

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2845	Press ~~Mis.~~
471-472	
Dated 2-5-11	1870.

Not to be folded or roughly handled

No. 471. Read the following letter from the Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 4th November 1870, No. 3,228 :—

In their Order No. 1,589, dated 2nd July 1870, the Government were pleased to accord their sanction to a supplemental estimate, amounting to Rupees 1,060, for certain additional work required to be executed at the Gas Foundry in Fort Saint George, not provided for in the original estimate of Rupees 7,820.

One Supplemental Estimate.

2. I regret to have now to submit a second supplemental estimate, amounting to Rupees 1,800, for some further work, the necessity for which has been made apparent during the execution of the improvements.

3. The main items of increase are additional foundation for the gas holder, additional granite stones for supporting the iron columns of the machinery, baling water, and smiths' and fitters' hire.

4. The original estimate allowed for constructing a flooring of brick laid in ordinary cement 2 feet in depth on which the gas holder was to be placed. Captain Hunter explains that when the earth was removed, the well, which is close to the Fort ditch, was found to be full of water, and he considers it, therefore, unsafe to place the gas holder in the masonry bed without a substratum, which is proposed to be made in this instance of concrete laid to the depth of 3 feet. The bed which is to be reduced to 1½ feet in depth and the side walls of the well are to be of brick in hydraulic cement. It is now found that eighteen granite stones are required for supporting the iron columns of the machinery in place of the six provided for originally.

5. Water having been met with, baling has become necessary.

6. The smiths' and fitters' hire was altogether omitted in the original estimate. There is a considerable amount of this sort of work required to be done. A lump sum has been entered, as the hire can scarcely be estimated for exactly.

7. I inspected this work and consider that all these charges are absolutely necessary. The estimate appears to have been made from the working plan sent out from England, which had only the flooring under the gas holder, and no foundation shown on it as is always done in such plans. I might have lessened the thickness of concrete, or only put a ring of foundation, but the subsoil appeared so bad, I thought it best to be on the safe side.

8. The total cost of the improvements to the gas works will now stand at Rupees 10,680, the whole of which amount the Executive Engineer will be able to lay out in this official year, provided the money is placed at once at his disposal.

9. The Budget contains a provision of Rupees 7,310 only, so that Rupees 3,370 remain still to be allotted. The Government have already stated their inability to provide more funds, and I am also unable at present to name any source from whence they may be obtained.

*Proceedings of the Madras Government, Public Works Department,
25th November 1870.*

No. 472. ORDER THEREON, 25th November 1870, No. 2,815.

MILITARY WORKS, No. 18.

IN Proceedings Nos. 2,778 and 1,589,
dated 24th August 1869 and 2nd July
1870, respectively, sanction was accord-

ed to estimates, amounting in the aggregate to Rupees 8,880, for certain additions and improvements to the Government Gas Works in Fort Saint George. This amount included a sum of Rupees 2,920 for the construction of a masonry well for the gas holder for which the Superintending Engineer of the 4th Division now submits a revised estimate of Rupees 4,720, and states that the increase of Rupees 1,800 is due chiefly to the necessity for additional foundation, to a larger number of granite stones than was originally contemplated being found requisite for supporting the iron columns of the machinery, and to provision being required to be made for baling water and for smiths' and fitters' work of which a considerable quantity is now found needful. Colonel Wilkieson further represents that he has by personal inspection satisfied himself as to the absolute necessity for the extra work now proposed, and he accordingly recommends the revised estimate for sanction which is hereby accorded.

2. The total cost of the improvements to the Gas Foundry will now stand at Rupees 10,680, of which Rupees 7,310 having been allotted in the current year's Budget, the balance required for the completion of the work is Rupees 3,370,

Item No. 16.

which His Excellency the Governor in Council resolves to provide from the

assignment for the Lawrence Asylum Buildings.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R.E.,

Secretary to Government.

To the Superintending Engineers, 4th and 7th Divisions.
.. Controller of Public Works Accounts.
.. Military Department.

Exd. E. C. Shunker.

No. 3228.

Sup. Engr. Office 4th Div.
Madras 4th November 1870

From,

Colonel C. V. Wilkieson R.E.
Superintending Engineer 4th Div.

To,

Colonel C. A. Orr R.E.
Secretary to Government P. W. Dept.
Fort Saint George

Sir,

In their order No. 1589 dated 2nd
July 1870, the Government were pleased to
accord their sanction to a supplemental
estimate amounting to Rupees 1,060 for
certain additional work required to be
executed at the Gas Foundry in Fort Saint
George, not provided for in the original estimate
of Rupees 7,820.

I regret to have now to submit a
second supplemental estimate amounting to
Rupees 1,800 for some further work, the necessity
for which has been made apparent during the
execution of the improvements.

The main items of increase are
additional foundation for the gas holder,
additional granite stones for supporting the
iron columns of the machinery, baling water,
and smiths and fitters' hire.

The original estimate allowed for
constructing a flooring of brick laid in
ordinary

ordinary cement & put in depth in which gas holder was to be placed. Captain Munter explains that when the earth was removed, the well which is close to the Port ditch was found to be full of water, and he considers it therefore unsafe to place the gas holder in the masonry bed without a substratum, which is proposed to be made in this instance of concrete laid to a depth of 3 feet. The bed which is to be reduced to $1\frac{1}{2}$ feet in depth and the side walls of the well are to be of brick in hydraulic cement. It is now found that 18 granite stones are required for supporting the iron columns of the machinery in place of the 6 provided for originally.

Water having been met with, boring has become necessary.

The smiths and fitters hire was altogether omitted in the original estimate. There is a considerable amount of this sort of work required to be done. A lump sum has been entered, as the hire can scarcely be estimated for exactly.

I inspected this work, and consider that all these charges are absolutely necessary. The estimate appears to have been made from the working plan sent

sent out from England, which had only the flooring under the gas holder, and no foundation shown on it as is always done in such plans. I might have lessened the thickness of concrete, or only put a ring of foundation, but the subsoil appeared so bad, I thought it best to be on the safe side.

The total cost of the improvements to the gas works will now stand at Rupees 10,680 the whole of which, amount the Executive Engineer will be able to lay out in this official year, provided the money is placed, at once, at his disposal.

The Budget contains a provision of Rupees 7,310 only, so that Rupees 3,370 remain still to be allotted. The Government have already stated their inability to provide more funds, and I am also, unable at present to name any source from whence they may be obtained.

I have the honor to be

Sir

Your most obedient servant

William Col. R.E.
Capt. Bag 5th Dr.

W.P.

No. 2845

No. 2840
Proceedings of the Madras Government
Read the following

From the Supd. Inquiries
of the H. Du. Here entered No 3228 of 4 Nov. 1792

In Progs. No. 2778 and
1589 dated 24th Aug. /69
and 2nd July /70, respec-
tively; sanction was
accorded to estimates
amounting in the aggre-
gate to Rs. 8880 for
certain additions and
improvements to the
Govt Gas Works in Fort
St George. This amount
included a sum of

[illegible]

Butch-
Dec 5-50
Am.
2-10-50
278.

Sectioning with Herndon
a second supplemental estimate
amounting to \$1,800 for
printing up two holders
renewed for the two
holders in that amount

2/22/84 5.25 i

2.16. June 1870 Ad. 194

Rs. 2,920 for the construc-
-tion of a masonry well
for the gas-holder for
which the Supt of Engrs
of the 4th Div now submits
a revised estimate of
Rs. 4,720, and states
that the increase of
Rs. 1,800 is due chiefly
to the necessity for
additional foundation,
to a larger number
of granite stones
than was originally
contemplated being
found requisite for
supporting the iron

columns of the machinery,
and to provision being
required to be made
for baling water and
for Smiths and fitters
work of which a con-
-siderable quantity
is now found needful.
Col^l Wilkison further re-
-presents that he has
by personal inspection
satisfied himself as to
the absolute necessity
for the extra work now
proposed, and he accor-
-dingly recommends the
revised estimate for
sanction which is —

hereby accorded.

(10.)

The total cost of the improvements to the Gas Foundry will now stand at Rs. 10,680, of which Rs. 7,310 having been allotted in the current year's Budget, the balance required for the completion of the work is Rs. 3,370, which His Excellency the Gov^r in Council resolves to provide from the assignment for the Lawrence Asylum Buildings.

Item No 16

[Signature]

56
+ with Estimate
To The Supty/ry 4 ¹⁴⁷⁰/₁₀ Rs
" Cont^r of Public Works Accts
" Military Dep^y Sec^y

216 June 1870 Q. 195

Further Proc^t 858 8/21 3-71
" ——— " 2659 8/11-8-71

Amended

The 1st

Govt. of 1870 Madras.

PUBLIC WORKS.

To the Superintending Engineer
11-4-70 (Circular)

554

Date

Recd.

11-4-70

a. 25th Dec. 1870 2845

Nos. 17/1472

Amended Works. The Public.
Municipal Committee for the
for certain works connected
with the Public Gas Works in
Fort St. George, Madras.