

Public Works (1896) Department.

RAILWAY BRANCH.

G.O., No. 1050R

DATED 25th/₄

[Despatch Abstract.]

*Accident. — Report of an — to a native fireman
in the Madras Railway Company, run over by
the engine between Cuddapah and Siddhout
Stations, recorded.*

Government { 1896 } of Madras.
PUBLIC WORKS.

Spare copies

OCTOBER.

Forwarding Proceedings requesting the sanction of the Government of India to the — of Rs. 1,144 incurred over the estimate of Rs. 5,290 for constructing an under-tunnel to pass Bondakodu drain under Magam channel, in the Gôdâvari Central division.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From W. C. DEMORGAN, Esq., Executive Engineer in charge, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 15th June 1896, No. 531 G.D.

I have the honour to submit, herewith, a completion report received from the Assistant Engineer in charge of the Gódávari Central Division and verified by the Examiner of Public Works Accounts for the work "constructing an under-tunnel to pass Bondakodu drain under Magam channel," estimate Rs. 4,250 sanctioned in G.O., No. 85 L., dated 30th January 1895, and to request you will be good enough to obtain sanction of Government authorizing the Examiner of Public Works Accounts to admit the excess expenditure of Rs. 930 incurred on the work.

2. The excess is partly due to the increased conveyance charge of materials and partly to the masons having been paid at the rate of 9 annas each (*i.e.*, $\frac{1}{8}$ more than allowed in the estimate) and to the substitution of *concrete archwork*, &c., as explained by the Assistant Engineer in the report.

Memorandum to the Superintending Engineer, I Circle, dated 27th June 1896, No. I./55 G.D.

With reference to letter No. 531 G.D., dated 15th instant, from the Superintending Engineer, I Circle, the undersigned has the honour to observe that the excess expenditure of Rs. 930 incurred on the under-tunnel to pass Bondakodu drain under Magam channel exceeds the limit of sanction of the Local Government—*vide* rule (v) (c), paragraph 35, chapter V, Volume II, Public Works Department Code. To admit of the sanction of the Government of India thereto being applied for, it is requested that the Superintending Engineer will be so good as to submit fuller explanation of the circumstances which necessitated the original estimate being so largely exceeded.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

From J. C. LARMINIE, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 29th August 1896, No. 1073 G.D.

With reference to your memorandum No. 55 G.D., dated the 27th June 1896, I have the honour to inform you that reasons for the excess on the under-tunnel to pass Bondakodu drain under Magam channel are as follows:—

(1) A large proportion of the materials supplied by Dowlaishweram quarries had to be taken by a very circuitous route (*i.e.*, *via* Manjair and Yanam) owing to the closure of the Central delta canals, and the charges for the conveyance of these materials were thus more than estimated for.

(2) Owing to the remote situation of the work, there was a great difficulty in getting labour at the estimated rates, and higher rates had to be paid to masons, &c.

(3) An extra sum of Rs. 104 was charged to the work by Overseer Mr. Masters by preparing fictitious musters; but as he died in January 1896, nothing further could be done in the matter.

No. 806 I., 5TH OCTOBER 1896.

(4) The estimated cost of the brick archwork for the under-tunnel was Rs. 397 and the actual cost of the concrete archwork was Rs. 427, which resulted only in an excess of Rs. 30.

No. 163 I.

Submitted to Government.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.
8th September 1896.

ORDER—No. 806 I., dated 5th October 1896.

In the circumstances explained by the Superintending Engineer, I Circle, the excess outlay of Rs. 930, or Rs. 1,144 including the charge for establishment, is approved.

2. Ordered that a copy of these Proceedings be forwarded to the Government of India, with reference to rule (v) (c), paragraph 35, chapter V, Volume II, Public Works Department Code, with a request that sanction may be accorded to the expenditure of Rs. 1,144 incurred in excess of the estimate of Rs. 5,290, sanction to which was reported in endorsement, No. 86 I., dated 30th January 1895.

[Here enter No. 807 I., dated 5th October 1896.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

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

ENDORSEMENT—No. 807 I., dated 5th October 1896.

Forwarded.

(By order.)

Joint Secretary to Government,
Irrigation Branch.

To the Secretary to the Government of India,
Public Works Department.

Exd. T. K. Narayana Aiyangar.

Public Works (1896) Department.

CURRENT No. 8175

Order

From

The Chief Engineer
for Irrigation

No. 163 I.

Dated 8. Sept 1896

Received 11. 9. 96

Enclosures 4

Spare copies -

SUBJECT.

Sl. H. has passed
the order - Mr. Stanley apparently
prepared orig. 28.9.96. when
action of the order was not
remains

D. 19/9

Communicated to S. S.

18.9.96 in explanation &
recd.

Recd

25/9

Issue

H. K.

D. 1

29/9

18.9.96

o.d. 5 399 R 18/9

Explanation
has been
called for

1-10-96

Excess expenditure in-
curred on constructing
the under tunnel to
pass Boddacodu drain
under Mogam Channel

To J. S. Aiyangar
10/10/96
10/10/96
10/10/96

BACK PAPERS.

G.O.	No.	Department.	Date.
	852	P.W.	30-1-95

FURTHER PAPERS.

G.O.	No.	Department.	Date.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

No 806 J. 75th October 1896.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 4th

Read the following

From Supp Eng. 1st Cutch, No 531 QD, & 15. 6. 96.
do. 559 QD, & 27. 6. 96
do. 10734 QD, & 29. 8. 96

No 163 J of 8. 9. 96.

Submitted to Govt.

Order thereon.

In the circumstances

explained by the Supp.
Eng. 1st Cutch, the
excess outlay of Rs
930 or Rs 1144 in-
cluding the charge
for establishment,
is approved.

2. Ordered that
a copy of these Procs.
be forwarded to
the Govt of India
with reference to
rule (c), para 35, Chapter

V, Vol II, I-WB Code,

with a request that
sanction may be
accorded to the
expenditure of Rs
1144 incurred in

excess of the estimate
of Rs 5290 sanction
to which was reported
in endorsement, no

86. I, & 35. Jan 1905.

No 806. I & 5th Oct 1896.
Endorsement—

Forwarded.

5/12
86

Recd
8/12
96

To
The Chief Engr for
Supp Engr 1st Class
2d Divn

E. I. Form No 1-1,000-27-11-95.

LCB
5/19 1896

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

29 MAY 1896

NAME OF WORK— *Constructing an Under Tunnel to pass Boudakota Drain under Majaul Channel.*
FUND— *Irigation - Imperial.*
DEPARTMENTAL HEAD— *I Works.*
SERVICE HEAD— *49 Capital expenditure not charged against the Revenue*
MAIN HEAD OF CLASSIFICATION— *3. Distributaries.*
SUB-HEAD OF CLASSIFICATION— *3. Works.*
ARM OF THE SERVICE—
REFERENCE TO LAST SCHEDULE DOCKET SUBMITTED— *No. 10, for the month of March 1896.*
AUTHORITY—

Sub-heads of estimate.	AS ESTIMATED.			AS EXECUTED.			DIFFERENCES.*			Reference to paras. over-leaf explaining differences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
Dry broken stone under foundations	9.10	14.10	128	9.10	19.40	177	-	-	49.	
Concrete in purki mortar	55.60	27.80	1529	55.60	31.10	1763	-	-	234.	(a)
Rubble in mortar	41.00	27.40	1143	41.00	37.40	1544	-	-	401.	(b)
Cut stone in mortar	231	0.10	23	231	1.10	257	-	-	109	(c)
Brick archwork in mortar	12.80	31.00	397	-	-	-	-	-	397	(d)
Apron & revetments	18.30	14.00	268	18.30	16.40	309	-	-	41	
Gravel backing	2.40	12.50	31	2.40	12.30	31	-	-	-	
Plastering with Portland cement 1/2" thick (cement & sand)	7.40	7.40	54	7.40	6.12	50	-	-	4	
Pointing with purki mortar	14.70	3.00	44	14.70	3.00	44	-	-	-	
GROUTING	7.60	-	23	7.60	-	23	-	-	-	
Excavating foundations and filling in quarries banks and approaches	-	-	50	-	-	104	-	-	54	(e)
Centering	-	-	50	-	-	66	-	-	16	(f)
Lime shed	-	-	20	-	-	87	-	-	67	(g)
Baling	-	-	50	-	-	67	-	-	17	(h)
TOTAL		Rs.	3935		Rs.	4522		Rs.	587	

* 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 the measurement of the work actually done, in the same form as the estimates, should accompany the Completion report.

O G P.—No. 189 P. W.—2-11-94—5000.

NOTES.

Reference to P. W. D. Code.

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

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

Completion report of Original works and Special Repairs.

DIVISION—

NAME OF WORK—

Amount of estimate—Rs.

Expenditure "

Difference "

Percentage of excess (if any)—

Date of commencement—

Date of completion—

Record plan No.—

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

Documents accompanying.

Executive Engineer,

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
detail of quantities, when necessary.

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

NAME OF WORK—

FUND—

DEPARTMENTAL HEAD—

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

AUTHORITY—

189

Sub-heads of estimate.	AS ESTIMATED.			AS EXECUTED.			DIFFERENCES.*			Reference to paras. over- leaf explain- ing differ- ences.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.	
		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
Compensation for land occupied for stacking materials temporarily			3935			4522			587	
Petty Supervision.			119			209			90	(i)
Contingencies.			186			12			174	
Concrete arch work.			"			427			427	(j)
TOTAL			Rs. 4250			Rs. 5180			Rs. -930	

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

Dated the 189 .

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

C.G.P.—No. 189 P. W.—2-11-94—5000.

Copies 13/20/05

NOTES.

Reference to P. W. D. Code.
Chapter III, para. 89; and Chapter IX, paras. 38 to 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
J. E. Paul, Esq. P. W. D. Eng.	January 1895	April 1895
W. J. Stanley, Esq. Asst. Engineer	August 1895	31/8/95
M. S. Krishna Chari, Esq. Asst. Engineer	May 1895	Completion
" S. Ramiah, Esq. Asst. Engineer	Feb 1895	July 1895
" S. Ramiah, Esq. Asst. Engineer	Aug 1895	October 1895
" W. Masters, Esq. Asst. Engineer	January 1895	July 1895
M. B. P. Karasim, Esq. Asst. Engineer	Nov 1895	Completion

EXPLANATION OF DIFFERENCES.

a to c These excesses are partly due to increased conveyance charge of materials as explained in my No. 209 of 26-2-96 to the Superintending Engineer 1st Circle & partly to the masons being paid at the rate of 9 as each (i.e. more than allowed in the estimate) & finally to the circumstances mentioned in my No. 157 of 12-12-95 to Sup. Eng. 1st Circle.

d Substituted concrete arch work.
e to i The lump sums provided in the estimate were insufficient - vide para 8 of this Office No. 209 of 26-2-96 to Sup. Eng. 1st Circle.
In place of brick arch work in mortar.

CHIEF ENGINEER
FOR IRRIGATION. P. W. D. Form No. 45 A.

2 JUN 96

Completion report of Original works
and Special Repairs.

DIVISION— Godavari Central

NAME OF WORK— Constructing an Under
Tunnel to Pass Bonda Kadu drain under

Amount of estimate—Rs. 4250 Magam Channel

Expenditure " 5780

Difference " -930

Percentage of excess (if any)—

Date of commencement— January 1895

Date of completion— March 1896

Record plan No.—

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

Documents accompanying.

None

By *[Signature]* Asst. Executive Engineer,
Godavari Central 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 detail of quantities, when necessary.

No. 531 GD

FROM

N. C. Demorgan Esq.
Executive
SUPERINTENDING ENGINEER in Charge.

FIRST CIRCLE.

THE Chief Engineer
for Irrigation

DOWLAISHWERAM, Waltair 15-6-1896.

Dtd. 18-6-96

SIR,

I have the honor to submit
here with a Completion Report
received from the Assistant
Engineer in charge of the
Godavari Central Division
and verified by the Examiner
of Public Works accounts for
the work "Constructing an
under Tunnel to pass Bonda
-kadu drain under Magam
Channel Estimate Rs 4250 of
sanctioned in G.O. No. 85 dated
30th January 1895 and to re-
quest you will be good enough
to obtain sanction of Govern-
ment authorizing the Examiner
of

of Public Works Accounts to
admit the Excess Expended -
- sum of Rs 930.0.0 incurred
on the work.

2. The excess is partly due to
the increased conveyance &
charge of materials and
partly to the masons having
been paid at the rate of 9
annas each (i.e. $\frac{1}{8}$ more than
allowed in the Estimate) and
to the substitution of Concrete
arch work &c. as explained
by the Assistant Engineer
in the Report.

I have the honor to be

Sir,

Your most obedient Servant

W. D. Morgan

18
6

Executive Engineer
in charge 1st Circle.

CH 17-6-96