

(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.	2451.c	Press
B.P. No.		Mis.
Dated	28. 8.	1957
		18/4

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
28th August 1874.*

No. 716F. Read the following letter from Colonel F. J. MOBERLY, R.E., District Engineer, Chingleput, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Guindy, 15th August 1874, No. 1,735 :—

3 Estimates.			
1 Copy of letter:			rs.
1. Estimate for repairing the Superintendent's Quarters etc., connected with lighthouse at Pulicat	...	900	
2. Do. removing silt from the Boat channel to lighthouse	...	400	
3. Do. forming road from Pulicat lighthouse sandy hill to the boat channel	...	170	

At the request of the Master Attendant in his letter No. 4,858, 10th instant, (copy herein enclosed), I have the honor to forward, for an allotment of funds, estimates for works as per margin, approved by that officer, as he cannot spare funds from the Marine Budget.

No. 716G. ORDER THEREON, 28th August 1874, No. 2,451-C.

CIVIL WORKS, No. 44B.

Minor New Works and Repairs to lighthouses, of which a schedule should be submitted before the 31st instant, by the Master Attendant, Administrative Department.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Master Attendant, Administrative Department.
" Superintending Engineer, Chingleput.
" Officiating Controller of Public Works Accounts.
" Marine Department.

Exd. E. C. Shunker.
Spare Copies

No. 1735

CHINGLEPUT DISTRICT ENGINEER'S OFFICE

Guindy, 15th August 1874

From

THE DISTRICT ENGINEER,

Chingleput.

To

Colonel G. M. Walker R. E.
Secretary to Government P. W. D.

Sir,

At the request of the Master
attendant in his letter N^o. 4858

Enclosures
3 Estimates
1 Copy of letter.

- 1 Estimate for repairing the Superintendent's Quarters & connected with Light House at Pulicat Rs. 900.
2 - do - removing silt from the Boat Channel to Light House Rs. 400.
3 - do - forming road from Pulicat Light house Sandy hill to the Boat Channel Rs. 170.

10th instant (Copy herein enclosed) I have the honor to forward for an allotment of funds, estimates for works as per margin approved

by that Officer, as he cannot spare funds from the Marine Budget.

I have the honor to be,

Sir,

Your most obedient Servant,

G. M. Walker

Colonel, R. E.,

District Engineer Chingleput.

Administrative Department

Madras -
Marine Office
10th August 1874

No 4858

From

The Acting Master Attendant
Administrative Department
Madras.

To

The District Engineer
Chingleput

Sir

I have the honor to acknowledge
* Enclosures returned receipt of your letter No 1419 of the 28th Ultimo
and regret to inform you that the large -
amount required for the repairs &c of
the Lighthouse buildings at Pulicat can
not possibly be met from the Marine -
Budget, which has a sum of Rs 650 only
sanctioned for the lighthouse referred to
under the head of Contingencies. I would
therefore propose that the estimate be -
forwarded to Government for an allot-
ment of funds from the Public Works
Budget -

I have the honor &c
(Signed) J. H. Gayle
Acting Master Attendant
Administrative Department

(True copy)

J. H. Gayle
District Eng^r Chingleput

1775 1874
From
No. 4858
10th Aug 1874

THE DISTRICT ENGINEER

CHINGLEPUT

To

THE SECRETARY TO
GOVERNMENT

Dated

15th Aug 1874

No. 1735

ENCLOSURE 4

Off out with 3 technical
attaches to the works
required for the light
house at Pulicat
and request to allot
for the same

R.O. No. 24510.28.874

Expenditure 17.18.74

July 6 & 7

Specification Report

This Estimate provides for the following repairs:

Roofing — Removing the tiles of the Superintendent's quarter set houses & Lascars lines and replacing with $\frac{1}{2}$ " new tiles $\frac{1}{4}$ " palisade repairs chimneys borders &c. except bath room which requires an entirely new roof.

Flooring — This is sunk in many places throughout, to be removed and rebuilt with $\frac{1}{2}$ " new 8" sq. tiles.

Walling — That of Cook house block which exhibits many cracks to be removed to a depth of 6 ft deep, and rebuilt to a height only of 4 feet of brick in clay plastered with chinam to be well bonded the roof to be removed and replaced on completion of Bath Room to be renewed, and new screen walls for Lascars line to be built to keep off spray and sand &c. Plastering & repairs in patches where necessary throughout, the whole to be white washed, except Cook house which is to be blue washed.

Doors & Windows. — In Superintendent's quarter a window in office room and a Door in Verandah to be transposed as the Door is not needed in Verandah, and the window now in Office is used as a door, but in conversion owing to want of height &c. Ventilation panels in frames to be fitted in lieu

Mr 5731/74
 14. 27. 28. 29. 30. 31. 1/74
 In 15. 16. 17.

in lieu of Honey Comb work in outer walls. In the exposed position of building the latter does not answer the purpose as it permits sand and spray to be dashed through the building. Two attic windows for Ventilation to be placed in the gables of end walls. Two doors are provided, one to store room of Light house and the other to bath room. The whole of the Doors and windows to be painted. Lead Color likewise, Brass window in Superintendent's quarter, and Dome and railing of Light house.

All locks and bolts to be repaired, and a rattan blind to be provided for the front Verandah to protect the building from spray.

J. B. Anderson, Supervisor
 In charge No 1 or Seavoor Range
 Chingleput Dist.

Detailed Estimate of 1874/75
 "Fishing Ponding" District Chingleput
 Village Pulicat
 Work. Repairing the Superintendent's Quarters and bath houses connected with the Light house at Pulicat.

Particulars of work		Measurement in feet & inches	Contents
		Length Breadth Depth	
White washing	Inside	2 47-6-8	807-6
Do	Entrance	9-3-8	157-3
Do	Passage	6-14	84-0
Do	Lower side of column	16-8-8	128-0
Do	Side wall	100-5-10	1650-0
Do	Steps	6-2-10	402-0
Do	Buttress column	32-6-6	875-0
Do	East side of Do	38-9-14	542-6
Do	Side with parapet	29-16-7	301-6
Do	North & South side	2-16-9	527-7 1/2
Do	Front	35-16-9	586-3
White washing	Front wall of South Verandah	12-12	144-0
Do	Crack wall	2 10-9-9	195-0
			Brought Over 6370-7 1/2

Whitewashing, cross wall of South	Brought Forward	6370-7 $\frac{1}{2}$	
Do West Verandah	2 8-6 9-9	165-9	
Do Side walls	2 8-6 7-6	127-6	
Do West Verandah walls	1 25-9 12-	309-	
Do	1 25-9 7-6	193-1 $\frac{1}{2}$	
Do Cross walls	2 8-6 9-9	165-9	
Do North West Verandah walls	2 8-6 9-9	165-9	
Do	2 8-6 7-6	127-6	
Do North Verandah walls	12-12-	144-	
Do Rear	12-7-6	90-	
Do Cross walls	2 8-6 9-9	165-9	
Centre Hall			
Do Wall	2 14-16-	448-	
Do Cross walls	2 12-16-	384-	
Do Gable	2 12-4-	96-	
Bed Room			
Do Wall	2 10-16-	320-	
Do Cross walls	2 12-16-	384-	
Do Gable	2 12-4-	96-	
Dressing Room			
Do Wall	7-3 16-	116-	
Do	7-3 9-	65-3	
Do Cross walls	7-3 12-6	90-7 $\frac{1}{2}$	
Carried Over		10024-7 $\frac{1}{2}$	

Office room			
Whitewashing Cross walls	2 8-6 9-9	165-9	
Do Side	2 8-6 7-6	127-6	
Do East Verandah wall	17-8-16-	272-	
Do	17-7-	119-	
Do Cross walls	2 8-6 11-6	277-9	
Do North East Verandah walls	2 8-6 7-6	63-9	
Do Cross walls	2 8-6 9-9	82-10 $\frac{1}{2}$	
Outside of Building			
Whitewashing Front side	2 11-3 9-	202-6	
Do West side	48-10 9-	432-	
Do North side	34-6 9-	310-6	
Do Bath room	27-7-6	202-6	
Do East side	37-9 9-	309-9 $\frac{1}{2}$	
Do Gable & corner	2 15-5-	150-	
Do West wall	28-1-8	85-	
Do Wall	7-6 8-9	67-7 $\frac{1}{2}$	
Do Cross walls	2 7-6 6-6	97-6	
Do	7-6 5-	37-6	
Godown			
Do Wall	4 10-12-	480-	
Do Gable	2 10-2-	40-	
Do Out side wall	25-12-	300-	
Do Cross walls	2 13-3 12-	318-	
Do Gable	2 13-4-	104-	
Carried Over		10068-1 $\frac{3}{4}$	

Whitewashing	Walls	Brought forward 14068-1/2	168 -
	Privy	14059-1/2	150 -
D.	Walls	28 - 10 -	160 -
D.	Cross walls	28 - 69 -	153 -
D.	D.	9 - 7 -	63 -

Whitewashing	Walls	613-96-6	536-3
D.	Cross walls	67-36-6	360-9
D.	Gable	69-1-6	81 -
D.	Front wall	313-96-	247-6
D.	Cross walls	64-65-3	141-9
D.	Out side walls	46-66-	279 -
D.	D. cross	216-96-	201 -
D.	Gable	12-2-	24 -
Total Squarefeet of			161.83 1/2
Square of Whitewashing			161. 83/100

Plastering	Light house	46-2-	48 -
D.	Front sides	40-2-6	100 -
D.	Platt floor	84-88-3	693 -

Plastering	South Verandah	12-3-6	42 -
D.	West D.	6-2-	12 -
D.	North west	12-2-	24 -
D.	Centre hall	10-3-	30 -
Carried Over			949 -

		Brought forward	949 -
Plastering	Bed room	16 - 1 - 6	24 -
D.	Dressing room	8 - 1 - 6	12 -
D.	Office D.	12 - 1 - 6	18 -
D.	East Verandah	20 - 2 -	40 -
D.	North East D.	14 - 2 - 6	35 -
D.	Bed room	10 - 10 -	400 -
D.	D.	10 - 4 -	40 -
D.	D.	2 - 4 -	8 -
D.	Godown	3 - 10 - 18 -	540 -
D.	D.	2 - 10 - 4 - 6 -	90 -
D.	D.	2 - 10 - 2 -	40 -
D.	D.	3 - 30 - 12 -	480 -
Total Squarefeet of			448
Squares of Plastering in ch			44 ⁴⁸ / ₁₀₀

Lead Painting	Light House	240
Window		20-3/2
Door		40-7/2
Doors		135
Belting		24-4/2
Dom near Light House		98
Out bottom		122-6
Extern		103-6
Interior		684-3/2
Carried Over		

Brought forward		1890-2	
Lead Painting	Painting out side	33-6-3-6	117-3
"	Ladder	24-3-	72-
Lead Painting	South Verandah	12-1-3	15-
"	West	28-6-1-3	21-3
"	Verandah door	2-6-6-3	39-
"	Breaksummer	26-1-3	32-6
"	North west Verandah door	2-6-6-3	39-
"	Breaksummer	28-6-1-3	21-3
"	North Verandah door	6-6-3-6	22-9
"	Breaksummer	12-0-1-3	15-
"	Centre hall window	6-5-6-3-9	123-9
"	door	6-8-4-6	216-
"	Bed room window	4-5-6-3-9	82-6
"	Dressing room door	2-8-4-6	72-
"	door	2-8-4-6	72-
"	Window	2-5-6-3-9	41-3
"	Breaksummer	7-6-1-3	9-42
"	Office room window	2-5-3-6	35-0
"	Breaksummer	2-8-1-3	21-3
"	East Verandah door	2-6-6-3-6	15-6
"	Breaksummer	17-1-6	25-6
"	North east Verandah	2-6-6-3-6	15-6
"	Breaksummer	2-8-6-1-3	21-3
Carried Over		1890-2	
Lead Painting	Cook room door	2-6-6-4	52-
"	Window	2-5-3-3-6	36-9
"	Godown door	2-6-6-4	52-
"	Window	2-5-3-3-6	36-9
Total Square feet of		2067-8	
Squares of Lead Paint		20-67	
Blue coloured washing		480-	
Cook room wall		4-10-12-0	
Gable		2-10-2-6	
Total Square feet of		530	
Squares of Coloured washing		5-20	
Flooring with 8" Sq. Brick		120-	
South Verandah		8-6-8-6	
West Verandah		25-9-8-6	
North west Verandah		8-6-8-6	
North east Verandah		12-0-8-6	
Centre hall		14-0-12-0	
Bed room		10-0-12-0	
Dressing room		7-6-8-6	
Office room		8-6-8-6	
East Verandah		14-0-8-9	
North east Verandah		8-6-8-6	
Bath room		8-9-4-3	
Cook		10-0-8-0	
Godown		10-0-10-0	
Ladies' hut		3-13-9-9-3	
Carried Over		1855-4	

Total Square feet or p.	1855-14
Squares of plastering with 8 lbs. 18	$\frac{55}{100}$
Shifting Tiles	
South Verandah	13-6 12-0 162-0
Do West Do	12-0 12-0 144-0
Do West Do	27-0 12-0 324-0
North west Do	10-0 10-0 100-0
Do Do	13-6 12-0 162-0
Centre hall	16-6 19-6 321-9
Bed room	12-0 19-6 234-0
Dressing Do	9-0 12-0 108-0
Office room	10-0 10-0 100-0
East Verandah	18-6 12-0 222-0
North east Do	10-0 10-0 100-0
Book room	12-0 16-0 192-0
Godown	12-0 16-0 192-0
3 Large halls	14-0 18-0 893-0
Total Square feet or	3254-9
Squares of Shifting Tiles	32 $\frac{54}{100}$

Brick work in clay	
Foundation to screen wall	42-8 2-6 3 318-9
Superstructure Do	42-1 6 6 378-0
Foundation to long wall	410-2-6 3 300-0
Superstructure with coping	410-1-6 6 360-0
Total 6 feet or p.	1356-9
Grade of Bank in clay	50 $\frac{37}{100}$

Brick work in Chumam	
Out side wall	37-6
do for filling doors	14 12-1-3 1 6 315-0
Fire place	10-0 6-0 6 2-6
Side walls	2 24-6 1-6 4 294-0
do gables	3 12-1-6 3-6 189-0
Godown wall	3 10-0 1-6 4 180-0
Total Cubic feet or	1018-0

Cubic yards of Brick work in Chumam	37 $\frac{19}{17}$
Removing old work	
Cook room and Godown	2 10-0 1-6 6 720-0
do	3 10-0 1-6 6 270-0
Total Cubic feet or	990-0
Cubic yards of Removing old work	36 $\frac{19}{27}$

Roofing with palm leaf rafters flat and pan tiles and Chumam borders	10-0 12-6 125-0
Area of roofing	$\frac{125}{100}$
Plaster blending to North Verandah	12-6 7-6 93-9
Area of blending	9 $\frac{2}{100}$

South west Verandah, Venetian window in lieu of Money Comb	5-6 2-9 15-12
West Verandah	4-6 2-6 11-3
do	3-9 2-6 9-4 $\frac{1}{2}$
do	3-9 2-6 9-4 $\frac{1}{2}$
Carved Quoin	35-9

Brought forward		35-9
Venetion window to North west		
Verandah	5-6 2-9	15-1 1/2
do to North Verandah	8-2-9	22
Venetion window	3-3 2-9	8-11 1/4
do	11-6 2-9	12-4 1/2
Venetion window to East Verandah	7-3-3	22-9
Venetion window	11-6 2-9	12-4 1/2
Total sq feet of Venetion window		129-3 1/2
Platten door	6-3 3-3	20-15 1/16
do	5-6 2-9	15-1 1/2
Total sq feet		35-

Attic windows at the gables of end walls	2-2-6 2-0	10-0
Total sq feet		10-0

Abstract Estimate of 1871-75
 Chinghaput District Salary Ponnial
 Village Pulicat
 Work Repairing the Superintendent's Quarter and out houses connected with the Light house at Pulicat
 Value of Building Rs 1750
 Dates of last repair in 1869/70
 Cost of do Rs 374
 Proposed by The Master Attendant of Madras District
 Sanctioned by
 Necessity or object of the work The roof & flooring of the Superintendent's Quarters are in a very bad condition, likewise out houses, and all need urgent repairs. The honey comb work at sides leaves the building very much exposed to spray & wind during high winds and needs venetion panels capable of being closed during such times.

Quantity	Description of Charges	Rate Per	Amount	Total
165	Sqrs of white washing	29	48	28 59 1
2 1/2	Plastering	28	0	61 11 1
21	Lead painting	7 10	0	34 2 0
5	Blue washing	3 6	0	18 1 6
19	Reflooring with 8" sq bricks	4 8	0	85 8 0
33	Shifting tiles complete with 1/3 new	1 12	0	57 12 0
38	Cubic yds of Bricks in Chumam	11	0	418 0 0
50	do of do in Clay	3	0	150 0 0
37	do of removing old work	0 8	0	18 8 0
1 1/2	Sq of roofing with palmiah rafters & pannels and Chumam borders complete	26	4	26 4 0
Grand Over				614 13 3

25

Detailed Estimate No. of 1874-75
 Chingleput District Servoor Range
 - East Coast Canal
 Work. Removing silt from boat channel from
 East Coast Canal to Light-house.

Particulars of work	Measurement in fms. and Decimals. <i>Fathoms</i>			
	Length	Breadth	Depth	Contents
Clearing the old channel from its mouth up to its end (silt clay) —————	287	6.44	.72	1331
Extending the boat channel from D. in Communication with the E. C. Canal (silt sand and clay) —————	267	6.28	.64	1073
Removing shoals above water in the old Channel —————	17	4½	⅞	9 7/16
do. Sand banks near the old do.	8	4	1½	48
do. Shoals above water in the old Channel —————	43	4	⅞	28 2/5
Total <i>Fathoms</i> yards				2490 11/16

Chingapat District Serooloo Range

Abstract
 Work. Removing silt from boat channel from East
 Coast Canal & light house.

Quantity	Description of Charges	Rate	Per	Amount
			Rs.	
1331	Cubic yards of clay work	2	00	166 6
1073	do. of sand and red clay	3	00	201 3
86	do. of removing shoals	1	00	5 6
	Contingent charges for Casuarina stakes & for forming bund			27 1

Total Estimate Rs. 400 00

Signed P. Chellaperumal Pillay
 East Coast Canal Master

No 100 Serooloo Range
 16th June 1871

B. Sanderson Supervisor
 Charge No 100 Serooloo Range
 Chingapat District

Cd. Atls

recd

J. H. Chingapat
 Dist. Engr. Chingapat

Call. R. C.

Particulars of work	Measurement in yards			Cubic content
	Length yds	Breadth yds	Depth yds	
Graveling road with sand and clay	200	$5\frac{3}{4}$	$1\frac{1}{4}$	1437 $\frac{1}{2}$
Graveling the side slopes	200	8	-	1600
Spreading brickbats on surface and tamping	200	2	$\frac{1}{8}$	50

Glöckner

Quantity	Description of work	Rate Per	Amount
1437 1/2	Cubic yards of earthwork (Same & clay)	13 cts	112 4 10
1600	Square yards of lining	6 cts	50 -
50	Cubic yards of brick piling over the surface	2 cts	6 4
	Summies		172 -

Total Estimate Rupees 170.00

J. G. Smith

Col. R.E. McHenry
Dist. Capt. Wright
E. L. Lumb
Marstry

No. 1 or Revolver Naugeoff
16th June 1871
J. B. Sanderson Supervisor
In charge No. 1 or Revolver Naugeoff
L. H. D. D.

Specifications Report

Accompanying the estimate for forming road
from Dulick Light house landy hill to the beach
channel amounting to Rs 170-0-0.

The road is to be 2 yards wide at top with a slope
of 3 to 1 and the depth ^{to be} 2 1/2 feet above demarkation stone
near the foot of the Light house hill on the North side
and 5 feet above the surface where channel slopes com-
mences.

W. H. Macdonald
E. C. Macdonald

J. B. Anderson, Supervisor
In charge No 1 or Seavoor Range
(Aug 1st 1890)

Colt R. G.
With Camp Clinch

The Dr Engineer
Cheltenham (H Bels 1735 - dated
15 " Aug 1874)

G. O. no: 2451 c of 28th August 1874 -

Comm

Hy-8 deep 28/8/74 only to the breaker at the end
J.C. " — Du- 12/9/74

To the Master attendant
Administration Dept
" S. E. Chengleput v
Court & P. Accts. v
Marine) separate v
Copies despatched 21/9/74."

[illegible]

5131 ✓

Govt. of 1874 Madras.

PUBLIC WORKS.

The Master Attor.

Adm. ^{ve} Dept.

Re 1/1

Encl. 14

G. O. 28 Aug 74. No. 2457C

No. 716 F-7169.

Light House at Pulicat

Estimates for certain
works in connection
with the Light House,
sanctioned with
remarks —