Public Works (1899) Department.

G.O., No. 483

DATED 12 June 1899.

[Despatch Abstract.]

Head Sluice to Kola Punta Kalva

Authorising the Examiner to pass the expenditure of Rs 724 incurred in excess of the Sanctioned estimate for constructing a ——, Nellore Dt.

J.E.J.

[P. W. 2 3,000—22-3-99.]

Indexed. 14/6

BACK PAPERS.

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

FURTHER PAPERS.

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

Public Works (1899) Department.

CURRENT No. 4583

From The Chief Engineer for Irrigation

Order

No. 1170

Dated 31st May 99

Received 8.6.99.

Registered 8.6.99.

Enclosures 13.

Spare copies.

J.E.D.

SUBJECT.

Excess expenditure incurred on the Construction of Head sluice to Kotapunta Kalwa - Date recommending with remarks for sanction the —

S/

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Excess Expenditure on the head sluice to Kota Punta Kalva

READ the following

From the Supg. Engineer 2d Circle - No 86. I. dated 6th March 1899
To - Exr of P. W. Accts - 95 " 8th — do —
From - - do - - - - 845 B/ef " 15 — do —
To L. L. Wickham Esqre - 15. W L " 19th April 1899
From Supg. Engr 2d Circle - 153. I. " 5th May 1899
From Supg. Engr 6th Circle - 199. E. I. " 20th May 1899

Note by the Chief Engineer for Irrigation - - - - - - - No 117 I - 31st May 1899.

Hay Fr

In G.O. No 400. I. dated 7th May 1896 an estimate of Rs 3,530 was sanctioned for constructing a head sluice to Kota Punta Kalva in the Nellore Division. The Supg. Engineer, 2d Circle, now reports the completion of the work at an increased cost of Rs 4,424. The reasons for the excess of Rs 723 incurred in the execution of this work seem to be chiefly two

Hay D.

(a) that although the work was sanctioned in May 1896 the construction of the work extended into the irrigation season of

Issue

W.H.

5.699

I

1897

1897 when it became necessary to excavate a diversion channel to allow irrigation to go on. The estimate did not allow for this probably intending the work to be constructed during the non irrigation months.

(b) the estimator allowed Rs 260 for the shutters whereas the amount spent in the workshops was Rs 538.

2. The Supg. Engineer in his endorsement № 86.S. dated 6th March 1899 read above attributed the first of these Excesses to the work not having been started till July 1897 & Mr Wickham who was Executive Engineer having been asked to furnish the reason for the delay, reports that the work was started before he took charge of the Division that is before February 1897. He also reports that a revised estimate was made but he does not give any explanation as to why provision was not made in this revised estimate for the extra excavation found necessary

Flag I

Flag G

In the circumstances stated the excess may be passed but the Executive Engineer's explanation is not considered satisfactory.

Not satisfactory. A.S.H.

No: 483 Dy 12.6.99. Order thereon

A.S.H. 26.99

The Examiner of P.W. Accounts is authorized to pass the Excess of Rs 724 incurred on the work referred to.

2. This sanction is registered as № 19 of 1899–1900.

30/5 99.

WH 31.5.99

To
The Chief Engineer for Irrigation
" Supg. Engr. 2 Circle,
" Exr of P.W. Accts
" L. L. Wickham Esq. Ex Engr.

√ D 13/11/99

BACK PAPER

E. I. Form No. 1 (a)—250—1-11-97.

Public Works (1899) Department.

CURRENT No. 34 NL

From The Superintending Engineer
Vizagapatam

Order
GI

No. 194 E. 9

Draft with G.I. amended in pencil -
DB
29/5
99

Dated 20-5-99

Received } 22.V.99
Registered }

Enclosures 4.

Spare copies

SUBJECT.

Forwards explanation from Mr L. L Wickham Ex. Engr. Nagapatam Dn. about the cause of delay in the construction of No 2 Sluice to the Kotta Pontaadon (Nellore Dt)

Vizag 8.9

Mahr 5/5/99

Mahr 25/5/99

DB 25/5/99

BACK PAPERS.

No.	Date.
1582	19-4-99
664	15-3-99
3182	5-5-99
1053	16-5-99

FURTHER PAPE

No.	Date

Copy of letter from [illegible] Esquire, Executive Engineer, Nagapat[illegible], to the Supdtg. Engineer, 5 Circle [illegible] dated 11th May 1899:—

Reference your N[illegible] dated 3 May 1899 on Irrigation Chief Engineer's Memo No. 15 NL 19.4.99.

C
FO[illegible]ATION.
22 MAY. 1899
34 NL

I have the honour to report that the sluice was commenced before I took over charge of the Division and I think it will be found that it was commenced before January 1897 but the 1st. payments were made in July.

It will also be found that there was a revised estimate and the original provision for baling was reduced.

The revised estimate was I believe made on finding that the nature of the foundation was not as expected.

I have not file with me. So I cannot write with any certainty.

No 199 E.I
20.5.99

Enclosures 4

To the Chief Engineer for Irrigation with reference to his No 15 N.L. dated 19th April 1899, the four papers received with which are herewith returned.

[signature]
Colonel R.E.
Supg. Engineer, 5 Circle

16.5.99

BACK PAPERS

SUPERINTENDING ENGINEER'S OFFICE
No.....
APR. 1899
P.W.

ENG... E
IRRIGATION
2 MAY. 1899
34 N

Letter from the Superintending Engineer II circle. to the Divisional officer, Nellore, dated 6th Decr 1898

No — 53. C

I have the honour to return herewith the completion report for constructing a Lead sluice to the Kota Pantu Calva forward-ed with your No. 59, dated 13 10/98 as the explanations given for the savings and excesses are unsatisfactory.

2. If you can give proper ex-
-planations please do so.

3. It appears from the Progress report for this work that materials for the work to the value of Rs 1,987 were collected to the end of March 1897 as the amount of the estimate is only Rs 3,700 the whole of the materials must have been col-
-lected yet the work is not started until July a most extraordinary time for starting a work prac-
-tically in the bed of a river. It was your duty to see that this work was started in proper time, your not having done so

has

has lead to increased expenditure in baling, digging a diversion channel &c.

True copy

Sd/ J. Hannan
Supdg Engineer II Circle

(True copy)

Manager
Office after Chief Engineer for Irrigation

Letter from Dr. R. Ry. R. A. Sreene-vasa Iyengar avlegal, Raisahib B.A., B.L. Executive Engineer, Nellore to the Superintending Engineer, Second circle, dated 27th February 1899, No—151 R.C.

—

With reference to your No. 53C, dated 6th December 1898, I have the honour to submit the completion report for constructing a headsluice to the Kota Panta Calva with full explanations for the savings and excesses therein given.

—

No—86-J, dated 6th March 1899

Copy forwarded to the Chief Engineer for Irrigation with the following remarks.

The principal excesses are on items 10. 11 & 12. The excess on 10 is due to careless estimating and on 11 and 12 mostly if not entirely due to the work not having been built at the proper time Vide copy of this office letter No. 53C dated 6-12-98. The work being founded on rocky soil from 2½ to 3 feet below bed of channel, the expenditure on baling and on

Encs 3.
Completion report.
Explanation sheet.
Copy of S/O letter No 53C 6.12.98

Desc. 2
4 S-83/55

...on foundation is unreasonable.
... Code rules were disregarded
...in not submitting a revised estimate
when it was seen that the estimate
would be exceeded

1st J. Hannan
Dupy Engr. II Circle.

True copy

...Manager
Office of the Chief Engineer
for Irrigation

P.W.D. 3
1683/55

P. W. D. Form No. 45A.

EXAMINER, P. W. ACCOUNTS. 13 MAR. 1899

22 MAY 1899

NOTES.

Reference to P. W. D. Code.

...I, Chapter III, para. 80; and Chapter IX, paras. 38 to 41 and 43.

...his form should be submitted to the Examiner with the ... of the month in which the work is reported to be com... It is only intended to be used for works, the outlay on ... recorded by sub-heads or items of work and which have ... the sanctioned estimate by more than 5 *per cent.*

...hen work has been executed for the Civil or Military de..., the countersignature of the Civil or Military authority ...d should be obtained to the form of Certificate, (Form ... or 45D.), and the Certificate should be attached to the ...ion report.

...he entries in the Completion report must accord with the ...entries in the Register of Works, and the last Schedule ...submitted to the Examiner.

...n the case of contribution works, proposals should be sub... ...s to the disposal of the unexpended balance, if any.

...es of Engineers and Subordinates by whom the work was ...ed, giving the dates of their several incumbencies, i... ...tes of taking and making overcharge in connection there...

Names.	Period of Incumbency. From	To
N. Reid Esquire Exc. Engr.	Sept/96.	January/97
Arokyasami Asst. Engr.	January/97	Febry/97
L. Wickham Esqr. Asst. Engr.	Febry/97	to date
Arokyasami Exc. Engr.	Febry/96	April/97
G. Wickham Esqr. Exc. Engr. in ch of stores	April/97	Aug/97
Mr. V. T. Srinivasa Iyengr Supr. Gde	Aug/97	March/98.

Explanation of Differences.

...Gingarvelu Mudr. overseer Sept/96. July/97

...Raja gopalsamy Mudr. overseer Aug/97 Nov/97.

Mr. V. T. Srinivasa Iyengar Supr. Nov/97 ...dec

16 MAR 1899
2/64

1/2082

Completion report of Original works and Special Repairs.

APR. 1899

Division— Nellore

Name of work— Constg. Hd. Sluice to Kota Ranta Kalva.

Amount of estimate—Rs.		3700
Expenditure	"	4424
Difference	"	724
Percentage of excess (if any)—		20.

Date of commencement— September/96

Date of completion— February/98.

Record plan No.—

~~Typ~~ Typ Register Note for transmission to

Forwarded to the Examiner, P. W. Accounts, ... for verification, as this Office No. ..., dated ... 189 .

Documents accompanying.

...
Executive Engineer,
Nellore *Division.*

Transmitted to the Superintending Engineer, ... Circle, duly verified as this Office No. ..., dated ... 189 .

Examiner, P. W. Accounts.

Transmitted to ... for record as this Office No. ..., dated ... 189 .

Superintending Engineer.

* Here note "Completion certificate" granted by the Civil or Military authority concerned, report, specification, drawing and of detail quantities, when necessary.

C. G. P—No. 240 P W—22-12-97—6,000.

P. W. D. Form No. 45A.

Name of work— Construg. Hd. Sluice to Kota Panta Kalv
Fund— 43 Minor Works of Navigation. Wks for wh. neither cap. nor
Departmental head— Original works Major
Service head—
Main head of classification—
Sub-head of classification—
Arm of the service—
Reference to last schedule docket submitted—No. , for the month of September 1898.
Authority— G.O. No 1095 of 2-5-96 Estimate Rs 3700

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
1 Concrete in Surki mortar	58.30	12-0-0	722	37.15	11-9-0	439-7-2	21.15	...	285-3-2	
2 Cut laterite in Surki do	75.77	9-0-0	18-0-0	78.54	15-0-0	1477-3-3	-	-	206-4-1	
3 Laterite arch work in do do	8.23	21-0-0	179	8.23	21-0-0	170-11-3	-	-	8-4-3	
4 Rough stone apron in Surki mortar	7.00	4-0-0	328	78.01	4-7-0	348-3-3	-	-	20-3-3	
5 Gravel backing	19.70	0-9-0	11	39.00	0-8-0	21-8-6	-	-	10-14-6	
6 Cut granite stone work	97	2-0-0	194	97	1-14-0	194-14-0	-	-	80-3-6	
Bailing & putting in ring bund & removing & cut granite stone work.	-	-	-	-	-	40-0-0				
8 Painting with Portland cement	39.4									
9 Value of cement	37-4-3-0	1-8		7.71	1-3-0	13-7-0				
10 Screw gearing shutters complete	-	-	-	-	-	24-11-6				
11 Excavating foundations filling in.	4	65-0-0	260	4	-	958-11-0				
12 Baling	-	-	120	-	-	589-6-3				
13 Centerings	-	-	120	-	-	278-0-0				
14 Contingencies	-	-	80	-	-	30-0-0				
15 Petty supervision	-	-	68	-	-	-				
16 Removing prickly pier	-	-	-	-	-	111				
Painting with Surki mortar	-	-	-	83.30	0-2-6	13-0-3				
				3164	2-6-2	75-7-7				
		Rs. 3700.			Rs. 4423-11-11			Rs. 723-11-11		

* Excesses to be entered in red ink; Savings in black ink.

P. W. D. Form No. 45A.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
B.F.		3700			4423-11-11				723-11-11	

P. W. D. Form No. 45A.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras, overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
B-7			3700			4423-11-11				
Total ...			Rs. 3700			Rs. 4423-11-11			Rs. 723-11-11	

* Excesses to be entered in red ink; Savings in black ink.

EXAMINER, P. W. ACCOUNTS. 13 MAR. 1899

FOR EXECUTION 22 MAY 1899

SUPDG. ENGINEER'S OFFICE No. 7 APR 1899 P. W. D. SECOND CIRCLE.

SUPDG. ENGINEER'S OFFICE No. 28 MAR 1899 P. W. D. CONSTRUCTION

SUPDG. ENGINEER'S OFFICE No. 1159 APR 1899 P. W. D. SECOND CIRCLE.

Dated the 13 October 1898.

L. L. Mukhia
Executive Engineer.

[N.B.—When any considerable deviations from the original design have occurred, the report, specification, drawings and details of measurement of the work actually done, in the same form as the estimates, should accompany the Completion report.

SUPERINTENDING ENGINEER'S OFFICE No. APR. 1899 V. CIRCLE, P. W. D.

ENGINEER FOR IRRIGATION. 22 MAY 1899

Kota Panta Calva Headsluice

Explanation of differences.

Item 1. Saving of 21.15 units of concrete in Surkee mortar is due to reduction of depth in foundation. The original estimate provided 4 feet the actual depths as executed are 3 and 2½ feet for front right and left returns respectively 2' 9" for rear returns and 2½ ft. for body and rear retaining wall. The whole depth as allowed in the original estimate was not put in as rock ~~ing~~ soil was met with below.

Item 2. The increase 257 feet in this item in quantity is due to a mistake in the calculations in the sanctioned estimate. The deduction for space occupied by arch should be 2(area 2×66.4) = 266 and not 530 as allowed in the sanctioned estimate.

Item 3. Saving due to rate having been allowed to Piece worker 1½ per cent less the estimate rate.

Item

P. W.

Sub

Item 4. The revetment on the front right side had to be built up to 76 feet in length instead of 50 ft. as provided in the estimate

Item Nos 6 and 7. Excess due to baling and putting and removing ring of bund to facilitate the work of granite stone being done.

Item 8 and 9. Decrease in quantity is due to pointing with Surkhi mortar, the items for which Portland Cement pointing is provided for in original estimate. Floors have been pointed with Portland Cement.

Item 10. Increase is due to the cost of the shutter having been underestimated. The expenditure incurred is as per workshop debit advice.

Item 11. Increase is due to actual measurements caused by the excavation of a Diversion Channel 460 feet in length from river and for removing bank in old channel &c amounting to about 72 units of earthwork not allowed in the sanctioned estimate.

Item 12. The excess is due to springs in foundation.

Item 15. The actual supervising charges have been included. These ought to have been distributed to the various heads as the data allow for supervisions under each Sub head.

Item 16. Found necessary when excavating work and this item was omitted in original estimate.

Item 17. This work was done in lieu of pointing with Cement mortar estimated for in item No 8.

No 1 K. Narasimhachariar
Overseer D. P. W.

No 1 R. A. Srinivasa Aiyangar
26-2-98
Executive Engineer
Nellore Dn.

Items 5. There was an overpayment in gravel backing which has since been recovered and credited in the cash book.

No 1 R. A. Srinivasa Aiyangar
26-2-98
Exe. Engineer

/True copy/

Manager
Office of the Chief Engineer
for Irrigation

P. W. D. Form No.

Public Works (1899) Department.

CURRENT No. 105

From The Examiner P.W. Accounts Madras & Coorg

Order

No. 1503 B/A

Dated 16th May 1899

Received 17 do

Registered

Enclosures

Spare copies.

SUBJECT.

Constructing Head Sluice for Kota Paula Calva — Returns duly verified the Completion Report for —

FEJ

Reply to D. No. 15 R.L. 19.4.99 — awaits

Reply (R. No 34 R.L. (99) rec'd 15th May & forwarded 25th May 99

17.5.99.

17/5/99

17/5/99

9 MAY 1899

OUT-SIDE OFFICE.

C.3 1683

O.U.S.S. 2683 99.

P. W. D. Form No.

BACK PAPERS.

No.	Date.
R20 N2	8-3-99
I15 N2	19-4-99
164	15-3-99

FURTHER PAPERS.

No.	Date.
R34 N2	20-5-99

RS.

P. W. D. Form No. 45A.

NOTES.

Reference to P. W. D. Code.

Vol. I; Chapter II. para. 80; and Chapter IX, paras. 38 to 41 and 43.

1. This form should be submitted to the Examiner with the accounts of the month in which the work is reported to be completed. It is only intended to be used for works, the outlay on which is recorded by sub-heads or items of work and which have exceeded the sanctioned estimate by more than 5 *per cent.*

2. When work has been executed for the Civil or Military department, the countersignature of the Civil or Military authority concerned should be obtained to the form of Certificate, (Form No. 45B. or 45D.), and the Certificate should be attached to the Completion report.

3. The entries in the Completion report must accord with the closing entries in the Register of Works, and the last Schedule docket submitted to the Examiner.

4. In the case of contribution works, proposals should be submitted as to the disposal of the unexpended balance, if any.

Names of Engineers and Subordinates by whom the work was supervised, giving the dates of their several incumbencies, i.e., the dates of taking and making overcharge in connection therewith.

Names.	Period of incumbency. From	To
Rt. Reid Esq. Ex. Engr.	Sept 96	Jany 97
Mkky n. arokiasamy	Jany 97	Feb 97.
A&C Supr. chg. on.		
L. L. Wickham Esq. E.S.	Feb 97	endale
Mkky n. arokiasamy S.00.	Feb 97	Apl 97.
L. L. Wickham Esq. E.S. A.C.I. Supr.	Apl 97	Aug 97.
V. T. Srinivasaiyangar S.00.	Aug 97	March 98

Explanation of Differences.

C. Saigar Mudr Overseer. Sep 96 Jly 97.

S. Rajagopalasami Mudr Overseer. Aug 97. Nov 97.

V. T. Srinivasaiyangar Nov 97 — to-Sap.

CHIEF ENGINEER FOR IRRIGATION 8 MAY 1899 31 N2

Completion report of Original works and Special Repairs.

Division— Nellore.

Name of work— Konotigadda sluice & kotapuntakalva.

Amount of estimate—Rs. 3700/-

Expenditure " 4415/-

Difference " 715/-

Percentage of excess (if any)— 19

Date of commencement— September 1896

Date of completion— February 1898

Record plan No.—

Forwarded to the Examiner, P. W. Accounts, Madras for verification, as this Office No. ____, dated ____ 189 .

Documents accompanying.

*

R. A. Srinivasa Ayyangar 5.5.99

Executive Engineer,

Nellore Division.

Transmitted to the Superintending Engineer, ____ Circle, duly verified as this Office No. ____, dated ____ 189 .

Examiner, P. W. Accounts.

Transmitted to ____ for record as this Office No. ____, dated ____ 189 .

Superintending Engineer.

* Here note "Completion certificate" granted by the Civil or Military authority concerned, report, specification, drawing and of detail quantities, when necessary.

C. G. P—No. 240 P W—22-12-97—6,000.

P. W. D. Form No. 45A.

Name of work— Const. of Rd. sluice to Kolápanta kalwa

Fund— Provincial Imp. 43 minor works &

Departmental head— Works for which neither capital nor

Service head— revenue accounts are kept.

Main head of classification— Original works.

Sub-head of classification—

Arm of the service—

Reference to last schedule docket submitted—*No.* , *for the month of* 189 .

Authority— G.O. No. 4100 D/ 2.5.96. Rs 3700.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
1 Concrete in dark work	38.30	12.8.0	722	3715	11.12.0	438.7.2	21.15		283.8.0	
2 Cut Laterite work in	76.97	19.12.0	1500	78.54	15.13.5	1479.9.3			20.6.9	
3 Laterite arch work in	8.23	21.12.0	179	8.23	20.11.4	170.4.8			8.4.6	
4 Rough Stone apron Pitching	71.00	4.10.0	328	780.1	4.7.5	348.3.3			20.3.3	
5 Gravel backing	19.70	0.9.0	11	28.85	0.8.0	12.10.6			1.10.6	
6 Cut granite stone work	97	2.0.0	194	97	1.12.6	184.14.6			30.14.6	
7 Baking & packing & ring bund & removing cut granite stonework					40.0.0					
8 Pointing with portland Cement	37.4	3.0.0	1187	7.71	1.8.0	13.1.0			8.13.6	
9 Value of Cement						24.0.6				
10 Screw gearing Shutters complete.	4	65.0.0	260	4		558.11.0			298.11.0	
11 Excavating foundations & filling in.			120			589.6.0			469.6.3	
12 Baling —			120			275.0.0			155.0.0	
13 Centerage			80			80.0.0				
14 Contingencies			68						68.0.0	
15 Petty Supervision						111.0.0			111.0.0	
16 Removing prickly pear				83.30	0.26	13.0.3			13.0.3	
17 Pointing with Surkhi mortar				31.64	26.2	75.7.7			75.7.7	
			Rs. 3700			Rs. 4414-13-11			Rs.	

* Excesses to be entered in red ink; Savings in black ink.

P. W. D. Form No. 45A.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
			3700			4414-13-11			714-13-11	
			Rs. 3700			Rs. 4414-13-11			Rs 714-13-11	

* Excesses to be entered in red ink; Savings in black ink.

P. W. D. Form N

P. W. D. Form No. 45A.

Sub-heads of estimate.	As estimated.			As executed.			Differences.*			Reference to paras. overleaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
			3700			4414-13-11			714-13-11	
Total ...		Rs. 3700			Rs. 4414-13-11			Rs. 714-13-11		

* Excesses to be entered in red ink; Savings in black ink.

Dated the _____ 189 .

Executive Engineer.

[N.B.—When any considerable deviations from the original design have occurred, the report, specification, drawings and details of measurement of the work actually done, in the same form as the estimates, should accompany the Completion report.

Letter from M. R. [illegible] Venevasa Aeijangar
anenghal Rai pab[illegible] B. E. Executive Engineer
Vellore Divisio[illegible] Superintending Engineer
2nd circle, dated [illegible] ay 1899 No 304 S.E.

EXAMINED
A.W. ACCOUNTS
15 MAY 1899

As desired by the [illegible] Public Works Accounts in item no 16 of objection file 2 Items statement for February 1899, I have the honor to submit herewith revised detailed Completion report for Constructing Headsluice to Kota Panta Kalva.

The original report was forwarded to you with this office No 151 S.E. dated 27.2-99. and the necessity for its revision is due to a subsequent recovery of Rs 8-14-0 overpaid to a Contractor. Explanation of differences having already been attached to the original report, no separate one is now needed.

Encl: 1 Completion Report.

Completion Report No 153 Dated 5th May 1899.

Copy forwarded to the Chief Engineer for Irrigation with a request that he will be good enough to obtain the sanction of Government to the accompanying revised Completion Report in lieu of the one forwarded with this office No 869 dated 6th March 1899.

Captain R.E.
5/5/99 offg: Suptg: Engineer II circle

P. W. D. Form No

CHIEF ENGINEER
FOR IRRIGATION.
8 MAY 1899
No. 31 h 2

Public Works (1899) Department.

IRRIGATION BRANCH.

ISSUE No. 15 N.L

To

~~The~~ L. L Wickham Esqre
Exc. Engr Negapatam Div
thro SE V

(Reply ~~to~~ letter No. 86-9 , dated 6/3/99)

Dated 19. 4. 99

Despatched 27. 4. 99

Enclosures * 4

...iculars of Enclosures.

SUBJECT.

Kola Pantá Calva. Forwards Ceylonese papers with a request that Mr Wickham will explain the delay in commencing the Construction of the — which was sanctioned in May 1896.

0 C.E.D
4583/98

...ated the
...B.—Wh
...surement

P. W. I

E. I. Form No. 13—4,000—7-1-69

BACK PAPERS.

No.	Date.
R20NL	6-3-99
R 64/99	

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

REMINDERS ISSUED.

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

KEEP-WITHS.

FURTHER PAPERS.

No.	Date.
R31h2	5-5-99
R105	16-5-99
R342L	20-5-99.

No 15 NL 4 15-4-99

To
L. L. Wickham Esq.
Ex Engr Negapatam Dn.

Thro S.E. V.

Sir

The apr he the honr to forward herewith the marginally noted papers and to report that Mr. Wickham will explain the delay in commencing the construction of the Head Sluice & the Retg Paulin Calva which was sanctioned in May 1896 —

It is understood from the S.E. letter No 58 C. d. 6-12-98 & the Exr Engr's explanation of differences accompanying the Completion report that the delay in commencing construction until July 97 necessitated the construction of a diversion channel & other extra charges

Enclosures.
Copy of letter from S.E. & Exr Engr's letter No. 53 C 6-12-98
Do do from Exr Engr's letter & S.E. C. No 15/8 E 27-2-99
Estr No. 869 d. 6-3-98.
Completion report & sketch of explanations & differences.

I have the honour to be
Sir
Your most obedient servant

18/4/99

19-4-99

Public Works (189) Department.

CURRENT No. 64

From Exam^r

No. 845-13/A

Dated 15-3-99

Received } 16-3-99

Registered

Enclosures 4

Spare copies

SUBJECT.

Head sluice to Kotta Canta Calva, Nellore —

Returns, verified, the Complete Report of the —

D.E.I. for orders.

The excess is attributed chiefly
(1) Careless estimating, and
(2) work not having been built at the proper time.

As regards item 1 the original estimate was prepared by Mr. R.A. Sreenivasa Pillai, vide G.O. no. 400 I dt 7-5-96 (flagged A) and the explanation furnished by the E.E. states the cost of the shutter was originally under-estimated, but it is not stated why it was under-estimated & whether an estimate of the cost was not obtained from the workshop in the first instance.

The delay in starting work, for which materials were ready in March 1897 has not also been explained. The excesses under items 11 and 12 are attributed respectively to diversion channel excavated, & the sprigging with which increased cost of baling. The S.E. considers that if the work was started in time these excesses might have been avoided.

Orders are requested if the S.E. may be asked to obtain explanation on the above points.

The total excess is 19.57 per cent of the original estimate.

Order

F.E.I.
16/3

5-4-99.

16/3/99

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
1312 R	5-5-99
1105	16-5-99
1342 R	20-5-99

Public Works (1899) Department.

EXAMINED P. W. ACCOUNTS 13 MAR. 1899 No.

CURRENT No. 2042

W 95 98 3 99 ~3

Order

To C for verification of excess & early return.

From The Superintending Engineer Circle

No. 869

Dated 6th March 1899.

Received 8. do ——

Registered

Enclosures three

Spare copies

FOR INSPECTION 16 MAR. 1899 No.

No. 815 B/A dt. 15th March 1899.

To S.

Verified and returned

Sd/ 14.3.99

Sd/ C.E. 15.3.99

SUBJECT.

Head Sluice to Kolta Panta Calva —— Submits the Completion Report for the — with his Remarks on the Divisional officer's Explanation for excesses.

P. W.

BACK PAPERS.

No.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
R312	5-5-99
R105	16-5-99
R342	20-5-99

0.C.5-10.
4583/27

Letter from M. R. Ry R. A. [illegible] Iyengar avergal
Rai sahib B. A. B.C.E. Executive [illegible] ellore to the
Superintending Engineer II circle, Ca[illegible] N° 151 P.W.

With reference to your N° 53 C dated
6th December 1898, I have the honor to resubmit
the completion report for constructing a Head
sluice to the Kota Panta balua with full explana-
tions for the savings and excesses therein given.

Encs:- 3.
Completion Report N° 861 Dated 6th March 99.
Estimation Sheet
Copy of Lr. Letter
N° 53C
6.12.98

ENGINEER
CATION
AR. 1899
N. 2

R. 1899

Copy forwarded to the Chief Engineer
for Irrigation with the following remarks.

The principal excesses are on items 10, 11 and 12.

The excess on 10 is due to careless estimating and
on 11 and 12 mostly if not entirely due to the work
not having been built at the proper time Vide
Copy of this office letter N° 53C dated 6-12-98. The
work being founded on rocky soil from 2½ to 3 ft
below bed of channel, the expenditure on balin
and on foundation is unreasonable.

Code rules were disregarded in not submitting
a revised estimate when it was seen that

estimate must be exceeded.

H Hammond
Superintending Engineer Hansi.

EXAMINER
P. W. ACCOUNTS
13 MAR 1899

No 2 Encls to No 869

EXAMINER
W. ACCOUNTS
13 MAR 1899

Kotta Canta Calua Headsluice

Explanation of differences.

Item 1. Saving of 21.15 cubic ft of Concrete in Sunkcemon Bar is due to reduction of depth in foundation. The Original Estimate provided 4 feet; the actual depths as executed are 3 ft 2½ feet for front right and left returns respectively 2'-9" for rear returns and 2½ for body of rear retaining wall. The whole depth as allowed in the Original Estimate was not practicable as hard soil was met with below.

Item 2. The increase 257 ft in this Item in quantity is due to a mistake in the Calculations in the Sanctioned Estimate. The deduction for Space occupied by arch should be 2 (2×66.4) = 266 and not 530 as allowed in the Sanctioned Estimate.

Item 3. Saving due to rate having been allowed to Piece Workers 1½ Per Cubic less the estimate rate.

Item 4. The Puncheon on the front right side made to the Penstock up to 76 feet in length instead of 50 feet as provided in the Estimate.

Item Nos 6 & 7. Excess due to Baling and putting aside. Removing Ring bund to facilitate Sluice

work of all granite stone being done.

Item 6 & 8. Decrease in quantity is due to pointing with Cement mortar, the items for which Portland Cement Pointing is provided for in Original estimate. It does not have been substituted with Portland Cement.

Item 10 Increase is due to the cost of the Shutter having been under estimated. The expenditure incurred is as per workslip debit advice.

Item 11. Increase is due to actual measurements Caused by the excavation of a Diversion Channel 460 feet in length from River Sand for removing hard Core in old Channel & Amounting to About 72 units of Earthwork not allowed in the Sanctioned Estimate.

Item 12. The excess is due to Springs in foundation.

Item 15. The Actual Superintending Charges have been included. These ought to have been distributed to the various heads as the data allows for Superintendence under each subhead.

Item 16 Dewatering necessary when excavating work and this item was omitted in Original Estimate.

Item 17. This work was done in lieu of Pointing with Cement mortar Estimated for in item No 8.

[Signed] K. Narasimha Rao
Overseer Gr I

R. A. Srinivasa Ayyangar
26.2.99
Executive Engineer.

Divisional Officer.

15/2/99.

Item 5 There was an overpayment in Sand backing which has since been recovered & credited in the cash book.

R. A. Srinivasa Ayyangar
26.2.99
Ex. Engr

SUPDG. ENGINEER'S OFFICE
28 FEB 99
P. W. D.
SECOND CIRCLE.

EXAMINER
P. W. ACCOUNTS
13 MAR 1899

Letter from the Superintending Engineer II circle to the Divisional officer Nellore, dated 6-12-98 N° 53C

I have the honor to return herewith the completion report for constructing a Head sluice to the Kota Panta kalva forwarded with your no 59 dated 13.10.98 as the explanations given for the savings and excesses are unsatisfactory.

2. If you can give proper explanations please do so.

3. It appears from the Progress report for this work that materials for the work to the value of Rs 1987. were collected to the end of March/97 as the amount of the estimate is only Rs 3700 the whole of the materials must have been collected. yet the work is not started until July a most extraordinary time for starting a work practically in the bed of a river. it was your duty to see that this work was started in proper time, your not having done so has lead to increased expenditure in baling, digging

CHIEF ENGINEER FOR IRRIGATION
8 MAR 1899
3/20 N.2

FOR INSPECTION
16 MAR 1899
4/64

Rec. 12
4653/98

digging or diversion channel &c.

(True copy)

Superintending Engineer
Hooghly.