Public Works (1898.) Department.

G.O., No. 527

DATED 19 January 1898

11/1/98

[Despatch Abstract.]

Completed Works of the Kistna Delta System and the Rushikulya Project: Authorizing the Examiner P.W. Accounts with remarks to pass the outlay incurred on the works enumerated in the statement of savings and excesses on — for 1896-97.

C. 110/6

959
18-1-98

P.W. 26.
1500—30-11-96.

Indexed

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. 52 I., 19th January 1898.

JANUARY.

Completed works of the Kistna Delta system and the Rushikulya project

Authorizing the Examiner, Public Works Accounts, with remarks, to pass the outlay incurred on the works enumerated in the statement of savings and excesses on — for 1896-97.

[illegible]

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Examiner, Public Works Accounts, dated 18th December 1897, No. 3975 B./B.

ENCLOSURE.

STATEMENT of savings and excesses on completed works, Capital Account, in 1896–97.

System.	Name of work.	Estimate.	Expenditure.	Savings or excesses.
1	2	3	4	5
		RS.	RS.	RS.
Kistna Delta system.	1. Ryves' canal—Constructing a wharf wall on the right bank ..	4,590	4,397	193
	2. Acquiring certain lands in connection with Public Works buildings at Bezwada	4,700	3,636	1,064
	3. Ellore canal—Constructing inlet at 19 miles 10 chains ..	330	317	13
	4. Do do. do. 70 do. ..	175	166	9
	5. Raising the Telaprole in and out let at 21 miles 20 chains ..	465	457	8
	6. Constructing an inlet at 25 miles 1 chain ..	370	331	39
	7. Extending inlet at 30 miles 5 furlongs 50 feet	520	512	8
	8. Constructing in and out let at 31 miles 5 chains	1,580	1,555	25
	9. Excavating Panakamad main channel	2,832	2,813	19
	10. Providing earthenware pipes to Panakamad main channel ..	230	224	6
	11. Excavating Chinnadu channel	4,954	4,941	13
	12. Do. Gogunta channel right side	210	214	— 4
	13. Head sluice to Veeravally No. II channel	1,101	1,088	13
	14. Masulipatam canal—Constructing a bridge over west side channel at Veranki	1,900	1,655	245
	15. Constructing road culvert into drop of Mallarlu left side channel	100	64	36
	16. Constructing drop No. 1 on Bhimandi channel	640	610	30
	17. Do. do. 2 do.	1,150	1,114	36
	18. Constructing road culvert at 3rd mile Bhimandi channel ..	730	727	3
	19. Do. tail escape to Agnipam B.L. ..	145	126	19
	20. Excavating Gudapadu B.L.	1,760	1,412	348
	21. Do. Kistnapuram B.L.	3,180	2,780	400
	22. Masulipatam canal—Demarcation stones to Agnipam B.L. ..	30	27	3
	23. Do. Strengthening demarcation stones ..	90	66	24
	24. Do. Alterations to Veranki lock weir ..	500	304	196
	25. Fixing miles and furlong stones along Palleru canal ..	160	237	— 77
	26. Compensation for land for Palleru straight cut ..	854	1,306	— 452
	27. Veemavaram channel improvements to sluice	500	448	52
	28. Palleru canal—Fixing demarcation stones along Motur channel	770	177	593
	29. Palleru canal—Drop and sluice for side channel at 10 miles 7 furlongs of Gudiváda channel	2,300	2,150	150
	30. Palleru canal—Excavating left side channel of Gudiváda channel from 4 miles 35 chains	325	322	3
	31. Palleru canal—Excavating right side channel of Gudiváda channel from 5 miles	274	279	— 5
	32. Palleru canal—Regulator to Butlercodu at 8 miles 4,620 feet.	399	403	— 4
	33. Do. Drop at 3 miles 3,460 feet of Mamilla Codu ..	630	600	30
	34. Do. Improvements to Butlercodu ..	1,670	1,600	70
	35. Bantimilli canal—Constructing a ramp at 1 mile 4 furlongs ..	700	732	— 32
	36. Do. Ramp at Dagamilly crossing ..	330	374	— 44
	37. Do. Constructing sluice at —	429	434	— 5
	38. Do. Stoneware pipes	100	90	10
	39. Do. Head sluice to Munipadu channel	482	490	— 8
	40. Do. Fixing demarcation stones on Mattam channel	38	18	20

Statement of savings and excesses on completed works, Capital Account, in 1896–97—*cont.*

System.	Name of work.	Estimate.	Expenditure.	Savings or excesses.
1	2	3	4	5
		RS.	RS.	RS.
Kistna Delta system—*cont.*	41. Bantimilli canal—Fixing demarcation stones at Lakshinipur channel	34	19	15
	42. Do. Fixing demarcation stones above Kalamapudi branch	42	22	20
	43. Do. Sluice to Lellabora Codu on the right bank.	390	388	2
	44. Do. Fixing demarcation stones along Pendun channel	26	14	12
	45. Do. Fixing demarcation stones along Sanagamudy channel	16	8	8
	46. Do. Fixing demarcation stones along Nalepudy channel	28	5	23
	47. Do. Fixing demarcation stones along Karlapudu channel	20	13	7
	48. Do. Fixing demarcation stones along Malapur channel	28	25	3
	49. Do. Fixing demarcation stones along Manipadu channel	50	28	22
	50. Do. Fixing demarcation stones along Bantimilli channel	32	17	15
	51. Do. Fixing demarcation stones along Ramanamudy channel	46	26	20
	52. Do. Fixing demarcation stones along Charranpudy channel	85	48	37
	53. Polraz canal—Excavating Lingula channel	2,630	2,588	42
	54. Do. Kykalur channel No. 6 sluice in left bank at 7 miles 4 furlongs 600 feet	207	142	65
	55. Ryves' canal—Compensation for land, Aripisala B.L. ..	1,070	1,366	— 296
	56. Do. Dokiperu affluent	140	264	— 124
	57. Do. L. S. channel from above drop No. 6 ..	273	207	66
	58. Do. Improvements to Dosapad channel head sluice.	1,820	1,851	— 31
	59. Do. Constructing head sluice to a side channel from the left bank of Dosapad channel ..	680	661	19
	60. Do. Excavating L.S. channel, Dosapad channel, from below Ariparla B.L.	443	451	— 8
	61. Do. Constructing head sluice to Ariparla Puntacodu.	390	376	14
	62. Do. Tail escape on Lingavaram channel	190	195	— 5
	63. Polraz drain—Compensation for loss of crops	1,722	1,721	1
	64. Improving and widening Kankavalli drain	4,750	3,622	1,128
	65. Excavating drain from Slur road near Chinnamukteri to Inampudi drain	800	814	— 14
	66. Peddalanka channel—Constructing a bridge on Bantimilli road at 9 miles 4 furlongs	5,800	5,644	156
	67. Do. A regulator to Kaldinki Codu across ..	2,800	2,717	83
	68. Do. Excavating	61,300	62,604	—1,304
	69. Improvements to existing Nandirazu Codu	2,750	2,824	— 74
	70. Constructing head sluice to Kaldinki channel	720	602	118
	71. Do. Mattagunta Codu right bank ..	700	721	— 21
	72. Excavating B. branch of Venur Codu right bank	1,950	1,929	21
	73. Head sluice to Kotta Codu	1,000	979	21
	74. Ellore canal—Constructing head sluice to Chattapar channel.	1,100	1,063	37
	75. Do. do. drop No. 1 on do.	450	405	45
	76. Do. do. drop No. 2 on do.	450	452	— 2
	77. Do. do. head sluice at Kakulapad channel.	883	882	1
	78. Do. do. earthenware pipes, Chatrapur channel	120	119	1
	79. Do. do. earthenware pipes, Wungatur channel	460	451	9
	80. Do. do. drop No. 3, Punukunud channel ..	320	291	29
	81. Main canal—Constructing a wharf wall 700 feet long on the right side	7,000	6,859	141
	82. Do. Constructing drainage inlet in the 4th mile ..	1,750	1,424	326
	83. Bank canal—Diversion in 7th and 8th mile near Vallabhapuram	5,450	5,311	139
	84. Commamur canal—Investing the proposed high level channel.	40	53	— 13
	85. Do. Constructing a drop at 2 miles 5 furlongs 410 feet of Malapalem branch ..	703	705	— 2
	86. Do. Constructing an outlet at 43 miles ..	4,113	4,115	— 2
	87. Do. do. sheds for lock superintendents and lascars at Kollimerla lock	2,790	2,261	529
	88. Do. Reconstructing and extending revetment ..	4,220	4,278	— 58
	89. Do. Constructing sheds for lock superintendent and four lascars at Nallamadu lock ..	2,160	1,923	237
	90. Do. Constructing sheds for lock superintendent and four lascars at Santavarur lock ..	2,610	2,378	232
	91. Do. Constructing drainage sluice No. 1 for Romperu side drain	1,990	2,058	— 68
	92. Do. Constructing drainage sluice No. 2 for Romperu side drain	3,230	2,779	453

Statement of savings and excesses on completed works, Capital Account, in 1896–97—*cont.*

System. 1	Name of work. 2	Estimate. 3	Expenditure. 4	Savings or excesses. 5
		RS.	RS.	RS.
Kistna Delta system—*cont.*	93. Commamur canal—Constructing a crossing on Tungabhadra drain at coast ward	1,900	2,431	— 531
	94. Do. Compensation for land required for excavating Romperu side channel	50	47	3
	95. Do. Constructing a masonry bridge over Santavarur side channel at Tirumasamudram crossing	1,380	1,314	66
	96. Do. Constructing a drop at 1 mile 4 furlongs of A. B. channel	560	401	159
	97. Do. Constructing a drop at 3 miles of A. B. channel	420	294	126
	98. Do. Constructing a drop at 3 miles 5 furlongs of A. B. channel	390	281	109
	99. Do. Constructing a cattle crossing at No. 2 on Kanketapalem channel	542	504	38
	100. Nizampatam canal—Constructing drop at 6 miles 4 furlongs of west side channel extension ..	650	420	230
	101. Do. Constructing drop at 8 miles of west side channel extension	540	329	211
	102. Do. Constructing bridge at Tommalu ..	3,430	3,090	340
	103. Do. Fixing demarcation stones for west side channel	330	184	146
	104. Do. Alterations to the existing calingula at 18 miles 4 furlongs 250 feet ..	80	44	36
	105. Do. Constructing head sluice of west side B. L. channel	440	411	29
	106. Do. Fixing demarcation stones for B.L. channel along west side channel extension	140	55	85
	107. Do. Alterations to the existing calingula at 5 miles	60	14	46
	108. Do. Alterations to the existing calingula at 9 miles 1½ furlongs	100	28	72
	109. Bank canal—Constructing head sluice at Kollur side and Varahapuram channel	2,250	2,215	35
	110. Nizampatam canal—Cutting the approach of Nakkavagu straight cut to the aqueduct in the Commamur canal at 19 miles 4 furlongs.	760	693	67
	111. Bank canal—Constructing a drop at 6 furlongs of Aravapalli channel	410	292	118
	112. Do. Constructing a drop at 330 feet of proposed channel at 44 miles 4 furlongs 330 feet ..	470	475	— 5
	113. Do. Constructing a drop at 330 feet from head of proposed channel at 45 miles 2 furlongs 310 feet	540	445	95
	114. Do. Constructing a drop at 3½ feet from head of Venkamma's channel	290	298	— 8
	115. Masulipatam canal—Main channel, earthenware pipes ..	120	119	1
	116. Do. Duggerilla left side channel, earthenware pipes	120	119	1
	117. Do. Head sluice, earthenware pipes ..	200	202	— 2
	118. Do. do. Managen Codu left side channel, tail escape ..	110	118	— 8
	119. Do. do. Mullavole left side channel.	80	82	— 2
	120. Ellore canal—Gogunta channel, fixing earthenware pipes on Gogunta right side channel	80	79	1
	121. Do. Veeravally channel No. 2, excavation ..	1,070	1,024	46
	122. Do. Wulthur right side channel, extension compensation	210	626	— 416
	123. Do. Cheravadu channel head sluice	1,362	1,284	78
	124. Do. do. drop No. 1	685	602	83
	125. Do. do. do. 2	570	541	29
	126. Do. do. do. 3	430	376	54
	127. Do. do. do. 4	450	379	71
	128. Do. Wungatur main channel, head sluice ..	2,340	2,336	4
	129. Do. do. drop No. 1 ..	600	595	5
	130. Do. do. do. 2 ..	350	346	4
	131. Do. Wungatur left side channel, fixing earthenware pipe	140	134	6
	132. Do. Veeravally channel No. 2, laid escape ..	181	184	— 3
	123. Do. Wungatur right side channel, fixing earthenware pipes	70	66	4
	134. Do. Porukumudi left side channel, fixing earthenware pipes	100	91	9
	135. Do. Wungatur right side channel, fixing demarcation stones	10	8	2
	Total ..	2,00,024	1,93,468	6,556

Statement of savings and excesses on completed works, Capital Account, in 1896–97—*cont.*

System. 1	Name of work. 2	Estimate. 3	Expenditure. 4	Savings or excesses. 5
		RS.	RS.	RS.
	Tools and plant.			
	Purchasing plant and machinery	7,230	7,403	— 173
Rushikulya project.	Masonry outlet at 1⅜ mile gallery channel	960	736	224
	Compensation for land for the diversion of Kallianba nallah ..	1,000	404	596
	Total ..	1,960	1,140	820

(Signed) E. A. WALLER, Major, R.E.,
Offg. Examiner, Public Works Accounts, Madras.

No. 7 I.

Note by the Chief Engineer for Irrigation.

With the above office-note, the Examiner of Public Works Accounts submits a statement of savings and excesses on completed works of the Kistna Delta system and the Rushikulya project for 1896–97. The outlay incurred on the works detailed in the statement may be passed.

Of the net saving of Rs. 6,556 realized on completed works of the former system, Rs. 3,860 have already been appropriated to meet excesses incurred on the works noted in Proceedings of Madras Government, Nos. 31 I. and 54 I., dated 11th and 19th January 1898, respectively, leaving a balance of Rs. 2,696 still available.

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

4th January 1898.

ORDER—No. 52 I., dated 19th January 1898.

The Examiner of Public Works Accounts is authorized to pass the outlay incurred on the works enumerated in the foregoing statement, the excess of Rs. 173 under Tools and Plant being met from the balance of the amount reserved for tools and plant required for the Kistna Delta system which will then be reduced to Rs. 4,432.

2. This sanction is registered as No. 153 I. of 1897–98.

3. The savings realized under *Works* will be credited to the balances available for unforeseen works of the respective systems which will then stand as shown below:—

	RS.
Kistna delta system	2,696
Rushikulya project	41,639

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, I Circle.
„ „ „ II „
„ Examiner of Public Works Accounts.

Exd. A. F. Eccleston.

Public Works (1898) Department.

CURRENT No. 425

Order

From Chief Engineer for Irrign.

No. 7 I

Dated 4 January 1898

Received 18.1.98

Enclosures 3

Spare copies

SUBJECT.

Statement of savings and excesses on Completed works of the Kistna Delta System and the Rushikulya Project for 1896 97. Note submitting with remarks the —

Excess

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

His Excellency the Governor.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Statements of savings and excesses on completed works of the Kistna Delta System and the Rushikulya Project for 1896-97

Print 1st. Quote and print. Stat

From the Examiner, P. W. Accts - (H. E. No. 3975 B/B d/18. 12. 97)

Note by the Chief Engineer for Irrigation - - - - - - } (H. E. No 7. I d/ 4th Jany 1898)

Irrigation Act

With the above office Note, the Examiner of P. W. Accts submits a statement of savings and excesses on completed works of the Kistna delta System and the Rushikulya Project for 1896-97. The outlay incurred on the works detailed in the statement may be passed.

Of the net saving of Rs 6556 realized on completed works of the former system, Rs 3860 have already been appropriated to meet excesses incurred on the works noted in P. M. G. No 31 - I and No 54 - I dated 11th & 19th January 1898 respectively, leaving a balance of Rs 2696 still available.

G.O. in E.D. note No 2 - I d/5/1/98 } put in circulation

Issue

DJ 15/1/98

15/1/98

No 52 I d/ 19-1-98

Order thereon

The Examiner of Public Works Accounts is authorized to pass the outlay incurred on the works enumerated in the foregoing statement, the

Excess

Excess of Rs 173 under Tools and Plant being met from the balance of the amount reserved for Tools & Plant required for the Kistna delta system which will then be reduced to Rs 4432

2. This sanction is registered as No 153 I. of 1897–98.

3. The savings realized under works will be credited to the balances available for unforeseen works of the respective systems which will then stand as shown below:-

Kistna delta System – Rs 2696
Rushikuliya Project – 41,639

6.1.98 W.H.

× will be filled in before issue
Balance this day is Rs 4605

J.H.
8.1.98

will be filled in before issue.
Balance this day is Rs 40819

Regd. 20/1/98

F.E.I. 18.1.98

To
The Chief Engineer for Irrign
" Supg Engineer 1st Circle
" —do— 2d —do—
" Exr of P.W. Accts.

E I. Form No 1–1,000 -27-11-96.

10

H.E 7.1.98 RH 10.1.98

Public Works (1897) Department.

CURRENT No. 296

Order

From C

No. 3975 B/B.

Dated 18th Decr/97.
Received 20 — Do /97
Enclosures 2.
Spare copies

SUBJECT.

Statt: of Savings and excesses on completed works & tools & plant connected with Irrign & Navign: systems for the year 1896–97 — & forwards

F.E.I.

20/12/97

BACK PAPERS.

No.	Date.
R365-KS	23-11-97
1353 d/	4-12-97

FURTHER PAPERS.

No.	Date.

Statement of Savings and excesses on
in 1896-1897

tem	Name of Work	Estimate	Expenditure	Savings or Excesses
1	2	3	4	5
Delta System	Ayres canal - Constructing a wharf wall on the right bank	4,590	4,397	193
1	Acquiring certain lands in connection with P. W. Buildings at Bezwada	4,700	3,626	1,064
5-KS/97 2	Ellore Canal - Constructing inlet at 19m 10ch.	330	317	13
3	- Do - Do - at 19m 70ch	175	166	9
4	Raising the Telaprole in and outlet at 21m 20ch	465	457	8
5	Constructing an inlet at 25m 1ch	370	331	39
6	Extending inlet at 30m 5 fur 50ft	520	512	8
7	Constructing in & outlet at 31m 5ch	1,580	1,555	25
8	Excavating Sanakamad main channel	2,832	2,813	19
9	Providing earthern warepipes to - Do -	230	224	6
10	Excavating Chinnadu channel	4,954	4,941	13
11	Excavating Goguntа channel Rt side	210	214	-4
12	Head sluice to Veeravally No II channel	1,101	1,088	13
13	Masulipatam Canal - Constructing a bridge over West side channel at Viranki - - -	1,900	1,655	245
R365-KS/97 14	Constructing road culvert into drop of Madarlu L.S. Chl.	100	64	36
15	Constructing drop No 1 on Bhimandi channel	640	610	30
16	- Do - No 2 - Do -	1,150	1,114	36
17	- Do - road culvert at 3rd mile - Do -	730	727	3
18	- Do - tail escape to Agnipam B. L. - -	145	126	19
~~R-365-KS/97~~ 19	Excavating Gudapadu B. L.	1,760	1,412	348
20	Excavating Kotnapuram B. L. - -	3,150	2,780	400
21	Masulipatam Canal - Demarkation Stones to Agnipam B. L. - - -	30	27	3
22	- Do - Strengthening Demarkation Stones	90	66	24
23	- Do - Alterations to Viranki lock weir	500	304	196
24	Fixing miles & furlong stones along Sallem Canal	160	237	- 77
25	Compensation for land for Sallem Straight-cut	854	1,306	- 45
26	Veeramavaram channel Improvements to Sluice	500	448	52
~~R-365-KS/97~~ 27	Sallem Canal. Fixing demarkation Stones along ~~North~~ Molur channel -	770	177	593
	Carried over	34,566	31,704	2,86

8#

30 #9

BAC
No.
R365-
1353

System 1		Name of Work 2	Estimate 3	Expenditure 4	
Kistna Delta System		Brought over	34,566	31,704	
	29	Pallern Canal – Drop & Sluice for side channel at 10 m 7 fur. of Gudivada channel	2300	2,100	
	30	– Do – Excavating L.S. channel of Gudivada – Do – from 4 m 35 ch	325	322	
	31	Do Do – R.S. channel of Do. from 5 m	274	279	
	32	Do Regulator to Buller Codu at 8 m 4620 ft	399	403	
	33	Do Drop at 3 m 3460 feet of Mamella Codu	630	600	
	34	Do Improvement to Buller Codu	1,670	1,600	
	35	Bantumilli Canal – Constructing a ramp at 1 m 4 fur	700	732	
	36	Do ramp at Dagamilly Crossing	330	374	
	37	Do. Constructing sluice at –	229	434	
	38	Do. Stone ware pipes	100	90	
	39	Do Head sluice to Munipadu Channel	482	490	
	40	Do Fixing demarcation stones on Mattem Channel	38	18	
	41	Do – Do – Do at Lakshmipur channel	34	19	
	42	Do – Do – Do. above Kalamapady branch	42	22	
	43	Do. Sluice to Lellabora Kodu on the Rt. bank	390	358	
	44	Do Fixing demarcation stones along Pendun channel	26	14	
	45	Do – Do – Sanagamudy channel	16	8	
	46	Do – Do – Nalepudy channel	28	5	
	47	Do – Do – Karlapudu channel	20	13	
	48	Do – Do – Malapur channel	28	25	
	49	Do – Do – Manipadu channel	50	28	
	50	Do – Do Bantimilly channel	32	17	
	51	Do Do Ramanamudy channel	46	26	
	52	Do Do Charanpudy channel	85	46	
	53	Blraz Canal – Excavating Lingula channel	2,630	2,588	42
	54	– Do – Kykalur channel No. 6 Sluice in L.B. at 7 m 4 fur 600 ft.	207	142	65
		Carried over	45,877	42,539	3,338

System		Name of Work	Estimate	Expenditure 4	Savings or Excesses
		Brought over	45,877	42,539	3338
Kistna Delta System	55	Ryves Canal – Compensation for land – Kripisala – B.L.	1,070	1,366	– 296
	56	Do – Dokipere affluent –	140	264	– 124
	57	Do L.S. channel from above drop No. 6	273	207	66
	58	Do Improvements to Dosapad Channel Head Sluice	1,820	1,851	– 31
	59	Do Constructing Head Sluice to side Chl. from the left bank of Dosapad Channel	680	661	19
	60	Do Excavating L.S. Channel Dosapad channel from below Kriparla B.L.	443	451	– 8
	61	Do Constructing Head Sluice to Kriparla punta Codu	390	376	14
	62	Do. Tail escape on Lingavaram channel	190	195	– 5
	63	Blraz drain – Compensation of loss of crops	1,722	1,721	1
	64	Improving & widening Kankavalli drain	4,750	3,622	1,128
	65	Excavating drain from Elur road near Chinna Mukteri to Inampudi drain	800	814	– 14
	66	Peddalanka channel – Constructing a bridge on Bantumilli Road at 9 m 4 fur	5,800	5,644	156
	67	Do – A regulator to Kaldinki Codu across	2,800	2,717	83
	68	Do – Excavating	61,300	62,604	– 1,304
	69	Improvements to existing Nandiraju Codu	2,750	2,824	– 74
	70	Constructing Head Sluice to Kaldinki channel	720	602	118
	71	Do – Do – Mattagunta Codu right bank	700	721	– 21
	72	Excavating B. branch of Venurkodu R.B	1,950	1,929	21
	73	Head Sluice to Kotta Codu	1,000	979	21
	74	Ellore Canal – Constructing Head Sluice to Chattapur channel	1,100	1,063	37
	75	Do – Do – Drop No. 1 on – Do –	450	405	45
	76	Do – Do – No. 2 Do –	450	452	– 2
	77	Do – Do Head Sluice at Kakulapad Chl.	885	882	1
	78	Do – Do. Earthenware pipes Chatapur channel	120	119	1
	79	Do – Do – Do – Wungatur – Do –	460	451	9
	80	Do – Do. drop No. 3 Pumukunud – Channel	320	291	29
		Carried over	1,38,958	1,35,750	3,208

8 #

30 #2

	System	Name of Work	Estimate	Expenditure	Sa Ex
	Kistna Delta System	Brought over	1,38,958	1,35,750	
81		Main Canal – Constructing a Wharf Wall 700 feet long on the right side	7,000	6,859	
82		Do – Do. drainage inlet in the 4th mile	1,750	1,424	
83		Bank Canal – Diversion in 7th & 8th mile near Vallabhapuram	5,450	5,311	
84		Commamur Canal – Investing the proposed high level channel	40	53	
85		Do – Constructing a drop at 2 m 5 fur 410 ft of Malapalem branch	703	705	
86		Do – Do – an outlet at 43 m.	4,113	4,115	
87		Do – Do. Sheds for lock Superintendent and lascars at Kolimerla lock	2,790	2,261	529
88		Do – reconstructing & extending revetment	4,220	4,278	– 58
89		Do – Constructing Sheds for lock Superintendent & 4 lascars at Nallamadu lock	2,160	1,923	237
90		Do – Do – Do – at Santavarur lock	2,610	2,378	232
91	~~R.371-VS/9/12~~	Do – Constructing drainage Sluice No. 1 for Romperu side drain	1,990	2,058	– 68
92		Do – Do – Do – No. 2 – Do –	3,230	2,777	453
93	~~R.365.15/9/14~~	Do – Do – a crossing on Tungabadra drain at Coast ward	1,900	2,431	– 531
94		Do Compensation for land required for excavating Romperu side channel	50	47	3
95		Commamur Canal – Constructing a masonry bridge over Santavarur side channel at Tirumalasamudram crossing	1,380	1,314	66
96		Do – Constructing a drop at 1 m 4 fur of K.B. channel	560	401	159
97		Do – Do – Do. at 3 m of – Do –	420	294	126
98		Do – Do – Do – at 3 m 5 fur of Do –	390	281	109
99		Do Do a cattle crossing at No. 2 on Kankelapalem channel	542	504	38
100		Nizampalam Canal – Constructing drop at 6/4 m of West side channel extension	650	420	23
101		Do – Do – at 8/8 m of – Do –	540	329	211
102		Do – Do. Bridge at Tommalu	3,430	3,090	34
103		Do – Fixing demarcation stones for West side channel	330	84	

	System	Name of Work	Estimate	Expenditure	Savings or Excesses
	Kistna Delta System	Brought over	185,206	179,187	6,019
104		Nizampalam Canal – Alterations to the existing Calingula at 18 m 4 fur 250 feet	80	44	36
105		Do. Constructing Head Sluice of West side B.L. channel	440	411	29
106		Do Fixing demarcation stones for B.L. channel along West side chl. extension	140	55	85
107		Do Alterations to the existing Calingula at 5/8 m	60	14	46
108		Do – Do – Do – at 9 m 1½ fur	100	28	72
109		Bank Canal. Constructing Head Sluice at Kolleru side & Varahapuram channel	2,250	2,215	35
110		Nizampalam Canal. Cutting the approach of Nakkavagu straight cut to the acqueduct in the Commamur canal at 19/4 m	760	693	67
111		Bank Canal – Constructing a drop at 0/6 m of Aravapalli chl.	410	292	118
112		– Do – – Do – at 330 ft of proposed channel at 44 m 4 fur 330 feet	470	475	– 5
113		– Do. Constructing a drop at 330 ft from head of proposed chl. at 45 m 2 fur 310 feet	540	445	95
114		– Do. – Do. – Do – at 3½ ft from head of Venkammas channel	290	298	– 8
115		Masulipatam Canal – Main channel earthernware pipes	120	119	1
116		Do – Duggenlla left side channel – Do –	120	119	1
117		Do. Head Sluice – Do –	200	202	– 2
118		Do – Do – Manager Code left side channel tail escape	110	118	– 8
119		Do – Do – Do – Mullavole left side channel	80	82	– 2
120		Ellore Canal – Gogunta channel fixing earthernware pipes on Gogunta right side channel	80	79	1
121		Do – Veeravally channel No. 2 Excavation	1,070	1,024	46
122		Do – Walther right side channel extension Compensation	210	626	– 416
		Carried over	192,736	186,526	6,210

4

No. 2/12/81

Systems		Name of Work	Estimate	Expenditure	Savings or Excesses
Kistna Delta System		Brought Over	192,736	186,526	6210
	123	Ellore Canal - Cheravadu Channel Head Sluice	1,362	1,284 ✓	78
	124	- Do - Do - Drop No. 1	685	602 ✓	83
	125	- Do - Do Drop No. 2	570	541 ✓	29
	126	Do Do Drop No. 3	430	376 ✓	54
	127	Do Do Drop No. 4	450	379 ✓	71
	128	Do Wungalur main channel Head Sluice	2,340	2,336	4
	129	Do Do - Drop No. 1	600	595	5
	130	Do Do - Drop No. 2	350	346	4
	131	Do Do left side channel fixing earthenware pipes	140	134	6
	132	Do Veeravally channel No. 2 tail escape	181	184	-3
	133	Do Wungalur right side channel fixing earthenware pipes	70	66	4
	134	Do Porukumudi left side channel Do.	100	91	9
	135	Do. Wungalur Rt side channel fixing demarcation stones	10	8	2
		Total	2,00,024	1,93,468	6,556
		Tools and Plant			
		Purchasing Plant & Machinery	7,230	7,403	-173

System	Name of Work	Estimate	Expenditure	Savings or Excesses
[illegible]kalya Project	Masonry outlet at $1\frac{3}{8}$ M Gallery channel	960	736	224
	Compensation for land for the diversion of Kathamba Nallah	1,000	404	596
	Total	1,960	1,140	820

E.W.Walley Major R.E.

Offg: Examiner P.W. Accounts, Madras

18-12-97

Systems

Kistna Delta System

CHIEF ENGINEER FOR IRRIGATION.
21 DEC. 1897
No. 296
2

E. I. Form No. 22—2,000—8-8-96.

EXAMINER, P. W. ACCOUNTS.
6 - DEC. 1897

(1)

CHIEF ENGINEER FOR IRRIGATION.
21 DEC. 1897
No. 296
1

KEEP-WITH.

No. , dated 189 .

B

Ent Reg 7/12 AW 6/12/97

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

CHIEF ENGINEER FOR IRRIGATION.

not to print

Madras, 4 December 1897.

OFFICE NOTE No. 353

Circulation Register.

To	From	Despatch Date.	Receipt Date.
C	E. I.		

Please expedite the transmission of the statement of savings and excesses on completed works and Tools & plant connected with Irrigation and Navigation systems referred to in my office note No. 346 dated 22d November 1897.

for E. I.
6/12/97

2/12/97

Ow62 / 425/98

E. No. 37.
1,000—6-9-97.

KEEP-WITH

CURRENT No.

dated 189 .

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

EXAMINER, P. W. ACCOUNTS.

Madras, 18th December 1897.

OFFICE NOTE No. 3975 B/B

To

E. I.

Your O. N. No. 353 dated 4th December 1897

Herewith the statement of savings and excesses on completed works and Tools and Plant connected with Irrigation and Navigation systems for the year 1896-97.

EW 18/12/97
Offg: C.

Enclo. 2

18.12.97

CHIEF ENGINEER
FOR IRRIGATION.
21 DEC. 1897
No. 296.

[illegible]

C.F. 73.

DEPARTMENT.

Paper taken out of the Records from the charge of the Referencer.

Press / Miscellaneous / Routine No. 53, dated 19-1- ~~193~~ 1898

Date taken out.	For what purpose.			Initials of clerk taking the paper or of attender.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			
2 -10-37	mgko B III	12329	/37		12/12/38	
17-3-39	III	3073	/39		7/12/39	

63/84 / 2754 / R.H. /189

30-7-01

S
illi
Trum
the
a f
lette
about
East
the co
and H