Public Works (1898) Department.

G.O., No. 375 I

DATED 4th May 98

[Despatch Abstract.]

Navigation Receipts & Charges. Reviewing

Note by the Chief Engr for Irrigation reviewing the statement of —— of the Kistna Delta System for 1896-97.

120/0

Indexed 4/5

[P. W. 31.
1,000—12-2-98.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. *Spare copies*

G.O., No. 375 I., 4th May 1898.

MAY.

Navigation Receipts and Charges

Recording note by the Chief Engineer for Irrigation reviewing the statement of — of the Kistna delta system for 1896–97.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From W. C. DeMORGAN, Esq., Officiating Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezwada, 18th November 1897, No. 2277 K.

I have the honour to forward, herewith, statement of navigation receipts and charges appertaining to the Kistna delta system for 1896–97.

Enclosure.

Comparative statement showing the Charges and Receipts of Navigation in the canals of Kistna Delta for 1893–94, 1894–95, 1895–96 and 1896–97.

Particulars.	Official year 1893–94.	Official year 1894–95.	Official year 1895–96.	Official year 1896–97.
Charges.	RS.	RS.	RS.	RS.
Local establishment ..	7,889	6,318	6,053	6,254
Direct charges for repairs ..	25,336	30,787	31,612	41,565
Indirect do. ..	35,059	27,856	33,973	41,873
Interest on capital outlay ..	17,964	18,481	18,689	19,240
Total ..	86,248	83,442	90,327	1,08,932
Receipts.				
License-fees for cargo boats ..	2,746	3,326	4,371	4,362
Do. for passenger boats ..	1,588	1,166	969	1,103
Do. for Government boats ..	4,820	5,127	..	..
Do. for staff boats ..	108	120	..	..
Do. for miscellaneous boats ..	300	1,297	..	504
Tolls on cargo boats ..	21,870	21,260	25,438	20,110
Do. on passenger boats ..				
Do. on miscellaneous boats ..				
Do. on rafts ..	267	338	1,361	1,307
Total ..	31,699	32,634	32,139	27,386
License-fees on Government floating plants ..	1,295	..	..	..
Rent from staff boats ..	1,604	2,227	2,082	1,944
Do. from paddle boats ..	28	..	..	..
Do. from boat basin ..	13	125	90	145
Do. from plots ..	..	2,236	2,031	2,174
Earnings of steamer ..	..	..	389	..
Total ..	34,634	37,222	36,731	31,649
Add balance deficit ..	51,614	46,220	53,596	77,283
Grand Total ..	86,245	83,442	90,327	1,08,932

To the Examiner, Public Works Accounts, dated 22nd November 1897, No. 343.

For verification of receipts and expenditure and early return.

(Signed) F. J. WILSON,
for Chief Engineer for Irrigation.

Office-note from the Examiner, Public Works Accounts, dated Madras, 26th November 1897, No. 3728 B/B.

[Your office-note, No. 343, dated 22nd November 1897.]

The following items of receipts for 1896–97 shown in the comparative statement and in statements A and B have been verified :—

	RS.
License-fees for cargo boats	4,362
Do. for passenger boats	1,103
Rent for staff boats	1,944
Do. boat basin	145
Do. plots	2,174

2. The remaining items in these statements, as well as those in statements C and C (1) and A (1) are not susceptible of check in this office.

3. According to the divisional accounts for 1896–97, the total navigation receipts amount to Rs. 31,649 as shown in the margin and not to Rs. 30,376 as entered in the statements.

	RS.
Kistna Northern	20,171
„ Eastern	5,653
„ Western	5,855
Total ...	31,679
Less Refunds of Revenue	30
Net Total ...	31,649

4. The figures for the years 1893–94, 1894–95 and 1895–96 have already been verified, and the result reported when the statements pertaining to those years were sent to this office for check.

To the Superintending Engineer, II Circle, dated 10th December 1897, No. II/205 K.S.

From the Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezwada, 12th January 1898, No. 84 K.

In re-submitting the statement of navigation receipts and charges of the Kistna delta system for 1896–97, duly corrected, I have the honour to explain that the difference of Rs. 1,303 between Rs. 31,679 as per finance account of the Examiner, Public Works Accounts, and Rs. 30,376 as per statements of this office is accounted for as follows :—

	RS.	A.	P.
Collection on account of rents of plots in the Kistna Western division now included	1,273	0	0
Deductions on account of refunds in the Kistna Northern division not included by this office	29	12	6
	or 30	0	0

Enclosures.

A.—Statement of Receipts and Charges in the Kistna District Navigation for the year 1896–97.

Receipts for 1896–97. Description.	Amount.	Charges for 1896–97. Description.	Amount.
	RS.		RS.
1. License-fees for cargo boats	4,362	1. Lock establishment ..	6,254
Do. for passenger boats, 1st class .. Do. do. 2nd class.	1,103	2. Repairs to lock and lock weirs	16,333
Do. for Government boats ..	..	3. Navigation buildings — (a) Improvements	406
Do. for staff boats	..	(b) Repairs	908
Do. for miscellaneous, including private and pleasure boats, duplicate license-fees, &c.	504	4. Tow-path maintenance	21,067
		5. Dredging	1,118
2. Tolls on cargo and passenger boats and miscellaneous boats on steam dredger.	20,110	6. Miscellaneous, including any charges not appertaining to the above items.	1,733
3. Rafts	1,307	7. Share of canal maintenance	41,873
Total ..	27,386	8. Miscellaneous general charges	..
		9. Interest for the year on capital outlay on navigation works at 4 per cent on Rs. 4,71,711.	18,868
Rent for staff boats	1,944	Interest for the year on capital outlay on navigation works at 2 per cent. on Rupees 18,536 as per column 4. Abstract of memorandum A (1).	372
Steamer earnings	..		
Rent for boat basin	145		
Rent of plots	2,174		
Total ..	31,649		
Balance, deficit ..	77,283		
Total ..	1,08,932	Total ..	1,08,932

Abstract of Memorandum.

A (1).—Statement showing capital outlay on Navigation Works proper of the Kistna district for the year 1896–97.

Section of delta.	To end of 1895–96.	Outlay in 1896–97.	Total.
	RS.	RS.	RS.
Eastern section	1,82,099	3,702	1,85,801
Western ,, ...	2,89,612	14,834	3,04,446
Total ..	4,71,711	18,536	4,90,247

B.—Statement showing the revenue obtained in licensing boats in the Kistna Delta from 1894–95 to 1896–97.

—	1894–95.					1895–96.					1896–97.				
	Class	Total number.	Tonnage.	Number of passengers.	Amount of license.	Class.	Total number.	Tonnage.	Number of passengers.	Amount of license.	Class.	Total number.	Tonnage.	Number of passengers.	Amount of license.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. License for cargo boats	..	76	1,557	..	3,326	..	96	1,919	..	4,371	..	86	1,745	..	4,362
Do. for passenger boats, 1st class .. Do. do. 2nd ,, ..	2nd	17	402	981	1,166	..	14	323	767	969	2nd	13	309	682	1,103
Do. for Government boats	..	77	2,001	..	5,127	..	..	..	..	..	..	..	..	..	..
Do. for staff boats	..	10	..	..	120	..	..	..	..	..	..	..	..	..	..
Do. for miscellaneous including private pleasure boats, &c.	..	..	..	..	1,297	..	16	..	..	..	..	16	..	..	504
2. Toll on cargo boats, passenger and miscellaneous	..	..	..	..	21,260	..	..	..	..	25,438	..	..	..	..	20,110
Toll on steam dredger	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Toll on rafts	..	..	..	..	338	..	..	..	..	1,361	..	..	..	..	1,307
Total ..	..	..	..	..	32,634	..	..	..	..	32,139	..	..	..	..	27,386
Earnings of steamer	..	..	..	..	..	..	..	..	..	389	..	..	..	..	..
Rent from staff boats	..	..	..	..	2,227	..	..	..	..	2,082	..	..	..	..	1,944
Do. paddle boats, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. boat basin	..	..	..	..	125	..	..	..	..	90	..	..	..	..	145
Rent of plots	..	..	..	..	2,236	..	..	..	..	2,031	..	..	..	..	2,174
License-fees from Government floating plants	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total ..	..	..	..	..	37,222	..	..	..	..	36,731	..	..	..	..	31,649

C.—Statement showing Expenditure on Repairs of Navigable Canals in the Kistna District, 1896–97.

—	Navigation repairs proper.						Repairs to navigable canals.						Total of columns 7 and 13.
	Lock and lock weir and repairs.	Navigation buildings.	Clearing towpaths.	Dredging.	Miscellaneous.	Total.	Repairs to canal banks.	Silt clearance in canals.	Repairs to masonry works.	Dredging.	Miscellaneous.	Total.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Kistna Eastern Delta.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.	RS.	RS.
1. Main canal	2,642	82	60	..	..	2,784	..	1,728	713	..	..	2,441	5,225
2. Ellore canal	..	..	2,570	868	..	3,438	..	12,713	6,603	..	..	19,316	22,754
3. Masulipatam canal	3,254	533	3,926	250	..	7,963	..	4,603	6,763	..	..	11,366	19,329
4. Bank canal	12	..	..	..	..	12	..	..	71	..	..	71	83
5. Pamarru junction canal	..	..	55	..	..	55	..	383	430	..	..	813	868
6. Pulleru canal	57	1	1,450	..	..	1,508	..	10,598	277	..	..	10,875	12,383
7. Polraz canal	458	108	2,248	..	..	2,814	..	1,728	61	..	..	1,789	4,603
8. Bantumilli canal	844	62	3,064	..	..	3,970	..	6,335	396	..	..	6,731	10,701
9. Ryves canal	..	..	1,337	..	..	1,337	..	5,559	2,570	..	..	8,129	9,466
Total, Eastern delta ..	7,267	786	14,710	1,118	..	23,881	..	43,647	17,884	..	..	61,531	85,412
Kistna Western Delta.													
1. Main canal	4,740	66	977	..	212	5,995	..	16,974	545	..	8,217	9,302	15,297
2. Nizampatam canal	1,453	32	1,779	..	..	3,264	851	6,729	232	..	2,356	10,168	13,432
3. Bank canal	866	..	1,742	..	1,062	3,670	7,254	6,000	851	..	1,905	16,010	19,680
4. Commamur canal	2,007	24	1,859	..	459	4,349	6,995	13,883	276	..	7,454	28,608	32,957
Total, Western delta ..	9,066	122	6,357	..	1,733	17,278	15,100	43,586	1,904	..	3,498	64,088	81,366
Grand Total ..	16,333	908	21,067	1,118	1,733	41,159	15,100	87,233	19,788	..	3,498	1,25,619	1,66,778

Abstract of Statement C.

Names of canals.	Navigation repairs proper in column 7 of statement C.	Repairs to navigable canals, column 13 of statement C.	Proposed length of canals.		Length open to navigation.		Proportion of column 3 chargeable to navigation.		Total of columns 2 and 7.
							Percentage.	Amount.	
1	2	3	4		5		6	7	8
Kistna Eastern Delta.									
Main canal	2,784	2,441	..	51	..	51	⅓ or 33 per cent.	814	3,598
Ellore canal	3,438	19,316	40	..	40	..	..	6,439	9,877
Masulipatam canal	7,963	11,366	49	7	49	7	..	3,788	11,751
Bank canal	12	71	..	..	..	..	..	24	36
Pamarru junction canal	55	813	..	40	..	40	..	271	326
Pulleru canal	1,508	10,875	26	26	17	60	..	3,625	5,133
Polraz canal	2,814	1,789	26	..	26	..	..	596	3,410
Bantumilli canal	3,970	6,731	27	5	27	5	..	2,244	6,214
Ryves canal	1,337	8,129	..	..	..	..	..	2,709	4,046
Total ..	23,881	61,531	169	49	161	3	..	20,510	44,391
Kistna Western Delta.									
Main canal	5,995	9,302	13	..	13	..	⅓ or 33 per cent.	3,101	9,096
Nizampatam canal	3,264	10,168	27	78	27	78	..	3,389	6,653
Bank canal	3,670	16,010	46	08	46	08	..	5,337	9,007
Commamur canal	4,349	28,608	59	..	59	..	..	9,536	13,885
Total ..	17,278	64,088	146	6	146	6	..	21,363	32,641
Grand Total ..	41,159	125,619	315	55	307	9	..	41,873	77,031

D.—MEMORANDUM showing the Offences against Bye-laws during the official year 1896–97 and Punishments inflicted in the Kistna Delta.

—	Rule No. 20.		Rule No. 24.		Rules Nos. 21 and 33.		Rule No. 26.		Rule No. 27.		Bye-laws 21 and 26.		Bye-laws 27 and 28.	
	Number of boat.	Number of days.	Number of boat.	Number of days.	Number of boat.	Number of days.	Number of boat.	Number of days.	Number of boat.	Number of days.	Number of boat.	Number of days.	Number of boat.	Number of days.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
stern.														
	..	..	..	..	..	..	..	..	..	..	K.T. 53691	10	..	..
	..	..	..	..	..	..	..	..	..	..	K.T. 519 G.T. 55676	10	..	..
											old K. 2152 K.T. 52748	10	..	..
Passenger's top boat	..	..	..	..	..	..	..	.	..	..	K.T. 1111 1515 D. 292 D. 883 D. 840 D. 940 D. 424 D.	5 10 10 10 10 15		
Top boat	..	..	..	..	..	..	..	..	..	..	..	..	1331	10
Cargo boat	..	..	..	..	..	..	..	..	..	..	..	..	29 K. 1084 911 1067	10 4 4 4
Top boat	..	..	..	..	..	..	..	..	..	..	..	..	889 B.C.	2
Cargo boat	..	..	..	..	..	..	..	..	..	..	..	..	5814 G. 5813 G. 1912 1911	2 2 2 2
Kistna Northern.														
Cargo boat	53299	2	..	..	..	..	969	2	..	..	..	..	..	..
Do.	53419	1	..	..	..	..	..	..	..	..	..	..	..	..
Do.	53419	5	..	..	..	..	..	..	..	..	..	..	..	..
Do.	53433	3	..	..	..	..	..	..	..	..	..	..	..	..
Do.	..	..	..	..	53401	2	..	..	..	..	..	..	..	..
Passenger boat	..	..	56402	2	..	..	..	..	..	..	..	..	..	..
Do.	..	..	..	..	..	..	..	..	56448	4	..	..	..	..

To the Superintending Engineer, II Circle, No. II/11-K.S., dated 26th January 1898.
From the " " " 1072 K.N. " 13th April 1898.

No. 148 I.

Note by the Chief Engineer for Irrigation.

The navigation receipts of the Kistna delta system for 1896–97, as shown in the accompanying statements submitted by the Superintending Engineer, II Circle, amounted to Rs. 31,649, and the charges to Rs. 89,692, excluding interest * on the capital outlay incurred on the navigation works of the system.

2. Compared with the receipts and charges of the previous year, there was a decrease of Rs. 5,082 in the former and an increase of Rs. 18,605 in the latter. The decrease in the receipts is due to a falling off in tolls on cargo, passenger and miscellaneous boats, and the increase in charges to increased cost of towpath maintenance and to expenditure incurred in raising lock gates and front walls of head locks and providing new gates for the Seetanagaram head lock.

3. The total receipts do not correspond with the amount, Rs. 31,679, entered in the finance accounts of the Examiner of Public Works Accounts, in accordance with paragraph 2 of G.O., No. 534 I., dated 1st November 1889. The difference is due, as stated by the Superintending Engineer, to the sum of Rs. 30 on account of refunds in the Kistna Northern division not having been included in his statements.

22nd April 1898.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 375 I., dated 4th May 1898.

Recorded.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer II Circle.
" Examiner, Public Works Accounts.

Exd. Pabilvan.

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* Rs. 19,240.

Public Works (1898) Department.

CURRENT No. 3792

From The Chief Engineer for Irrigation

Order

No. 148 I

Dated 22-4-98

Received } 2-5-98
Registered }

Enclosures 7.8

Spare copies

SUBJECT.

Note reviewing the Statements of Navigation Receipts and Charges of the Kistna Delta System for 1896–97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

His Excellency the Governor.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Statement of navigation receipts & charges of the Kistna delta system for 96-97, recorded

UNDER date the

READ the following

From the Supg. Engineer, Second Circle. (H.E. No. 2277-K dated 18. 11. 97).
To the Examiner, P.W. Accounts. (H.E. No. 343 dated 22. 11-97).
From the —— do. —— do. —— (H.E. No. 3728 B/B dated 26. 11. 97).
To the Supg. Engineer, Second Circle. (H.E. No. II/205-K.S. dated 10. 12-97).
From the —— do. —— do. —— (H.E. No. 84-K. dated 12. 1-98).
To the —— do. —— do. —— (H.E. No. II/11-K.S. dated 26. 1. 98).
From the —— do. —— do. —— (H.E. No. 1072-K.N. dated 13. 4. 98).
No. 148 I of 22. 4-98

Note by the Chief Engineer for Irrigation.

The navigation receipts of the Kistna delta system for 1896-97, as shown in the accompanying statements sub-mitted by the Supg. Engineer, Second Circle, amounted to Rs. 31,649, and the charges to Rs. 89,692, excluding interest[x] on the capital outlay incurred on the navigation works of the system.

x vide S.E.'s letter flagged P.

x Rs. 19,240.

2. Compared with the receipts and charges of the previous year, there was a decrease of Rs. 5,082 in the former and an increase of Rs. 18,605 in the latter. The decrease in the receipts is due to a falling off in tolls on

Issue

25.4.98

28/4/98

cargo, passenger and miscellaneous boats, and the increase in charges to increased cost of towpath maintenance and to expenditure incurred in raising lock-gates and front walls of head locks and providing new gates for the Seetanagaram head lock.

3. The total receipts do not correspond with the amount, Rs. 31,679 entered in the Finance Accounts of the Examiner of Public Works Accounts in accordance with para 2 of G.O. No. 534-I dated 1st November 1889. The difference is due, as stated by the Supdg. Engineer, to the sum of Rs. 30 on account of refunds in the Kistna Northern division not having been included in his statements.

+ Flagged F

No. 375 I d 4.5.98

Order thereon.

Recorded.

2.44
23.4.98

D. 4/11/98

JH
21/4/98

JH
22.4.98

To The Chief Engineer for Irrigation
" Supdg. Engineer Second Circle
" Examiner, P.W. Accounts

E. I. Form No. 1—500—1-11-97

19/4

Public Works (1898) Department.

CURRENT No. 94 K.S.

From The Supdg Engineer
Second Circle

Order

No. 1072 K.N.

Dated 13 April 1898
Received 15 — Do —
Registered
Enclosures
Spare copies

SUBJECT.

Statement of navigation receipts & charges of the Kistna Delta System for 1896-97 — Forwards copy of letter from the E.E. K.N.D. furnishing certain explanation in connection with F.E.I.

Draft disposal for approval.

19/4

25/4/98

15/4/98

BACK PAPERS.

No.	Date.
I 11 Ks dy	26-1-98
R 17 Ks	12-1-98
I 205 Ks	10-12-97
R 271	26-11-97
R 357 Ks	18-11-97

FURTHER PAPERS.

No.	Date.
1	

Copy of letter from the Executive Engineer Kistna Northern Division, to the Superintending Engineer, Second circle, No. 22 S.C. d/ 5-4-98.

With reference to your No. 325 K.W. dated 3-2-98, I have the honor to explain the causes of decreases, and increases in the several items of receipts, and charges as follows:—

Receipts.

License fees on Cargo boats.

Item I (a) Difference is very trifling. Requires no explanation.

(b) — do — Passenger Boats.

There was an increase in receipts from Tolls, and decrease under licenses showing that the practice of plying on toll tickets is increasing.

(c) — do — Miscellaneous boats.

There was a large profit on Plant account manufacture in 95-96 whereas in 96-97 the expenses and receipts under this head were equal. This accounts for the less receipts.

2. Tolls on Cargo Boats.

Increase under collections is due to the excess number of boats plyed under toll tickets in the Kistna Canals during the year.

3

3. Tolls on Rafts.

Increase due to the number of rafts plyed during the year. This is a fluctuating item and realizations under this head will vary each year as it depends solely on the quantity of wood rafted in the Canal.

4. Rents of plots on Canal berms.

Difference is very trifling and which is due to the fines levied on holders of plots for late payment of rents.

5. Rents of Staff Boats.

Decrease under this item is due to certain staff Boats not having been used by Officers while on leave &c. &c.

Charges

1) Increase under this item is due to the Lock establishment at Seetanagaram added to this Division during the year.

2. There were special expenses in raising the Lock gates and front walls of Head Locks, and part of Cost of a new pair of head lock gates, Seetanagaram.

2, 3, 5. Owing to heavy floods, all miscellaneous repairs and clearences in Canals were more than usual

4. No difference.

No

No. $\frac{1072\ K.N.}{13 \cdot 4 \cdot 98}$

Forwarded to the Chief Engineer for Irrigation with reference to his No. $\frac{II}{11}$ K.S. dated 26th January/98.

Morton Niles
12/4/98
Executive Engineer
for Superintending Engineer
2nd Circle.

M/

FOR
15 APR. 1898
No. 94

Ocr. 1 / 3732/58

Public Works (189~~7~~8.) Department.

3759 / 3759

IRRIGATION BRANCH.

ISSUE No. 11 / 1148

To

The Supg Engineer 2 Circ

(Reply to letter No. , dated)

* Particulars of Enclosures.

Dated 26-1-98

Despatched 28-1-98

Enclosures *

SUBJECT.

Statement of Navigation receipts and charges of the Kistna Delta System for 1896-97. S.E. requested to expedite the submission of the explanation called for in para 2 of this Office No 205 K.S. 7-9-97, pending receipt of which, the — cannot be submitted to Govt

Indexed

E. I. Form No. 13–2,000–1-11-97.

BACK PAPERS.

No.	Date.
R17Ks	12-1-98

Sent to Government with No. I.,
dated 1897.
Printed with G.O., No. I.,
dated 189 .

REMINDERS ISSUED.

No. 1, dated 189 .
" 2 "
" 3 "
" 4 "
" 5 "

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R94Ks	13-4-98

No. II/11KS d/26.1.98.

Memo

With reference to his letter, No. 84-K, of the 12 Jany. 1898, the Supg. Engineer, Second Circle, is requested to be so good as to expedite the submission of the explanation of the causes of the decreases and increases in the several items of navigation receipts and charges ~~respectively of the Canal~~ of the Kistna delta system for 1896-97 called for in para 2 of this Office Memo, No. II/205-KS, dated 10 December 1897. Pending receipt of the explanation, the statements ~~sub-mitted~~ forwarded by the Supg. Engineer, cannot be submitted to Govt.

26/1/98

WH
26.1.98

To
The Supg. Engineer,
Second Circle

20/1/98
24/1/98

15/1/98

15/1/98

144

R17KS/98

With reference to Pro. No. 84-K, of the 12 Jany 1898, the Supdg Engineer Second Circle is requested to be so good as to expedite the submission of the explanation of the causes of the decrease and increase in several items of the navigation receipts and charges ~~respectively of the Canal~~ of the Kistna Delta system for 1896-97 called for in para 2 of this office Memo No. 20 KS dated 10 December 1897. Pending receipt of the explanation the statement ~~forwarded~~ by the Supdg Engineer is retransmitted to him.

Oust. 2
3752/98

Public Works (1898) Department.

CURRENT No. 17 KS

Order

From The Superintending Engineer II Circle

No. 84 K.

Dated 12 January 1898
Received 17 — Do —
Registered
Enclosures 7
Spare copies

SUBJECT.

Statement of Navigation Receipts and charges of the Kistna Delta system for 1896-97. Resubmits the — corrected.

F.E.J.

Draft original for approval
20/1/98

17/1/98

15/1/98

17-8-98

BACK PAPERS.

No.	Date.
I205Ko	6-12-97
R271	26-11-97
R357Ko	18-11-97

FURTHER PAPERS.

No.	Date
I4KS	12-1-98
R94Ko	13-11-98

D.17 Memorandum showing the Offences against bye-laws during the official year 1896-97 and punishments inflicted in the Kistna Delta

	Rule No. 20		Rule No. 24		Rule No. 21 & 33		Rule No. 26		Rule No. 27		Bye-laws 21 & 26		Bye-laws 27 & 28	
	No. of boat	No. of days	No. of boat	No. of days	No. of Boat	No. of days	No. of Boat	No. of days	No. of Boat	No. of days	No. of Boat	No. of days	No. of Boat	No. of days
Kistna Western Cargo boat											K.T. 53691	10		
											K.T. 519			
— Do —											S.T. 55676			
											Old K 2152	10		
											K T 52748	10		
											K.T. 1111			
Passengers T.P. Boat											1515D	5		
											292D	10		
											883D	10		
											840D	10		
											940D	10		
											424D	15		
Top Boat													1331	10
Cargo Boat													29K	10
													1084	4
													911	4
													1067	4
Top Boat Cargo Boat													889BC	2
													5814G	2
													5813G	2
													1912	2
													1911	2
Cargo Boat	53299	2					969	2						
Do	53419	1												
Do	53419	5												
Do	53433	3												
Do					53401	2								
Passenger Boat			56402	2										
Do									56448	4				

11

W Dellorzal 18/11 ~~Executive Engineer~~
~~for~~ Superintending Engineer II Circle

17/11/97

BACK PAPERS. FURTHER PAPERS.

SUPERINTENDING ENGINEER
No. 2801

EXAMINER, P. W. ACCOUNTS.
23 NOV. 1897
No.

CHIEF ENGINEER FOR IRRIGATION.
20 NOV. 1897
No. ~~357 Rs~~ 617

CHIEF ENGINEER FOR IRRIGATION.
29 NOV. 1897
No. ~~271~~ 718

CHIEF ENGINEER FOR IRRIGATION.
18 JAN. 1898
No.

Comparative Statement showing the charges & receipts of Navigation in the Canals of Kistna Delta for 1893-94, 1894-95, 1895-96 & 1896-97.

Particulars	Official Year 1893-94	Official Year 1894-95	Official Year 1895-96	Official Year 1896-97	
Charges.					
Lock Establishment	7,889	6,318	6,053	6,254	+201
Direct charges for repairs	25,336	30,787	31,612	41,565	+9,953
Indirect — Do —	35,059	27,856	33,973	41,873	+7900
Interest on Capital outlay	17,964	18,481	18,689	19,240	+551
Total.	86,248	83,442	90,327	108,932	+18605
Receipts					
License fees for Cargo boats	2,746	3326	4,371	4,362	-9
Do – for Passenger boats	1,588	1,166	969	1,103	+134
Do for Government boats	4,820	5,127	"	"	
Do for Staff boats	108	120	"	"	
Do for Miscellaneous boats	300	1,297	"	504 584	+504
Tolls on Cargo boats Do on Passenger boats Do on Miscellaneous boats	21,870	21,260	25,438	20110 ~~18,837~~	-5328
Do on Rafts	267	338	1,361	1,307	-54
Total	31,699	32,634	32,139	~~26,113~~ 27,386	
License fees on Govt. floating plants	1,295	"	"	"	
Rent from Staff boats	1,604	2,227	2,082	1,944	-138
Do from paddle boats	28	"	"	"	
Do from boat basin	13	125	90	145	+55
Do from pilots	"	2,236	2,031	2,174	+143
Earnings of steamer	"	"	389	"	-389
Total	34,634	37,222	36,731	31,649 ~~30,376~~	-5082
Add balance deficit	51,614	46,220	53,596	77283 ~~78,556~~	
Grand Total	86,245	83,442	90,327	108,932	

357 Rs

1

R 271/87

2

R17 Ks/88

1

C(1)

B

7

Abstract of Statement C.

Names of Canals	Navigation repairs proper in Col 7 of Statement C.	Repairs to navigable Canals. Col 13 of Statement C.	Proposed length of Canals		Length Open to Navigation		Proportion of Col: 3 Chargeable to Navigation		Total of Cols 2 & 7
							Percentage	Amount	
1	2	3	4		5		6	7	8
Kistna Eastern Delta									
Main Canal	2,784	2,441	"	51	"	51	1/3 or 33 Per Cent	814	3,598
Ellore Canal	3,438	19,316	40	"	40	"		6439	9877
Masulipatam Canal	7,963	11,366	49	7	49	7		3,788	11,751
Bank Canal	12	71	"	"	"	"		24	36
Pamarru Junction Canal	55	813	"	40	"	40		271	326
Pullern Canal	1,508	10,875	26	26	17	60		3,625	5,133
Polraz Canal	2,814	1,789	26	.	26	-		596	3,410
Bantumilli Canal	3,970	6,731	27	5	27	5		2,244	6,214
Ryves Canal	1,337	8,129	"	"	"	"		2,709	4,046
Total	23,881	61,531	169	49	161	3		20,510	44,391
Kistna Western Delta									
Main Canal	5,995	9302	13	.	13	.	1/3 or 33 Per Cent	3101	9,096
Nizampatam Canal	3,264	10168	27	78	27	78		3389	6,653
Bank Canal	3,670	16010	46	08	46	08		5337	9,007
Commamur Canal	4349	28608	59	.	59	-		9536	13,885
Total	17,278	64,088	146	6	146	6		21,363	32,641
Grand Total	41,159	125,619	315	55	307	9		41,873	77,031

BACK PAPERS.

FURTHER PAPERS.

357 Rs
1

R 271/87
2

R 17 Ks/88
1

7

C (1). Abstract of Statement C.

Names of Canals	Navigation repairs proper in Col 7 of Statement C.	Repairs to navigable Canals. Col 13 of Statement C.	Proposed length of Canals		Length Open to Navigation		Proportion of Col: 3 Chargeable to Navigation		Total of Cols 2 & 7
							Percentage	Amount	
1	2	3	4		5		6	7	8
Kistna Eastern Delta									
Main Canal	2,784	2,441	"	51	"	51	1/3 or 33 Per Cent	814	3,598
Ellore Canal	3,438	19,316	40	"	40	"		6,439	9,877
Masulipatam Canal	7,963	11,366	49	7	49	7		3,788	11,751
Bank Canal	12	71	"	"	"	"		24	36
Pamarru Junction Canal	55	813	"	40	"	40		271	326
Pullern Canal	1,508	10,875	26	26	17	60		3,625	5,133
Polraz Canal	2,814	1,789	26	.	26	-		596	3,410
Bantumilli Canal	3,970	6,731	27	5	27	5		2,244	6,214
Ryves Canal	1,337	8,129	"	"	"	"		2,709	4,046
Total	23,881	61,531	169	49	161	3	"	20,510	44,391
Kistna Western Delta									
Main Canal	5,995	9302	13	.	13	.	1/3 or 33 Per Cent	3101	9,096
Nizampatam Canal	3,264	10168	27	78	27	78		3389	6,653
Bank Canal	3,670	16010	46	08	46	08		5337	9,007
Commamur Canal	4349	28608	59	.	59	-		9536	13,885
Total	17,278	64,088	146	6	146	6		21,363	32,641
Grand Total	41,159	125,619	315	55	307	9		41,873	77,031

SUB-ENGINEER'S OFFICE, No. 2886 1-12-97

CHIEF ENGINEER FOR IRRIGATION 25 NOV 1897 No. 357 Ks/3

R 17 Ks/88/3

R ~~2??~~ 221/4/87

A. Statement of receipts and Charges in the Kistna District Navigation for the year 1896-97

Receipts for 1896-97		Charges for 1896-97	
Description	Amount	Description	Amount
1. License fees Cargo boats	4362	1. Lock Establishment	6,254
Do for passenger boats, 1st Class Do Do — 2nd Class	1103	2 Repairs to lock & lock weirs —	16,333
		3 Navigation Buildings.	
Do. for Government boats	"	(a) Improvements	406
Do for staff boats	"	(b) Repairs	908
Do — for miscellaneous including private & pleasure boats, duplicate license fees &c.	504	4. Towpath Maintenance 5 Dredging	21,067 ~~17957~~ 1,118
		6. Miscellaneous including any charges not appertaining to the above items —	1,733
2. Tolls on Cargo and passenger boats and miscellaneous boats on Steam Dredger —	20110 ~~18,837~~		
3 Rafts	1307	7. Share of Canal Maintenance —	41,873
Total	27,386 ~~26,113~~	8. Miscellaneous general Charges —	"
Rent for staff boats	1944		
Steamer earnings	"	9. Interest for the year on Capital outlay on navigation works at 4 Per Cent on Rs 4,71,711	18,868
Rent for boat basin	145		
Do of plots	2174		
Total	31649 ~~30,376~~	Interest for the year on Capital outlay on navigation works at 2 Per Cent on Rs 18,536 as per Col 4 Abstract of Memorandum (1) —	372
Balance, deficit	77283 ~~78,556~~		
Total	108,932	Total	108,932

No. 2886

ENGINEER
FOR IRRIGATION.
20 NOV. 1897
No. 3576

3576/4

R17Ks/88
4

R27'/89
5

9

Abstract of Memorandum

A.(1). Statement showing Capital Outlay on Navigation works proper of the Kistna District for the year 1896-97.

Section of Delta	To end of 1895-96	Outlay in 1896-97	Total	Remarks
Eastern Section	1,82,099	3,702	1,85,801	
Western Section	2,89,612	14,834	3,04,446	
Total	4,71,711	18,536	4,90,247	

R17Ks/88"
7

5

t Showing the Revenue obtained in licensing boats in the Kistna Delta from 1894-95 to 1896-97.

10

2886 K
5

357Ko
5 Aug'/87

R17Ko/98
5-2-16

	1894-95					1895-96					1896-97				
	Class	Total Number	Tonnage	Number of passengers	Amount of License	Class	Total Number	Tonnage	Number of passengers	Amount of license	Class	Total Number	Tonnage	Number of passengers	Amount of license
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
License for cargo boats	"	76	1557	"	3326	"	96	1919	"	4371	"	86	1745	"	4312
Do for passenger boats 1st class Do Do 2nd class	2nd "	17	402	981	1166	"	14	323	767	969	2nd "	13	309	682	1103
Do for Government boats		77	2001	"	5127	"	"	"	"	"	"	"	"	"	"
Do for Staff boats		10	"	"	120	"	"	"	"	"	"	"	"	"	"
Do for miscellaneous including private pleasure boats &c		"	"	"	1297	"	16	"	"	"	"	16	"	"	~~6080~~ 504
2. Toll on Cargo boats, passenger & miscellaneous		"	"	"	21260	"	"	"	"	25,438	"	"	"	"	~~15,528~~ 20110
Do on Steam Dredger															
3. Toll on Rafts		"	"	"	338	"	"	"	"	1361	"	"	"	"	~~1313~~ 1307
Total					32634					32,139					27,386
Earnings of Steamer	"	"	"	"	"	"	"	"	"	389	"	"	"	"	"
Rent from Staff boats	"	"	"	"	2227	"	"	"	"	2082	"	"	"	"	1944
Do from paddle boats &c	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Do from boat basin	"	"	"	"	125	"	"	"	"	90	"	"	"	"	145
Do of plots	"	"	"	"	2236	"	"	"	"	2031	"	"	"	"	~~401~~ 2174
License fees from Govt. floating plants	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Grand Total					37222					36731					~~30376~~ 31649

No. 84 K.

Office of the Supdg: Engineer
II Circle
Bezwada 12.1-98.

5P

From
The Superintending Engineer
II Circle

To
The Chief Engineer,
For Irrigation.

Sir,

Enc 7.

In resubmitting the Statement of Navigation Receipts and charges of the Kistna Delta System for 1896-97 duly corrected, I have the honor to explain that the difference of Rupees 1303 between Rs 31,679 as per Finance Account of the Examiner Public Works Account and Rs 30,376 as per Statements of this Office is accounted for as follows:-

Rs 1,273.	Collection on account of rents of plots in the Kistna Western Division now included.

Rs 29-12-6
or
Rs 30

Deductions on account of refunds in the Kistna Northern Division not included by this office.

I have the honor to be
Sir
Your most Obdt. Servant

Captain R.E.

Offg: Suptg: Engineer,
II Circle
8/5/98

C. Statement showing expenditure on repairs of Navigable Canals in the Kistna District 1896-97

6

	Navigation repairs – Proper						Repairs to Navigable Canals						Total of Columns 7 & 13.	Remarks
–	Lock & lock Weir repairs	Navigation Buildings	Clearing towpaths	Dredging	Miscellaneous	Total	Repairs to Canal banks	Silt clearance in Canals	Repair to Masonry works	Dredging	Miscellaneous	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kistna Eastern Delta														
1 Main Canal	2,642	82	60	"	"	2,784	"	1,728	713	"	"	2,441	5,225	
2 Ellore Canal	"	"	2570	868	"	3,438	"	12,713	6,603	"	"	19,316	22,754	
3 Masulipatam Canal	3,254	533	3,926	250	"	7,963	"	4,603	6,763	"	"	11,366	19,329	
4 Bank Canal	12	"	"	"	"	12	"	"	71	"	"	71	83	
5 Pamarru Junction Canal	"	"	55	"	"	55	"	363	430	"	"	813	868	
6. Pulleru Canal	57	1	1,450	"	"	1,508	"	10,598	277	"	"	10875	12,383	
7 Polraz Canal	458	108	2,248	"	"	2,814	"	1,728	61	"	"	1,789	4,603	
8. Bantumalli Canal	844	62	3,064	"	"	3,970	"	6,335	396	"	"	6,731	10,701	
9. Ryves Canal	"	"	1,337	"	"	1,337	"	5,559	2,570	"	"	8,129	9,466	
Total Eastern Delta	7,267	786	14,710	1,118	"	23,881	"	43,647	17,884	"	"	61,531	85,412	
Kistna Western Delta														
1 Main Canal	4,740	66	977	"	212	5,995	"	16,974	545	"	8,217	9,302	15,297	
2. Nizampatam Canal	1,453	32	1,779	"	"	3,264	851	6,729	232	"	2,356	10,168	13,432	
3 Bank Canal	866	"	1,742	"	1,062	3,670	7254	6,000	851	"	1,905	16,010	19,680	
4 Commamur Canal	2,007	24	1,859	"	459	4,349	6995	13,883	276	"	7,454	28,608	32,957	
Total Western Delta	9,066	122	6,357	"	1,733	17,278	15,100	43,686	1,904	"	3,498	64,088	81,366	
Grand Total	16,333	~~[illegible]~~ 908	21,067	1118	1733	41,159	15,100	87,233	19,788	"	3,498	125,619	166,778	

CHIEF ENGINEER
FOR IRRIGATION.
15 JAN. 1898
No. 17 KS

Ores 3
3292/38

138

Public Works (1897) Department.

IRRIGATION BRANCH.

ISSUE No. II / 205 KS

To

The Supg Engineer
2nd Circle

(Reply to letter No. , dated)

Dated 10-12-97

Despatched 13-12-97

Enclosures * 7 Statts. – all stitched together in a book form

* Particulars of Enclosures.

SUBJECT.

Statements of Navigation Receipts and Charges of the Kistna Delta System for 1896-97.
Returns the – with reference to the remarks noted therein.

Indexed

E. I. Form No. 13—2,000—1-11-97.

BACK PAPERS.

No.	Date.
P.W. 271	26-11-97

Sent to Government with No. I.,
dated 1897.
Printed with G.O., No. I.,
dated 189

REMINDERS ISSUED.

No. 1,	dated	189
„ 2	„	
„ 3	„	
„ 4	„	
„ 5	„	

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R 17 Ks	12-1-98
R 94 Ks	13-4-98

R 27 of 97
R 357 Ks/97

Copy for [illegible] 19/3/98

No. ~~II~~ 205 K.S. Memo

~~With reference to letter No. 2277 K dated 18th November 1897 from the Superg. Engineer, Second Circle, The~~ undersigned has the honour to return the statements of Navigation receipts and charges of the Kistna delta system ~~thereunder~~ forwarded with letter No. 2277 K dd 18 ult from the S.E. II Circle separately with the following remarks:—

Ex. J. Statt
(no rec book.)

(i). The receipts, Rs. 584, from licences for Miscellaneous boats entered in the Comparative statement do not agree with the amount, Rs. 504, shown in Statement A. ~~If the former amount be correct, the sum representing the total receipts in the former statement requires alteration.~~

(ii). The total navigation receipts for 1896-97 shown in the Supg. Engr's statements, viz. Rs. 30,376, do not correspond with the amount, Rs. 31,679, entered in the Finance Accounts of the Examiner of P.W. Accounts in accordance with ~~vide~~ para 2 of G.O. No. 534-I, dated 1st November 1889.

2. His

R 271/97

2. It is requested that the statements, duly corrected, may be re~~submitted at an early date, together~~ ~~with explanation of the cause of the~~ decreases & increases in the several items of receipts & charges as compared with the figures of the previous year.

~~deficit of Rs 78,556 in the Navigation receipts and charges account for 1896-97 of the Kistna delta system.~~

To
The Supdg. Engineer, Second Circle.

7/12/97

Ocs.5 / 3752/58

Public Works (1897) Department.

CURRENT No. 271

Order

From C

No. 3728 B/B.

Dated 26—11—97

Received 29—Do

Enclosures 8

Spare copies

SUBJECT.

Statements of navigation receipts & charges for 1896-97 — Kistna Delta System — returns duly verified & with remarks —

Draft disposal for approval.

5/12/97

29/11

29/11/97

F. E. I.

1/12/97

1/12/97

BACK PAPERS.

No.	Date.
9343 D	23-11-97

FURTHER PAPERS.

No.	Date.
I 205 Ks	10-12-97
R 17 Ks	12-1-98
R 94 Ks	13-4-98

E. No. 27.
1,000—6-9-97.

KEEP-WITH CURRENT No.

dated 189 .

GOVT. OF MADRAS. 1897. P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

3P

Madras, 26th November 1897.

OFFICE NOTE No. 3728 B/B

CHIEF ENGINEER FOR IRRIGATION.
29 NOV. 1897
No. 271

To

E. I.

Your O. N. No. 343 dated 22nd November 1897.

The following items of receipts for 1896-97 shewn in the Comparative statement and in Statements A & B have been varified.

License fees for Cargo boats	Rs	4,362/-
Do. passenger	"	1,103/-
Rent for Staff boats	"	1,944/-
Do. boat basin	"	145/-
Do. plots	"	2,174/-

2. The remaining items in these statements, as well as those in Statements C & C(1) and A(1) are not susceptible of check in this office.

3. According to the Divisional Accounts for 1896-97 the total navigation receipts amount to Rs 31,649/- as shewn in the margin + and not to Rs 30,376 as entered in the Statements.

+

	Rs
Kistna Northern	20,171
" Eastern	5,653
" Western	5,855
Total	31,679
Less Refunds of Revenue	30
net total	31,649

4. The figures for the years 1893-94, 1894-95 and 1895-96 have already been varified, and the result reported when the Statements

pertaining

ACK PA

pertaining to those years were sent to this office for check.

Rl (26.11.97)
For C.

Encls: 1

26/11/97

3252/58
F.5.79

B

Public Works (1897) Department.

EXAMINED
P. W. ACCOUNTS.
23 NOV 1897
No.

CURRENT No. 357 K.S.

CHIEF ENGINEER
FOR IRRIGATION.
29 NOV. 1897
No. ~~271~~ 1

2p

Urgent No 343 d/ 22.11.97

Order

To C. for verification of receipts & expenditure & early return

DEI
22/11/97

From

The Superintending Engineer
Second Circle.

No. 2277 K

Dated 18 November 1897

Received 20 — Do —

Registered

Enclosures 7. (all stitched together in a book form)

Spare copies

SUBJECT.

Navigation receipts & Charges — Forwards — for 1896-97.

Ows. 2/3750.85

20/11/97

20/11/97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	D
R 17 Ks	12-1-98
R 94 Ks	13-4-98

EXAMINER
P. W. ACCOUNTS
23 NOV. 1897

SUPERINTENDIND ENGINEER'S OFFICE,
SECOND CIRCLE, Bezwada

No. 2277 K DATED 18 November 1897

1P

FROM,

W. C. De Morgan Esqr

Offg SUPERINTENDING ENGINEER,
II CIRCLE.

TO,

The Chief Engineer
for Irrigation.

Enclos: 7.
in one book.

SIR,

I have the honour to forward herewith Statement of Navigation receipts and charges appertaining to the Kistna Delta System for 1896-97.

I have the honour to be
Sir,
Your most Obedient Servant

W De Morgan
18/11
~~Executive Engineer~~

~~For~~ Superintending Engineer
Second Circle

D
17/11/97.

BACK PAPERS. FURTHER PAPERS.

ION.
29 NOV 1897
No. 357 Rs

CHIEF ENGINEER
FOR IRRIGATION.
29 NOV 1897
No. 271