

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	193-232	Press
	482-83	Mis.
	<u>385-386</u>	
Dated	26th January	1969

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
26th January 1869.*

No. 482. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Passing orders on a letter from the Chief Engineer for Irrigation, forwarding Statements of the expenditure incurred on the Kistna Delta Works from 1852 to 1866-67. (Here enter 21st January 1869, No. 193.)

No. 483. ORDER THEREON, 26th January 1869, No. 232.

Irrigation, No. 13.

Ordered to be recorded.

(True Extract.)

(Signed) H. WIGRAM,

Acting Under Secretary to Government.

Ed. G. A. Turton.

*Proceedings of the Madras Government, Public Works Department,
21st January 1869.*

No. 385. Read the following letter from the Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 8th December 1868, No. 119:—

1. In continuation of my letter, No. 86, dated 29th October 1863, I have the honor to submit, for the information of Government, classified statements of the expenditure incurred on the Kistna Delta Works from the year in which the Anicut was commenced (1852) up to 1866-67.

2. The statements have been drawn up on the same principle as those for the Godavery works, but are more accurate as regards details, in consequence of a new system of audit having been established in 1856, and of a complete record of all bills submitted having been kept up by the District Engineer.

[illegible]

No. 1.
Expenditure on the Kistna Delta works.

REVENUE.

Oct. of 1869

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Dated January, 26th.

Recd.

G. O., 26th January 1869, No. 282.

JANUARY.

Nos. 462-463.

Kisina Della Floris.—Order on the State
ments of expenditure incurred on them from 1852
to 1866-67, recorded.

Expenditure on the Kistna Delta works.—(Continued.)

Southern Dials.

Expenditure on the Kistna Delta works.—(Continued).

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Proceedings of the Madras Government, Public Works Department,
21st January 1869.

Expenditure on the Kistna Delta works. (Continued.)

	1864-65.				1865-66.				1866-67.				Total 1852 to 1866-67.			
	MAIN CHANNELS.		DISTRIBUTION CHAN- NELS.		MAIN CHANNELS.		DISTRIBUTION CHAN- NELS.		MAIN CHANNELS.		DISTRIBUTION CHAN- NELS.		MAIN CHANNELS.		DISTRIBUTION CHAN- NELS.	
	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.	Original.	Repairs.
Kistna Anicut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Boats	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Machinery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Compensation for land	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Irrigation and Navigation Conser- vancy Establishment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Northern Delta.</i>																
1. Ellore Canal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. Budamar branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. Rives' Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Gudewadi branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Masulipatam Canal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Western side Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Pullarri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Buter side Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Buter Coda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Butamilly branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11. Polara Coda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. Cuddinly branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13. Rank Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. River embankment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15. Drainage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<i>Southern Delta.</i>																
1. Nimmampet Canal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2. East side Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. West side do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Rank do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Velatpur branch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Takapilly Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Commamoor Channel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Toongabandra do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Southern High Level Channel.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. River embankment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11. Drainage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

8th December 1868.

Proceedings of the Madras Government, Public Works Department,
21st January 1869.

No. 2.
Statement showing expenditure on Kistna Anicut, classified, New Works.

Year.	Chamber in front of Bez- wadah Lock.	New Shutters for Under Sluices.	Improvements to Bezwadah Head Sluices.	Total.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
1852 to 1856	...	...	...	7,26,872 0 0*	* Includes 64,336 for Es- tablishment.
1856-57	...	...	...	...	
1857-58	...	...	...	...	
1858-59	...	...	...	...	
1859-60	...	...	...	...	
1860-61	...	...	...	...	
1861-62	...	...	...	...	
1862-63	3,635 1 6	...	...	3,635 1 6	
1863-64	...	...	...	...	
1864-65	...	504 0 6	...	504 0 6	
1865-66	...	1,735 4 3	6,166 4 1	7,901 8 4	
1866-67	...	...	1,676 6 1	1,676 6 1	
Total...	3,635 1 6	2,239 4 9	7,842 10 2	7,40,589 0 5	

8th December 1868.

No. 3.
Statement showing expenditure on repairs of Kistna Anicut, classified.

Years.	Anicut.	Locks.	Head and Under Sluices.	Total.	Remarks.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
1852 to 1856	...	...	...	5,450 0 0	To this should be added the cost of clear- ance of locks and the heads of main chan- nels to the rear of the head sluices. This cannot be ac- curately ascer- tained, but it would probably have been about 2,600 Rupees annually.
1856-57	...	...	...	6,139 0 0	
1857-58	...	...	...	4,739 0 0	
1858-59	...	...	...	8,049 0 0	
1859-60	...	...	...	12,544 0 0	
1860-61	...	...	...	12,261 12 11	
1861-62	...	...	900 7 1	14,925 7 6	
1862-63	14,020 0 10	4 15 7	688 5 9	13,177 6 11	
1863-64	12,431 1 7	57 15 7	620 3 10	13,011 1 0	
1864-65	12,261 12 0	129 1 2	771 5 3	11,969 2 10	
1865-66	11,106 7 11	91 5 8	766 12 7	14,158 15 6	
1866-67	13,063 14 3	328 4 8	...	...	
Total...	62,883 4 7	611 10 8	3,747 2 6	1,16,454 14 8*	

8th December 1868.

No. 4.
Statement showing total expenditure on Kistna Anicut from 1852 to 1866-67.

Year.	New.	Repairs.	Remarks.
	RS. A. P.	RS. A. P.	
1852 to 1856	7,26,872 0 0	...	* To this should be added the cost of clearance of locks and the heads of main channels to the rear of the head sluices. This cannot be accurately ascertained, but it would probably have been about 2,500 Rupees annually.
1856-57	...	5,480 0 0	
1857-58	...	6,139 0 0	
1858-59	...	4,739 0 0	
1859-60	...	8,049 0 0	
1860-61	...	12,544 0 0	
1861-62	...	12,261 12 11	
1862-63	3,635 1 6	14,925 7 6	
1863-64	...	13,177 6 11	
1864-65	504 0 6	13,011 1 0	
1865-66	7,901 8 4	11,969 2 10	
1866-67	1,676 6 1	14,158 15 6	
New...	7,40,589 0 5	1,16,454 14 8*	Average per annum for 11 years. Including silt clearance. Per cent.
Repairs	1,14,933 14 8	or 10,587 0 0	
Total...	8,55,522 15 1	or 13,087 0 0	

8th December 1868.

Proceedings of the Madras Government, Public Works Department,
21st January 1869.

No. 5.
Statement showing the quantity of stone used for the maintenance of the Kistna Anicut.

Years.	Front of Anicut.	Rear of Anicut.	Chamber in front of Bezvadah Lock.	Main wall Coping.	Party Wall.	Groynes.	Apron in rear of under Sluices.	Emergent Repairs.	Total.	Should be bracketted, as part of the stone for 1865-66 was charged to 1866-67.	Cubic yards, average quantity of stone used per annum.
1856-57	...	...	...	...	...	...	...	...	...	...	...
1857-58	...	...	...	...	...	...	...	...	...	...	...
1858-59	...	...	...	...	...	...	...	...	...	...	...
1859-60	...	...	...	...	...	...	...	...	...	...	...
1860-61	...	...	...	...	...	...	...	...	...	...	...
1861-62	547	3,204	208	312	...	1,516	...	571	6,418	...	...
1862-63	644	7,324	1,603	280	...	1,158	1,206	...	12,715	...	...
1863-64	5,590	6,100	94	103	...	50	71	...	12,008	...	...
1864-65	2,700	7,463	...	42	167	279	200	...	10,851	...	...
1865-66	3,440	2,339	...	...	...	...	...	2,759	8,538	...	...
1866-67	5,453	9,263	321	20	20	242	250	...	15,569	...	...
1867-68	4,260	1,354	...	...	...	...	...	...	5,614	...	...
Total cubic yards.	22,634	37,607	2,226	757	187	3,245	1,727	3,330	71,713	...	10,245

8th December 1868.

Proceedings of the Madras Government, Public Works Department,
21st January 1869.

No. 6.
List of Machinery in the Kistna District not charged to works.

No.	Particulars.	Value.
2	Steam Dredging vessels with Engines and Boilers complete. Dimensions 55 x 10 x 3½ feet, and 50 x 8 x 3½ feet, Nos. 6 and 8, including fittings	Rs. 31,228 9 1 A. 28,356 11 10 P. 30,437 0 11
1	Steam Dredge 90 x 15 x 2½ feet	5,106 1 8
1	Canal Dredge, No. 5.	1,311 15 9
1	Portable Engine and Boiler combined, 6-horse power	556 7 7
1	Boring apparatus	1,385 8 2
1	Circular Saw set	802 8 3
2	Pumps, portable, 8-inch	2,000 0 0
1	Circular Saw table	3,934 0 0
1	Drilling machine	41,358 4 8
1	Gough's Patent Engine and Boiler with Pumps, 3-horse power	1,011 14 3
19	Iron Punts	...
Total of items costing under Rupees 500...		...
Total...		1,47,489 2 2

8th December 1858.

No. 7.
Abstract of expenditure in Kistna District from 1856 to 1866-67.

	1856-57.	1857-58.	1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	Total.
Total expenditure in Kistna District on all Public Works	4,25,098	2,61,897	2,25,471	2,49,857	2,54,409	2,92,434	4,22,593	3,64,710	4,43,265	2,91,156	2,97,781	35,08,673
Charges for Establishment	78,294	89,814	98,399	60,258	87,197	95,340	1,01,485	74,343	55,952	76,467	73,174	8,90,723
Per-centage	18.42	34.29	43.64	24.12	34.27	32.60	24.01	20.96	12.62	26.26	25.43	25.39
Total expenditure on Delta works as per Statement No. 1, including Rs. 64,836 for establishment supposed to have been paid for from works.	15,77,424	1,75,458	1,48,558	1,61,766	2,04,487	2,28,514	3,09,050	3,17,618	3,00,537	2,22,450	1,86,166	88,41,023

* From 1852 to 1857.

8th December 1868.

*Proceedings of the Madras Government, Public Works Department,
21st January 1869.*

No. 386.

ORDER THEREON, 21st January 1869, No. 193.

IRRIGATION, No. 30.

Ordered that these Statements be
forwarded to the Government of India in
continuation of the letter from this Gov-

ernment, dated 13th January 1869, No. 94.

(Here enter No. 194, dated 21st January 1869.)

(True Extract.)



Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division.

- „ Revenue Department.
- „ Chief Engineer for Irrigation.
- „ Controller of Public Works Accounts.

Exd. S. T. Augustin.

Revenue Dept.
N^o 186.

Govt. of 1869 Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,

2ND DIVISION.

&c., &c., &c.

Dated January, 21st.

Recd. 23⁹/₁₀ -

Encl.

G. O., 21st January 1869, No. 193.

JANUARY.

Nos. 335-333

19/11
1/11
Kistna Delta Works—Passing orders
on a letter from the Chief Engineer for
Irrigation, forwarding Statements of the
expenditure incurred on the Kistna Delta
Works from 1852 to 1866-67.

N^o 232
RECORDED