

(1) Number of pages _____

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MADRAS RECORD OFFICE.**Government of Madras.****Public Works DEPARTMENT.**

G.O. No. 171-58	Press
317-57	Mis.
Dated 22-1-	1872.

Not to be folded or roughly handled

No. 348. Read the following Report from the Chief Engineer for Irrigation and the Controller of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Fort St. George, 20th December 1871, No. 214:—

WITH reference to G. O. No. 3,107, dated 9th instant, calling upon us to select a form which will keep Superintending Engineers and Chief Engineers aware of the expenditure, as compared with estimates, which is being incurred on large projects, we have selected the form BB-1 of the Register of Works in the Madras Manual of Public Works Accounts, modified by the introduction of a column showing the rates.

2. It is necessary to call attention to the fact that the Government of India expressly state that they require proposals as to the form and details, etc., in which information should be afforded to Superintending and Chief Engineers relative to the agreement of actual with estimated cost of work on large projects which are carried out in more than one division or executive charge. Such works are necessarily in progress for considerable periods, and it appears to us that it would be sufficient to deduce results from the entries in the form once in six months, or at the end of June and December; the former being the period at which large masonry works must be put a stop to in river, etc., beds, and the latter the period at which every thing should be ready for the vigorous prosecution of work during the approaching working season.

3. While large works are in rapid progress the monthly entries under the various heads of expenditure would often not admit of any correct conclusion being drawn as to the rate at which work was being executed, inasmuch as materials are often used before they are paid for, but care should be taken that such matters are adjusted by the end of June and December.

4. The statement should exhibit each masonry work which may cost more than Rupees 10,000 separately; and the minor works should be grouped, according to sections into which it may be found to be convenient to divide the work; the number, nature, and cost of the works thus grouped being stated in the column of remarks.

5. For a large project the statement would be very voluminous; it would be well, therefore, that printed forms should be obtained to exhibit the expenditure for each work or group of works for six months; the entry for each work in each month would appear in a single line, and the totals up to date would not be made up until the expiration of the six months. One copy of the form would be retained in the Executive Engineer's Office, and the other might be sent to the Superintending or Chief Engineer with the progress report to be returned after examination in order that the expenditure of the following month might be entered in it by the Executive Engineer.

6. When the statement, with the expenditure up to 30th June or 31st December is submitted in a foot note, the Executive Engineer should state whether the quantity of work under any particular sub-head was likely to be exceeded, explaining the causes of the excess, and the names of the officers and subordi-

*Proceedings of the Madras Government, Public Works Department,
22nd January 1872.*

nates employed on each work should be stated; it would then be easy to fix the responsibility for bad work in any portion of the structures or for any deviations from the original estimate; with regard to the latter we are of opinion that responsibility should rest with the Executive and Superintending Engineers and not with the Controller; the latter being only held responsible for bringing to the notice of Government excesses on the works as a whole, and not excesses in detail, or under the sub-heads of the estimates as appears to be required under the Supreme Government under Circular No. 34, dated 12th July 1871.

7. The statement, with the complete expenditure for six months, would be retained in the Superintending or Chief Engineer's Office.

8. The Progress Report of the Madras Irrigation and Canal Company, to which our attention was called in the last paragraph of G. O. No. 3,107 of 9th December shows the expenditure on each large masonry work or section into which the canal work has been divided separately, but does not indicate the details or sub-heads of work and the rates, and hence does not afford the information required to check the rates at which work is being executed; the information required may be afforded more easily and concisely in the form and in the manner proposed above than by introducing details into the Progress Report.

No. 349. ORDER THEREON, 22nd January 1872, No. 177.

IRRIGATION, No. 30.

In accordance with the recommendation of the Chief Engineer for Irrigation and the Controller of Public Works Accounts, Superintending Engineers will require officers who are in charge of large projects or portions of projects such as are referred to in the Circular of the Government of India noted in the margin, to record their expenditure in the Form B.B-1 of the Register of Works in the Madras Manual of Public Works Accounts modified by the introduction of a column showing the rates.

2. As proposed by the officers above referred to the returns will be furnished to Superintending or Chief Engineers half-yearly, and the suggestions made in their report to Government will be attended to in framing the statements; the Controller will prepare and supply the printed form when required by Executive Engineers.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
To the Controller of Public Works Accounts.
" Chief Engineer for Irrigation.
" Major R. B. Kennedy.
Exd. F. R. Bantleman.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, 22nd January 1872.

No. 350.

No. 178.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

IRRIGATION, No. 31.

SIR,—With reference to Circular letter from the Secretary to the Government of India, Public Works Department, (Account—General,) dated 12th July 1871, No. 37, Public Works, I am directed to forward correspondence containing the proposals of the Superintending Engineers, the Chief Engineer for Irrigation, and the Controller of Public Works Accounts in regard to the subject of the above noted Circular; and I am to add that this Government concur with the opinions expressed by the two latter officers in their joint report, and propose to cause Executive Engineers to supply the information mentioned in the form and at the periods suggested in the case of all large projects such as are contemplated by the Government of India.

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R. E.,

Secretary to Government.

Exd. F. R. Bantleman.

N^o 214.

Fort St. George
20th December 1871

To

The Secretary to Government
P.W. Department

Sir

With reference to G.O. N^o: 3107, dated
9th Instant, calling upon us to select a form
which will keep Superintending Engineers and
Chief Engineers aware of the expenditure, as com-
pared with Estimates, which is being incurred on
large Projects, we have selected the form B.B.1
of the Register of Works in the Madras Manual
of P.W. Accounts, modified by the introduction
of a Column showing the rates.

2. It is necessary to call attention to the
fact that the Government of India expressly
state that they require proposals as to the form
and details &c. in which information should be
afforded to Superintending & Chief Engineers
relative to the agreement of actual with estimated
cost of work on large projects which are carried
out in more than one Division or Executive Charge.

Such.

N^o 37 P.W.
12th July

Such works are necessarily in progress for considerable periods, and it appears to us that it would be sufficient to deduce results from the entries in the form once in 6 months, or at the end of June and December, the former being the period at which large masonry works must be put a stop to in Rains &c. beds; and the latter the period at which everything should be ready for the vigorous prosecution of work during the approaching working Season.

3. While large works are in rapid progress the monthly entries under the various heads of expenditure would often not admit of any correct conclusion being drawn as to the rate at which work was being executed, in as much as materials are often used before they are paid for, but care should be taken that such matters are adjusted by the end of June and December.

4. The Statement should exhibit each masonry work which may cost more than Rupees 10000, separately, and the minor works should be grouped, according to sections into which it

it may be found to be convenient to divide the work, the number, nature and cost of the work thus grouped, being stated in the Column of remarks.

5. For a large project the statement would be ^{very} voluminous; it would be well therefore that printed forms should be obtained to exhibit the expenditure for each work or group of works for 6 months - the entry for each work in each month would appear in a single line and the totals up to date would not be made up until the expiration of the 6 months. One copy of the form would be retained in the Executive Engineer's office and the other might be sent to the Superintendent Major Chief Engineer with the progress Report to be returned after examination in order that the expenditure of the following month might be entered in it by the Executive Engineer.

6. When the Statement with the expenditure up to 30 June & 31 December is submitted, in a foot note, the Executive Engineer should state

state whether the quantity of work under any particular Sub-head, was likely to be exceeded, & planning the causes of the excess, & the names of the officers and subordinates, employed on each work should be stated - it would then be easy to fix the responsibility for bad work, & for any deviation from the original estimate, with regard to the latter we are of opinion that responsibility should rest with the Executive & Superintending Engineers, and not with the Controller, the latter being only held responsible for bringing to the notice of Government excesses in the works as a whole, and not excess in detail, or under the sub-heads of the estimates as appears to be required under the Supreme Government, under Circular No. 34, dated 12th July 1871.

vide GO 2049
9th August 1871

7. The Statement, with the complete expenditure for 6 months, would be retained in the Superintending or Chief Engineer's office.

8. The Progress Reports of the Madras Irrigation and Canal Company, to which our

our attention was called in the last para of GO No. 3107 of 9th December shows the expenditure on each large masonry work or section into which the canal work has been divided, separately, but does not indicate the details or sub-heads of work and the rates, and hence does not afford the information required to check the rates at which work is being executed; the information required may be afforded more easily & concisely in the form and in the manner proposed above than by introducing details into the Progress Report.

We have the honor to be

Sir
Your Most Obedient Servants

H. P. Bates Captain R.
Ag. Chief Engineer for Irrigation

S. Wood
Controller of P.W. Accounts

Compd
H. P. Bates

No 177

In accordance
with the recommendation
of the Chief Engineer
for Irrigation and
the Controller of Public
Works Accounts, Super-
intending Engineers
will require Officers who
are in charge of large
projects or portions of
projects such as are
referred to in the Cir-
cular of the Government
of

No 6091

The Secretary
to Government

No 214

Oct 20 1891
Nov 20 1891

Regarding form

which will keep copy

of the expenditure in sum-

mitted with estimate when

to be presented in large
project.

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(8)

of India, noted in the margin, to record their expenditure in the form B.B.1 of the Register of works in the Madras Manual of Public Works Accounts modified by the introduction of a column showing the rates.

As proposed by the Officers above referred to, the returns will be furnished to Superintending or Chief Engineers half yearly - and the suggestions made in their report to Government will be attended to in framing the Statements. The Controller will prepare

Account General

12th July 1871 No 37 P.H.

prepare and supply the printed form when required by Executive Engineers.

Ames

H.

S. Engrs. ✓
Controller ✓
Chief Engr. for Staff 23-1-72 ✓
Surgn. ✓
Major Kennedy ✓

J. W. Sept 15

No 178

To
The Secretary to the
Government of India.

Sir,

With reference to
Circular letter from the
Secretary to the Govern-
ment of India J. W.
Sept / Account General
dated 12th July 1871 No.
37 J. W. I am directed
to forward correspondence
containing the proposals
of the Superintending
Engineers the Chief
Engineer for Irrigation
and the Controller of
Public

No

Public Works Accounts in regard to the subject of the above noted Circular and I am to add that this Govt concurs with the opinions expressed by the two latter Officers in their joint report and propose to cause Executive Engineers to supply the information mentioned in the form and at the periods suggested in the case of all large projects such as are contemplated by the Govt. of India.

Adml

Dec 23-1-92 with h.l.
 Lt. 2040 v 3107 of 1871-

C/-6091

Govt. of 1872 Madras.

PUBLIC WORKS.

To the Superintending Engineer
and
To the Secretary to the Govt.
of India

Dated

Recd.

Encl.

G. O. 22nd Aug 1872, No. 177-178.

Nos. 348-349 & 351

Propos. Papers orders in
letter from the ~~the~~ Chief Secy
for irrigation the ~~the~~ Secy
P. W. Dept. regarding the
~~same~~ ~~proclamation~~ ~~the~~ ~~same~~
for exhibiting expenditure
incurred on large works.

Former ^{with remarks} Correspondence
~~since proposals~~ ~~regarding~~
~~the same~~ ~~for exhibiting~~ ~~ex-~~
~~penditure~~ ~~incurred~~ ~~on~~
~~large works.~~