

(1) Number of pages _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	937	Press
34-35		Mis.
Dated	21 11	1870.

Not to be folded or roughly handled

No. 34. Read the following letter from Colonel E. A. FOORD, R. E., Superintending-Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Cuddalore, 12th March 1870, No. 213 :—

I HAVE the honour to forward, for the sanction of Government, a revised estimate, amounting to Rupees 6,790, accompanied by a comparative statement, for constructing a Subsidiary Jail with out-houses at Oosoor, in Salem.

One revised estimate.	„ comparative statement.	„ original estimate.
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2. In G. O., No. 92, of the 12th January 1869, an estimate of Rupees 4,970 was sanctioned for this work. The estimate, however, really amounted to Rupees 5,470. It was incorrectly added up, and the mistake was not observed in this office. The remainder of the excess (Rupees 1,320) over the sum sanctioned is to be ascribed chiefly to the unauthorized substitution of teak for junglewood in the roofing. Mr. Paynter, the Range Officer, who made this alteration, did not inform me of it till the woodwork had been ordered or partly received from Madras. The proper material to substitute for junglewood would have been palmyrah. The increased cost of the doors and windows is also to be attributed to their having been ordered from Madras.

3. The Range Officer states that a sufficient sum could have been saved from the masonry work to cover the increased price of the timber if the Talook Overseer Hennessy had been able to carry out the work correctly, whereas on two occasions he was obliged to pull down some of the work. The Overseer was no doubt careless and inexperienced, but the work was at the Range Officer's fixed station.

4. The expenditure last year was Rupees 1,597-5-4, and this year Rupees 4,182-4-4, against an allotment of Rupees 3,000. The excess which was incurred without authority was passed in G. O., No. 4,008, of the 24th December 1869.

5. I take the opportunity to bring to the notice of Government that a similar alteration has been made in the roofing of the other Subsidiary Jails in the range, and it is not likely that these works will be completed within the sanctioned estimates. Teakwood has also been substituted for junglewood in the roofs of the stables at the Remount Depot, and the estimate will be greatly exceeded in consequence.

No. 35. ORDER THEREON, 4th April 1870, No. 937.

CIVIL WORKS, No. 5.

WITH this letter the Superintending Engineer of the 5th Division submits a revised estimate of Rupees 6,790 for the construction of a Subsidiary Jail with out-houses at Oosoor, in the Salem District, for which an estimate of Rupees 4,970 was sanctioned in G. O., No. 92, of the 12th January 1869.

2. Colonel Foord explains that Rupees 500 of the excess is attributable to an error of calculation in the original estimate, and that the balance of Rupees 1,320 is due to teakwood having been substituted by the Range Officer without authority for jungle-wood in the roofing, and to an increase in the cost of the doors and windows.

3. The use of teak for junglewood in the construction of the roof will no doubt be attended with greater durability; but the previous sanction of Government

*Proceedings of the Madras Government, Public Works Department,
4th April 1870.*

should have been obtained for the substitution of one material for another, especially where so considerable an outlay was involved, and the Government must, therefore, express their decided dissatisfaction at the conduct of the Range Officer in failing to perform this obvious duty. Under the circumstances the Government will not object to sanction the revised estimate of Rupees 6,790.

4. It will be pointed out to Colonel Foord that the subject of the excess outlay referred to in paragraph 5 should form the subject of a separate communication and be accompanied with revised estimates in each case.

(True Extract.)

Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 5th Division
 " Controller of Public Works Accounts
 " Judicial Department.

Exd. A. S. Rodgers.

№ 213

Superintg. Engineer's Office, 5th Division,
Cuddalore, 12th March 1870.

Firmi,

Colonel E. A. Ford R.E.,

Superintg. Engineer, 5th Divsion.

L.

Admiral Charles. F. G. R. E.,

Secretary to Government,
Public Works Department.

Sir,

Enclosures. 3

Revised estimate
Comparative
Statement
Original estimate

I have the honor to forward,
for the sanction of Government, a revised
estimate amounting to \$6790.,
accompanied by a comparative state-
ment, for constructing a Subsidiary
jail with out houses, at Cassor in
Salem.

2. In G.O. No 92 of the 12th of January 1869, an estimate of Rs 4,970⁰⁰ was sanctioned for this work. The estimate, however, really amounted to Rs 5,470⁰⁰. It was incorrectly added up, and the mistake was not observed in this office. The remainder of the excess [Rs 1,320⁰⁰] over the sum sanctioned is also ascribed

Proceed

should have
where so con
express their
to perform t
object to sa

4. It
outlay ref
cation and

ascribed chiefly to the human tendency
substitution of khat for jungle wood in
the roofing. Mr. Sayer, the Range
officer, who made this alteration, did
not inform me of it till the work
had been ordered or partly received
from Madras. The superior material
to substitute for jungle wood would
have been palmaria. The increased
cost of the doors and windows is also
to be attributed to their having been
ordered from Madras.

To the Sup
" Con
" Juc

The Range Officer states
that a sufficient sum could have been
drawn from the masonry work to cover
the increased price of the timber, if the
Mr. Sayer had been able
to carry out the work correctly, whereas
on this occasion, he was obliged to find
some of the work. The masonry
was not done, careless and inexperienced,
and the work was at the Range Officer's
find that is.

Exd. A.

The expenditure last year
was Rs 1547.50, and this year
Rs 172.50, against an allotment of
Rs 3000. The excess, which was
incurred

incurred without authority, was passed
in G. O. No 4008 of the 24th December 1867.
5.

I take the opportunity to
bring to the notice of Government
that a similar alteration has been
made in the roofing of the other
Subsidiary jails in the range, and
it is not likely that these works
will be completed within the sanc-
tioned estimates. Teakwood has
also been substituted for jungle
wood in the roofs of the Stables at
the Remount depot, and the estimate
will be greatly exceeded in consequence.

I have the honor to be
Sir,
Your most obedient Servant.

Edwd Colvill R.E.,
Superintg Engineer.

40234

[illegible]

The Secretary of the
 Executive Committee
 of the American
 Society for the
 Advancement of
 Science
 125 West 4th St.
 New York City
 N. Y.

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Fifth Division D. P. W. New Works.

Ossor Range. . . . Ossor Talig.

Abstract of a Revised Estimate of 1869.70.

York: Constructing a Subsidiary Jail and out houses at Ossier.

Quantities	Description of Work	Rate Per	Amount Total
	<u>Fail:</u>		
0	Cut yds of Excavating foundation	14 Cps	9 2 8
38 ³³ / ₇₂	do of Brick work in chunam	4 do	1233 139
1 ⁷ / ₈	do of Circular Arch work in do	5 do	9 6
5	do of Flat arch work do	4 8 do	22 8
67	Squares of Plastering with 2 coats of chunam	3 8 Sqr	234 8
47	do of Whitewashing	2 do	8 6
7 ¹ / ₅	do of Flooring with Asphaltic including of underflooring with brick jelly lime stone	20 do	144
28 ¹ / ₄	do of Roofing with teak wood couplers, rafters, bresssummers wall plates flat and pan tiles and chunam borders	55 do	1553 12
8 ³ / ₂₅	do of Flooring with 8 Sqr bricks laid in chunam and tared	8 do	64 15 4
6	Iron barred windows without shutters Complete made of teak wood 4'x3'	16 7 4 Cash	98 12
1	Ventilator window with frame complete made of teak wood 4'x6'	39 do	39
4	Teak wood doors with frames complete 1/3 panelled and 2/3 iron bars 4'x6 ¹ / ₂	59 12 6 do	239 2
	Carried forward		3657 5 9

Brought forward _____ 3657 5 9
1. Venetian door with frame complete _____
 made of teak wood (4x7) _____ 44 2. Each 44 ..
7. Jungle wood Weather boards forwards- 6 .. do. 42 ..
Sundries and Petty establishment _____ 3743 5 9
 Compound wall _____ 195 6 3 3788 12 ..
142 Cub. yds of Excavating foundation _____ 1 4 0 3/4 11 13 4
411 1/2 do of Stone in chunam _____ 3 8 .. do 1440 4 ..
1 Gate in halves of teak wood (10x6) _____ 60 .. Each 60 ..
Sundries and Petty establishment _____ 1512 1 4
Add the Cost of Hospital shed _____ 107 14 8 1620 ..
 do of Cook _____ 440 ..
 do of Latrine _____ 230 ..
Compensation for land _____ 500 ..
Total Amount of Estimate Rs _____ 61 4 ..
Deduct the Amount already
Sanctioned in G. O. No 92 dated
12th January 1869 _____ 4970 ..
Balance requiring sanction _____ 1820 ..

Ooroor Range Office
Darampurg 21st February
1870

[Signed] L. W. Pagalar.
Assistant Engineer
Ooroor Range

Edw. Dr. Colwell
Superintending Engineer

Superintending Engineer's Office
Salem 12th Novr. 1868

Edw. Dr. Colwell
Superintending Engineer

Chas. S. S. S.
Collector of Salem

Amount of Estimate Rs 500

Abstract of a demand for
constructing a substantial
fence and cut houses at
Ossoor.

11/11/1870.

Wm. Duncan, R.P.W.
Salem District.

Total Amount of Estimate Rs 500

Deduct the Amount already
sanctioned in G.O. No 92 dated
12th January 1869

Balance requiring sanction 150

Ossoor Range Office
Darampuri 21st February
1870

Signed / L. W. Bayliss
Assistant Engineer
Ossoor Range

Edw. Colwell
Superintending Engineer

Brought forward 2724 14

7 Weather boards for windows made
of junglewood Each 6 42
4 Wooden posts for verandahs do 3 12
Sundries and Petty establishment 2778 12
140 2918 12

Compounded Wall

142 Cub. yds of Excavating foundation C.P. 14 11 3 4
27 do of Brick structure do 3 11 11
1 Gate in two halves made of oak
and complete lock Each 60 60
1262 13 4
Sundries and Petty establishment 57 2 8 1320
Add the Cost of Hospital Shed 440
do of Cook Shed 230
do of Latrine 500
Compensation for land 61 4
Total Amount of Estimate Rupees 4970

Superintending Engineer's Office
Decr 12th Novr 1868

Edw. Colwell
Superintending Engineer

Chas. Foster
Collector of Salem

Civil Buildings
Salem District.
Title Division D.P. No. 116.
Osseon Range.
Osseon Taluk.
Abstract Estimate of 1888, 89.
Work: Constructing a Jail and Subsidiary buildings at Osseon

Quantities	Description of Work	For Rates Amount
110	Cut up of Excavating foundations	Cy 110 . 14 9 28
310	do of Brick work in Chumam	do 310 . 4 . 1220 .
305	do of Circular archwork in Chumam	do 305 . 4 . 1220 .
178	do of Flat arch work in	do 178 . 5 . 890 .
5	do of Flat arch work in	do 5 . 4 8 . 22 8 .
67	Squares of Plastering with 2 coats of Chumam	Sq 67 3 8 . 254 8 .
67	do of Whitewashing	do 67 . 2 . 134 8 .
7 1/2	do of Flooring with Asphalt inclusive of underflooring with brick jelly lime stone	do 7 1/2 . 20 . 144 .
8 3/25	do of Flooring with 8" square bricks laid in chumam and tarred	do 8 3/25 . 8 . 64 15 4
28 1/2	do of Roofing with Coupler, reapers, bressummers, wall plates, flat and pan tiles, Chumam borders wood work to be of junglewood	do 28 1/2 . 791 .
6	Iron barred windows without shutters	do 6 . 11 . 66 .
1	Complete made of teak wood 4x3	do 1 . 25 . 25 .
1	Window window with frame complete made of teak wood 4x6	do 1 . 25 . 25 .
4	Teak wood door with frames complete one third panelled and two thirds with iron bars 4x6 1/2	do 4 . 25 . 100 .
1	Window door with frame complete made of teak wood 4x7	do 1 . 30 . 30 .
	Carried forward	2726 14

Civil Buildings		Title Division D.P. No. 116.		Osseon Range.		Osseon Taluk.		Comparative Statement showing the Difference between the Original and Revised Estimate for Constructing a Jail and Subsidiary buildings at Osseon		Increase		Decrease		Remarks	
Description of Work	Unit	Quantities	Chales	Per	Amount	Quantities	Chales	Per	Amount	Quantities	Amount	Quantities	Amount	Balance	Remarks
<u>Jail.</u>															
Excavating foundations	Cy	110	. 14	Cy	9 28	110	. 14	Cy	9 28	110	. 14	110	. 14	110	14 9 28
Brick work in chumam	do	305	4 .	do	1220 .	305	4 .	do	1220 .	305	4 .	305	4 .	305	1220 .
Circular Arch work in Chumam	do	178	5 .	do	890 .	178	5 .	do	890 .	178	5 .	178	5 .	178	890 .
Flat	do	5	4 8 .	do	22 8 .	5	4 8 .	do	22 8 .	5	4 8 .	5	4 8 .	5	22 8 .
Plastering with 2 coats of Chumam	Sq	67	3 8 .	Sq	254 8 .	67	3 8 .	Sq	254 8 .	67	3 8 .	67	3 8 .	67	254 8 .
Whitewashing	do	67	. 2 .	do	134 8 .	67	. 2 .	do	134 8 .	67	. 2 .	67	. 2 .	67	134 8 .
Flooring with Asphalt inclusive of underflooring with brick jelly lime stone	do	7 1/2	20 .	do	144 .	7 1/2	20 .	do	144 .	7 1/2	20 .	7 1/2	20 .	7 1/2	144 .
Flooring with 8" square bricks laid in chumam & tarred	do	8 3/25	8 .	do	64 15 4	8 3/25	8 .	do	64 15 4	8 3/25	8 .	8 3/25	8 .	8 3/25	64 15 4
Roofing with junglewood, coupler, reapers, bressummers, wall plates, flat and pan tiles, Chumam borders	do	28 1/2	791 .	do	791 .	28 1/2	791 .	do	791 .	28 1/2	791 .	28 1/2	791 .	28 1/2	791 .
Roofing with teak, wood-doors	do	6	11 .	do	66 .	6	11 .	do	66 .	6	11 .	6	11 .	6	66 .
Iron barred windows with shutters	do	1	25 .	do	25 .	1	25 .	do	25 .	1	25 .	1	25 .	1	25 .
Complete made of teak wood 4x3	do	1	25 .	do	25 .	1	25 .	do	25 .	1	25 .	1	25 .	1	25 .
Window window with frame complete made of teak wood 4x6	do	1	25 .	do	25 .	1	25 .	do	25 .	1	25 .	1	25 .	1	25 .
Teak wood door with frames complete one third panelled and two thirds with iron bars 4x6 1/2	do	4	25 .	do	100 .	4	25 .	do	100 .	4	25 .	4	25 .	4	100 .
Window door with frame complete made of teak wood 4x7	do	1	30 .	do	30 .	1	30 .	do	30 .	1	30 .	1	30 .	1	30 .
<u>Junglewood Weather boards for Wards</u>															
do	do	7	6 .	do	42 .	7	6 .	do	42 .	7	6 .	7	6 .	7	42 .
Wooden posts for verandah	do	4	3 .	do	12 .	4	3 .	do	12 .	4	3 .	4	3 .	4	12 .
Sum & Petty establishment										189 14 .	3938 12 .	1823 .	803 .		
										2918 12 .					

are substituted for these.

W.D.P.W.
 Street

10/20/70.

Statement
 Difference
 equal and
 rate for Con-
 and
 buildings at

Estimate
 Rs. 6790

Supervising Engineer
 33 Park Lane

Balance required

400	Rs. 400
230	Rs. 230
500	Rs. 500
614	Rs. 614
4970	Rs. 4970
Total amount of Estimate Rs.	
Sanctioned by G.O. No. 92 dated 12 January 1869	
Commissioner of Land	
Colonial Office	
Canal from	

Commissioner of Land
 21 February 1870

P.W. Department
 937
 Proceedings of the Madras Court
 Under date the 6th April 70

Read the following
 From The Superintendent
 Engineer 5th Div
 No. 213 of 12 March 1870

The Charge Officer should be
 more directly concerned for
 so large an unauthorised
 increase of expenditure.
 The building is nearly completed
 with perhaps a half
 of the funds.

With this letter the Sup-
 erintendent of the 5th Div. sub-
 mitted a revised estimate
 of Rs. 6790 for the com-
 pletion of the subsidiary
 buildings with out-houses etc.
 of 2000 square feet
 for which an estimate
 of Rs. 4970 was sanctioned
 in G.O. No. 92 of the 12th
 January 1869.
 Colonel Forde ex-
 plains that Rs. 500 of
 the excess is attributable
 to an error of calculation
 in the original estimate

Cue 1020

Govt. of 1870: 31111

PUBLIC WORKS.

The Superintendent Engr.
5th Division

Date

From

3

G. O. 1/2/1870, No. 187

Nos. 34-35

Subsidiary Jail Revised Estimate
No 6790 for the construction of
Subsidiary Jail with outbuildings
at Popool in the Salem Co., New
Jersey.