sanction	Amount
Canals & Masonry works	31 May/61	4,60,000
Suppl ^y sanction for do do	15 April 1884	10,74,396.77
For 5 Bridges	23 March 1867	25,150
		<u>881,927</u>

Aqueduct across the Hindry river

Description of the work.	Date of sanction	Amount
Aqueduct across Hindry	21 Feb/62	14,50,000
Suppl ^y sanction including	31 March 1884	73,752.8
Cost of iron railings		
2 nd Suppl ^y Sanction	12 July/65	27,277
		<u>24,60,298</u>

6. Main Canal - 2nd Section

Description of the work	Date of sanction	Amount.
Canal and Masonry works	24 Dec/64 2369	534,000 ..
Additional sanction Aqueduct at Hadrabagh	5 May/64 1207	17,970 ..
Covering with Earth the sandy bed of the Main Canal below the Hundry Aqueduct	26 June/65 246	3,700 ..
Completing the work of the Main Canal	17 Feb/65 221	7,56,740 ..
Suppl. sanction for covering with Earth the sandy bed of the Main Canal	6 March/65 616	3,476 ..
Suppl. sanction for Hadrabagh Aqueduct	7 April/65 1025	16,591 ..
Suppl. sanction for 20 Mile	25 Aug/65 2477	43,938 ..
Repairing the breaches at the 25 and 27 Miles	3 Oct/66 3145	4,709 ..
Bridge at Poodoor	8 April/67 1078	8,550 ..
		<u>13,89,674 ..</u>

7. Main Canal - 3rd Section

Description of the work	Date of sanction	Amount.
Canal and Masonry works	24 Dec/64 2369	188,500 ..
Additional sanction for Ulloor Aqueduct	19 Aug/64 2382	22,010 ..
Line of Canal round the Ulloor Tank	28 - 28	38,580 ..
Completing the Earth and Masonry works	17 March/65 739	3,35,150 ..
Bridge near Malayala	3 April/67 1078	5,050 ..
Completing the excavations of the stream passing under Ulloor Aqueduct	23 August 1867 2586	6,000 ..
		<u>595,290 ..</u>

Main Canal - 4th Section

Description of the works	Date of sanction	Amount
Canal and Masonry works	11 April/62	278,310
Increase of headway of Bridge	24 May/62	500
Improving the means of Communication	2 Dec/62	10,800
Raising the bank of Canal	19 Aug/64	29,027
Completion of Earthwork	11 Sept/64	65,900
Revetting the single banks of Main Canal	2 Oct/64	92,545
Additional sanction for Masonry works	14 Dec/64	35,624,303
Aprons to Salungulake	16 Feb/65	461,74,395
Suppl ^y sanction for Earthwork and Revetment	4 Dec/65	66,64,52,918
3 rd Class Bridge on 5 th Mile	30 April/67	4,200
Suppl ^y Estimate for Masonry works	18 June/67	1826,72,623
		<u>1053521</u>

after @ p. int. sub.
ment 124,872.

Main Canal - 5th Section

Description of the works	Date of sanction	Amount
Canal and Masonry works	11 April/62	278,380
Improving the means of Communication	2 Dec/62	9260
1 st Scouring sluice at 6 th Mile	3 Oct/63	2,691
Escape Channel for Culvert	20 January/64	654
8 th sub. 66 th 67 th Miles		
Longgopully Aqueduct	36 Feb/64	36,910
Suppl ^y Estimate	6 Feb/64	
Raising the bank of Canal	19 Aug/64	22,538
Completion of Earthwork	22 Nov/64	116,650
Suppl ^y sanction for Earthwork and revetment	27 March/66	16,23,29
Revised Estimate for Masonry works	19 Sept/67	293,114,100
		<u>708,612</u>

Main Canal - 6th Section

Description of the work	Date of sanction	Amount.
Canal and Masonry works	3 July/1855	300,758 ..
Suppl. sanction for Locks	9 April/62	849 76,280 ..
Scouring sluice 7 1/2 mile	3 Oct/63	2880 2966 ..
For an outlet for discharging the surplus water below the Mettakundab Cut	3 July/62	1855 2930 ..
Experiment of Locks	9 April/63	849 1,500 ..
Revised Estimate for the Upper six miles	14 Nov/66	57,510 ..

 441,944

Main Canal - 7th Section

Description of the work	Date of sanction	Amount
Canal and Masonry works	17 Jan/63	134,134,210 ..
Suppl. sanction for Locks	9 April/63	849 5,300 ..
Extension for Earthwork and Masonry	13 May/63	96,310 ..
Suppl. sanction for Earthwork	2 July/67	236,870 ..

 472,720

Main Canal - 8th Section

Description of the work	Date of sanction	Amount
Canal & Masonry works	15 May/83	1232437410 ..
Supp. sanction for completing the Canal from 115 to 143 1/8 Miles	27 Feb/85	514,12,200 ..
Revised Estimate for the completion of Earth work	19 Feb/86	591,17,8220 ..
		<u>734,830 ..</u>

Cons'gr's Office
S. H. Canal Company
Madras, 1st Oct/84.

Main Canal - 9th Section

Description of the work	Date of sanction	Amount
Main Supply works	14 March/84	793901 ..
Off take Channel from the Rajahy Aricut	21 Dec/84	8910 ..
Supp. sanction for Earth and Masonry works	19 Feb/86	591,17,8220 ..
		<u>945837 ..</u>

Colonel Lindsay Captain R.L.
Cons'gr for S.H. Company

Enc. in a letter N^o 87 of
30th Sept 1877 from the London
Soc. Co. to the Secy to the
D.P.H.

J.F. 3731/67.

Prov. 23rd October 1877

(J.F. 3731/67)

49.

Line in letter N^o 87 N^o 30 Sept 77
from the London office C. to R.
Sent to Lord: 87 N^o 30

1873/74

285292-

1.6260-

502

427052

1885750

60.550

335, 157

110571

595, 290

250 000

845290

Statement showing the Original Estimates for the Madras Irrigation & Canal Company's Canal from Sootkaxala to Cuddapah - also the amounts sanctioned in each year subsequently, the present total sanction and the expenditure up to the 30th June 1867.

Works and Sections.	Original Estimates		Subsequent Sanctions.							Total expenditure up to 30 June 1867		Remarks.
	Date	Amount.	1861	1862	1863	1864	1865	1866	1867	Estimates on sanctioned plan up to 30 June 1867.	Actual expenditure up to 30 June 1867.	
Kurnool Ancient	17 April 1861	303,080	"	"	"	"	"	"	"	303,080	60,227	Abandoned and Sootkaxala selected for a new line.
Main Canal from do 1 mile	30 July 1861	65,000	"	"	"	"	"	"	"	65,000	9,285	do do do
Sootkaxala Ancient	11 Oct 1861	125,000	"	"	"	"	285,292	16,260	500	427,052	49,251	
Main Canal 1 st Section	23 Nov 1861	4,60,000	"	"	"	396,777	"	25,150	881,927	4,027		
Aqueduct across the Hindry river	21 Feb 1862	1,45,000	"	"	"	73,752	27,277	"	246,029	27,805		
Main Canal 2 nd Section	24 Dec 1861	534,000	"	"	"	179,970	824,445	1,709	8,550	13,89,674	155,477	
Do 3 rd Section	Do Do	188,500	"	"	"	60,590	335,150	"	11,050	5,95,290	69,808	
Do 4 th Section	11 April 1862	736	"	11,300	"	211,775	477,213	"	76,823	10,55,521	78,932	
Do 5 th Section	Do Do	238,380	"	9,360	2,691	176,752	"	162,329	114,100	703,612	50,707	
Do 6 th Section	3 July 1862	300,758	"	2930	80,746	"	"	57,510	"	441,944	31,791	
Do 7 th Section	17 Jan 1863	134,210	"	"	101,640	"	"	"	236,870	47,272	21,120	
Do 8 th Section	15 May 1863	437,410	"	"	"	"	121,200	175,220	"	7,36,830	2,65,747	
Do 9 th Section	14 March 1864	802,811	"	"	"	"	"	"	143,026	9,45,837	915	
Do 10 th Section	"	4,81,800	"	"	"	"	"	"	"	4,81,800	"	
		44,94,257	"	23,590	18,507	9,37,616	20,70,677	41,90,28	616,069	87,46,316	59,89,392	
Distribution	"	52,724	"	"	"	"	"	146	3,317	61,187	21,334	
Telegraph	23 Oct 1863	44,116	"	"	"	"	"	"	"	44,116	"	
Buildings	"	95,402	"	1,310	810	2,807	16,418	8,978	2,630	1,13,585	85,015	
Total		46,86,501	"	24,900	18,587	9,40,423	20,72,325	42,31,152	622,016	89,65,204	60,96,741	87,55,556

This shows that the expenditure other than that directly chargeable to the works is about 43 1/2 per cent. of this latter

The following is the nearest approximate estimate which can at present be formed of the probable total cost of the works from Sootkaxala to Cuddapah. Amount of Estimates as per Column 10 Rupees. Deduct unexpended balance on Kurnool Ancient 2,42,753. do do Canal 15,712. 2,58,465.

Further sanction required for Main Canal 3rd Section about

Do	Do	Do	6 th	Do	87,06,736
Do	Do	Do	7 th	Do	250,000
Do	Do	Do	8 th	Do	300,000
Do	Do	Do	9 th	Do	250,000
Do	Do	Do	10 th	Do	100,000
Do	Do	Do	Buildings	Do	100,000
Do	Do	Do	Distribution	Do	150,000
Do	Do	Do	other works and sections	Do	20,000
Do	Do	Do		Do	9,00,000
Do	Do	Do		Do	250,000
Do	Do	Do		Do	110,26,736
Do	Do	Do		Do	4,96,32,64
Do	Do	Do		Do	15,99,0,000

Establishment and other charges at 45 per cent.

For all descriptions of work. For 14 Miles Earthwork and all Masonry works. For all Masonry works. Locks. Simply a guess - about 30 per cent increase on former estimate which is the increase given on section 9 framed by same officer. 2 Rupees per acre, less sanction already given. For Sootkaxala Ancient, the 1st section may require further sanction to the Hindry Aqueduct.

Consulting Engineer's Office, Irrigation and Canal Co. Madras 30 September 1867

Volundruddis Captain P.E. Consulting Engineer for I & C Co.

Consulting Engineer's Office
Irrigation & Canal Company
Madras, 30th Sept. 1867.

N^o 87.

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From,

Captain, J. Mullins, R.E.
Consulting Engineer & Co.

To,

The Secretary to Government
Department of Pub. Works.

Sir,

I have the honor to forward a Statement
which has been prepared & was so far, as clear
ly as appeared practicable in a concise form,
the information regarding the estimated cost
of the Madras Irrigation and Canal Company's
works from the Coontakala Aicut to And.
-dipah, called for in your Memo: N^o 202 of the
25th instant. -

2. I also send a statement of particulars
of all sanctions for each individual work or
Section, for which separate sanctions have
been given and recorded. -

I have the honor to be,

Sir,

Your most obedient servant,

J. Mullins, Captain, R.E.

Consulting Engineer & Co.

10/5 -

Ch. 496-491

1817 Dec 15
of the of the of the of the
from No 3731
the same
to the Secy of the A.R.

Made 30
No 1. 1817 Sept 16

M. S.
Nov: 21

Comrade what time
leaving the information
regarding the estimate
sent of the Mr. 1817

order from the Secretary
for the same
No. 3280-9300 Oct 16

210,3280

Recorded

sent to George
2300, Oct 1867

The copy of this order
is to be sent to the
to the Secy of the A.R.
to the Secy of the A.R.

24/10/67