

Public Works (1898) Department.

cn 4600

G.O., No. 1137

DATED 9th May 1898

Truff

18/5/98

[Despatch Abstract.]

Works at Manapand : The variation statement for — in the June 1898, as submitted by the Supdt. of Works, Kight House St., sanctioned and the amount of estimate increased from Rs 46,250 to 51,230.

=

~~110~~

2/9/5

10/8

Government {1898} of Madras.
PUBLIC WORKS.

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MAY.

The deviation statement for — in the Tinnevely district, as submitted by the Superintendent of Works, Lighthouse Division, sanctioned and the amount of estimate increased from Rs. 46,250 to Rs. 51,230.

A
 (1) The Honble Secy Henry B. K.C.E.
 (2) H.B. the Govt.
 Papers to be read in Proceedings :-

Again G.O., dated	189 , No.
Again G.O., dated	189 , No.
Current No. 3.404	of 1898, dated 16th April 1898, from The Supt of Works L.H.D.
" "	" 1898, " April 1898 " the Chief Engr. P.W.D.
" "	" 189 , " " "

M. R. Bulwer
UP

ORDER. No. 1137 W 9-5-98

The deviation statement for works at Manapad in the Tinnevely District, as submitted by the Supt of Works Light House Division, is sanctioned and the amount of estimate increased from Rs 46.250 to Rs 51.230.

AD 2/5/98
A.S.H.
5.5.98
B after min

ASW
29.4.98
Ch
P.K.S.
29.4.98
W

Note. The Causes of excess are dealt with in the accompanying technical note. The excess is unavoidable and could have been foreseen. This is commended for P.K.S. sanction. *29.4.98*

Y.
 The Supt of Works L.H.D.
 - Engr P.W. Dept
 - Marine Dept
 17/5/98

4.29.4.98. R 3.5-98 #4586
 made in this up to the common

Godowns are very necessary
as the keepers must store
fuel in considerable
quantities for use.
Details of expenses and
deviations are shown in
the comparative statement.

10-7-01.
23.4-98

The following note might
accompany the C &
note by W.

Manupad is in a very in-
accessible locality, where little
work has ever been carried
out, & skilled labour is dif-
ficult to procure & still more
difficult to retain. The data
for determining rates have
in consequence been hitherto
both scanty & uncertain. The
substitution of bulks in cement
material in place of sandstone is
very necessary and is recom-
mended, together with the in-
crease of rates proposed by the
Supt of Works, for the sanction
of Govt. AOK

29.4.

BACK PAGE

Public Works Department.

Current No. 3404
Letter No. 968

Dated 16th April 1898

From the Supt. of Works Dept.
House Division

NOTE BY TECHNICAL SECTION.

Name of work Deviation Waterment
in works at Manapand
Tinnivelly District -
Est. No. 57230.

The Superintendent, Light
House Division submits
for favour of sanction a
deviation statement in works
at Manapand being
No. 4980 in excess of original
estimate of Rs 46250 - The
deviations are as follows:-

	Original Estimate	Revised Estimate
Towers	32500	35800
Constructing Light House	8200	8900
Reconstructing - do -	2200	3200
Inspecting Officer's	2200	2600
Value of Red Material added	900	480
One Look House not required	250	250
Total	46250	57230

* of this excess Rs 3300
is due to alterations in
materials in the tower which look house
were unavoidable, a Rs 700 oil store
is due to old materials being
found under which

Rs. The total excess of Rs 4980 is 80
Rs 8770 below the provision
made in this light in column

7 page 15 of the report printed with G.O. No 245 Marine dated 8th April 1896.

There are no deviations in quantities, except in concrete in the lower, so that the estimates are not re-submitted. The principal deviation is substituting brick in cement mortar for sandstone in masonry already verbally approved by the Chief Engineer. The chief difficulty is sandstone which, besides not being of as good quality as anticipated, has a very limited demand and stone cutters are, in consequence, scarce. The rates had therefore to be raised. The other deviations as explained in inspection notes attached to estimate are principally due to an increase of rates owing to labour difficulties & to the retention of existing native light keepers quarters as kitchen & godowns which reduces the value of materials to be obtained from old buildings -

+ which is reduced in amount. *W.H.L.*

The sandstone in this locality weathers badly. Mr. Aspinall spoke to me about this some time ago. I told him that the local sandstone weathers so badly that it was quite unfit for use in such an exposed position. I approved of the substitution of brick (I named them Colombo!) in cement. *W.H.L.* There is great trouble in getting work done here, as I know by experience.

Public Works (1898) Department.

CURRENT No. 3404

163 W 6.97 ✓
16 W 3.98
53 W 3.99

From The Supt. of works
Light House &c.

No. 968

Dated 16 April 1898

Received
Registered } 15. 4. 98
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SUBJECT.

Submitting for favour of sanction a deviation statement for works at Manapand, Tennevally District.

o.L.S 65 19/5

Egmore, Madras,

No.

From

F. W. ASHPITEL, Esq.,

SUPERINTENDENT OF WORKS,

LIGHT-HOUSE DIVISION,

Madras,

To

THE Secretary to Government,
Public Works Department.

SIR,

SIR,

I have the honor to forward herewith for favour
of sanction a deviation statement for works at
Manupand.

deviation
to substitution

Manupand.

(2) The principal deviation viz the substitution of brick in cement mortar for sandstone in Churam has already been verbally approved by you. The other deviations as explained in my inspection notes herewith forwarded are principally due to an increase of rates owing to labour difficulties and to the retention of the existing native light-keepers quarters as Kitchens & godowns which reduces the value of materials to be obtained from old buildings.

(3) There are no deviations in quantities except in concrete for the tower so that the estimates are not resubmitted.

I have the honor to be,
Sir,
your most obed^t. servant,

Washburn
Superintendent of works
Light Horse Division

29P

Inspection Notes Manapada Light house

to end of March 1898.

The following materials have been collected.

Sandstone about 4000 stones

Lime 300 cft

Cement 30 tons

All woodwork

Sand 3000 cft.

The work has been much delayed owing to the very indifferent labour which is available, ^{and} ~~owing~~ to the jaggery season, but I hope our troubles in this respect are now at an end. The foundations for the tower and one set of quarters are being excavated. The chief difficulty is sandstone which, besides not being of so good quality as was expected, is very difficult to obtain for want of labour. There is, as a rule, a very ^{and consequently, a limited number of stone cutters,} limited demand for this stone, and we find it very difficult to get the men to work regularly. The estimate allowed Rs 9-11-0 per 100 cft and was based upon the prices ordinarily paid in the village and said to be ample. When contracts were given out, however, at this rate, it was found that there was a local custom that all stones

no

no matter what shape must be taken and paid for, and we were told that stones 6" thick at one end and 2" at the other had always been accepted as 4" thick and if we did not do so the stone cutters would not work. The result of rejecting these stones was a general strike which lasted for a considerable time. I have now raised the rate to 6 annas per 15 stones of the proper thickness or about Rs 13/- per 100 cft allowing the stone cutters to sell rejected stones and have undertaken the cost of conveyance to workshop at 4 annas per 100 and agreed to sharpen tools without charge. This last concession is necessary as otherwise coolies waste half their time in the village getting their tools repaired. With all these concessions I do not think we shall get more than 300 stones per working day and it will take 10 months to get the full supply. Under these circumstances I propose to construct the tower of brick in cement mortar 1 to 3 as already explained in person and to raise the rate for sandstone in Churnam from Rs 23/- to Rs 28/- per 100 cft. The proposal to construct the tower of brick in cement mortar is however

chiefly

chiefly based on the fact that on further examination of existing buildings I do not feel justified in retaining sandstone in Churnam for this important work. The sandstone is not particularly good quality and we have failed to find the harder stone we believed to be available. The mortar also in existing buildings does not seem particularly good. The effect of these proposals is as follows:-

	Original Estimate	Revised Estimate	
Tower	32500	35800	
Constructing Light keepers quarters	8200	8900	
Reconstructing ditto	2200	3200	Value of old material reduced
Inspecting officers quarters	2200	2600	
Cook house	900	480	one cook house not required.
oil store	250	250	
	46250	51230	

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or a total excess of Rs 4980 which is still Rs 8770 before the provision made for this light in column 17 page 15 of the report printed with G. O. no 245 Marine dated 8: April 1896. I regret that these alterations in the estimate are necessary but no large work has been carried out in the neighbourhood

wood before and rates are not easy to determine
forhand for departmental work. The extra
amounts allowed for provide additional sums
for sheds (Rs 500) as the construction of these
has had to be of a much more permanent
nature than is customary owing to the exposed
site. I have also reduced the value of
materials from old building partly because
they do not appear on further inspection to
be worth Rs 1000/- or anything like it, the
sandstone of which they are constructed
being very inferior but also because it is
now proposed to retain the old native light
keepers quarters and convert them into kitchens
and godowns. Godowns appear to be very
necessary as the keepers must bring firewood
in considerable quantities and store it for use.

I have marked out the buildings on the assumption
that the retention of the godowns will be approved
having obtained the approval of the Presidency
Post officer.

Deviation statements are submitted for sanction.

W. H. Capital

Superintendent of Works
Light house Division

025.1
3406 (55)

Compd
L. H. 4.5.51.