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(3) Initials of the Referencer long

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

G.O. No.	4171.W.	Press.
B.P. No.		Mis.
Dated	29-10-1878	197.

Not to be folded or roughly handled

4171
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

29th October 1878, No. 4,171 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 318. Endorsement of the Acting Chief Secretary to Government, dated Ootacamund, 26th September 1878, No. 1,745.

From J. H. TAYLOR, Esq., Lieutenant, R.N.R., Master Attendant, Administrative Department, to C. G. MASTER, Esq., Acting Chief Secretary to Government, dated Madras, 24th September 1878, No. 7,155.

I HAVE the honor to submit, for the sanction of Government, the accompanying

estimate* received from the District
Engineer, Vizagapatam, for repairs to the

Santopilly Lighthouse, amounting to Rupees (112) one hundred and twelve, and to solicit that funds may be allotted for the execution of the work. A sum of Rupees (1,250) one thousand, two hundred, and fifty has been provided in the current year's Budget, Public Works Department, for repairs to Lighthouses, &c., and, as the whole amount is not likely to be required for the lighthouses specially mentioned, the above sum may be provided from this source.

TRANSFERRED to the Public Works Department for disposal.

(Signed) C. G. MASTER,
Acting Chief Secretary.

No. 319. ORDER THEREON, 29th October 1878, No. 4,171 W.

THE estimate of Rupees 112 for repairs to the Santopilly Lighthouse can be locally sanctioned. The sum of Rupees 1,250 to which the Master Attendant alludes has in the final issue of the Imperial Budget been distributed to particular works, and it is left to him to propose a transfer from any of the items.

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

To the District Engineer, Vizagapatam, with Estimate.
" Examiner of Public Works Accounts.
" Marine Department.

Exd. A. S. Rodgers.
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clay

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1878) Madras.

PUBLIC WORKS

The DISTRICT ENGINEER,
VIZAGAPATAM.

do. do.

Dated October 29th.

To

By

For

G. O. 301A under 1878, No. 4171 W.

OCTOBER.

No. 318-319.

Santapally Lighthouse, Vizagapatam.
Informing that the estimate for the work to be done is locally sanctioned and funds to be obtained by transfer.

Specification to accompany Estimate of the
Probable cost of the necessary repairs required
for the Government property at Santapalli
Light house.

Estimate Pages 112

Teak wood The wood used to be of the best seasoned
Teak free from all flaws and cracks or
other defects.

Terraced Roofing To be composed of bricks (5" x 3" x 1") laid
on edge in chumam, over which 3" inches of brick
Jelly will be laid on in two layers of 1 1/2 inch
each and well chopped till hard and
finally 3 coats of plaster given on top and
to coats of plaster to ceiling. Plastering with
three coats of chumam, the 1st to be composed of
one part of lime to one and a half of river sand
before applying this coat the joints should
be well raked as for pointing and the
surface of the work and inside of the joints
must be well wet when they are swept
clean. The second coat to be composed
of one part of lime to one of fine river sand
freed from the coarse particles and from
clay

clay by sifting. It should be well mixed and beaten up in a clean trough and applied over the first coat a quarter of an inch in thickness the first coat being previously moistened with a little water. The third coat to consist of four parts of lime to one of fine white sand and applied with a wooden rubber to the thickness of $\frac{1}{2}$ of an inch and gently rubbed till it becomes perfectly smooth after this coat has been applied another coat of a still finer plaster should then be put on consisting of pure lime ground to a very fine paste and afterwards mixed with water in a clean tub till it is of the consistency of cream. This is put on about $\frac{1}{16}$ of an inch thick with a brush and rubbed gently with a trowel after which it is to be rubbed with a stone rubber.

The plastering to consist of two coats of chumam rendering and a floating coat for a rendering coat the work is to be prepared by raking out the joints as for pointing and the surface of the work and inside of the joints must be well wet when they are swept clean. The rendering coat

Plastering with
2 coats of chumam
& whitewashed

coat to consist of two parts of well slaked lime and 3 parts of clean sharp river sand. A day or two after the first coat is put on and while it is moist the 2nd coat is to be applied. The plaster used for the second coat to consist of 3 parts of lime and one of white clean sharp river sand: these are to be mixed as before and afterwards ground on a flat stone with a small stone roller till they are reduced to a fine paste.

During the Progress of the work the plaster is to be occasionally sprinkled with a little pure lime mixed with water to give a hard and even surface.

Whitewashing. To consist of two coats of shell lime mixed with conje water and gum: the following are the proportions to be used for 10 Sgrs (1 Parah of shell chumam $\frac{3}{4}$ measure of rice and $7\frac{1}{2}$ Polleons of gum)

Blue washing Blue washing is the same as that of white washing except that 400 burnt cocoanut shells or $\frac{1}{4}$ Parah of charcoal are to be added to the mixture.

Bamboo matting } The mat for the floor to be made from the skin of bamboos and to be compact.
Rough stone } The stones used to be good size not less than one foot cube: large stones to be roughly hammer dressed to allow of their resting evenly

evenly on the bed without leaving hollows
intending to be filled in with stone chips
or broken bricks. The stones to be carefully
set and bonded together care to be taken
that bond stones the full width are
placed at frequent intervals, each WW
course to be well grouted. The proportions
for lime and sand to be 2 parts of lime
and 3 parts of sand.

The door proposed for the Assistant Door.
Superintendent's quarters to be made from
the best seasoned country wood free from
all flaws and cracks or other defects, and
cut to the dimensions shown in the Estimate.
The door and windows are to be repaired
with new hooks and bolts wherever required,
the hooks and bolts to be made red
hot and plunged into tar before
fixing.

The present pantiles of the roof will Turning tiles
be removed and the flat and pantiles
that are bad be replaced by new
ones. The flat tiles to be laid on
the rafters with mortar between the
joints. The pantiles are then laid
over them in rows touching each other
from top to bottom. The pantiles to
overlap

overlap not less than $\frac{3}{4}$ of their length
and the overlap to be uniform throughout.
A second course of pantiles then to be
laid with their convex sides upwards
and overlapping each other. These to be
placed so as to cover the intervals between
the rows in the first course. New
cheamam borders are to be laid on
the roof wherever required.

Brickwork
in cheamam.

To be built of bricks ($9 \times 4\frac{1}{2} \times 2\frac{1}{4}$) in English
bond uniform in size thoroughly and equally
burnt well and equally shaped: all
bricks to be thoroughly saturated with water
before being used: every second course
to be grouted with fluid mortar. No joints
to be more than $\frac{1}{2}$ thick: every part of the walls
must be equally and soundly built and
every course must be levelled off before
another is commenced. During the progress
of the work the portion on which the workmen
are not engaged must be kept covered
with wet straw or mats. No half bricks
to be allowed. The proportions for lime and
sand to be 2 parts of lime and 3 parts of
sand.

said.
On completion of the work all
rubbish to be cleared away and the
premises left in a clean condition.

Vizianagaram Range Office
Humbly

27 August 1878.

W. de Souza
Range Officer
Vizianagaram

M.
D.

Major R.C.
District Engineer
Vizagapatnam.

Administrative Department.

No. 7155

MADRAS,
Marine Office,
24th September 1878.

From

J. H. TAYLOR, Esq., Lieut., R.N.R.,

Master Attendant,

Administrative Department,
Madras,

To

C. G. Master Esquire

Acting Chief Secretary to Government,

Marine Department,

Fort Saint George.

SIR,

I have the honor to submit for
the sanction of Government the accompanying
estimate, received from the District
Engineer, Vizagapatam, for repairs to
the Santapally Lighthouse, amounting to
Rupees (112-) one hundred and twelve,
and to solicit that funds may be allotted
for the execution of the work. A sum
of Rupees (1250) one thousand two hundred
and fifty has been provided in the
current year's budget, Public Works Depart-
ment, for repairs to Lighthouses &c, and
as the whole amount is not likely to be
required for the Lighthouses specially
mentioned, the above sum may be provided
from

* to be returned

Specification to

accompany Estimate

of the probable cost

of the necessary repairs

required for the

Government Lighthouse

Santapally Light House.

Estimate Rupees 112

Received 29/9/78

N. 1745 1898 Sept

Transferred to the Public Works Department.
: sent for disposal.

26. September/98

To the Public Works Department.

Chief Secy

Advocate for sanction
estimate amounting to
Rs. 1250 for repairs to
the Santapilly Light House

Enclosure.

No. 11038

Dated 24 }
Received 26 } Sept 1898.

To
The Chief Secretary to Govt.,
Marine Department,
Fort Saint George.

From
The Master Attendant,
Administrative Department,
Madras.

Marine Dept's Report
(Sd/-)

Not to be sent out.

Genl. Secy. Check. 20/9.

Ady 25/10/98 Date 31-10-98

L. Seal 105 Sept.

377
L. Seal

No 41716

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 29th Oct 98.

Read the following:—

From the Marine Department (N. E. No. 1745-d/26 Sept 1898)

The estimate of Rs 112
for repairs to the Santapilly
Light House can be locally
sanctioned. The sum
of Rs 1250 to which the
Master Attendant alludes
has in the final issue
of the Imperial Budget
been distributed to
particular works, and
it is left to him to prepare
a transfer from any
of the items.

Chief Engineer's Order

Ex. P. D. No. 11038

Marine Dept

25.10.98

This sanction has been
registered as Imperial No. 11038 of
1898.

25/10

11032

Govt. of 1878 Madras.

PUBLIC WORKS

To

The Director & Eng.

Dated

Vijayapuri

Issued

Recd.

Encl.

G. O. 29 Oct 1878, No 417nd

No. 3/8539

Santapally Light house
by Captain

Anticipating that the
estimate for the —
can be locally sanctioned
and funds to be obtained
by transfer.

Curry & Co.