

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.
PUBLIC WORKS.

Dated June, 1st.

Recd.

Encl.

G.O. No. 1634 W., 1st June 1896.

JUNE.

Original + file kept
G.O. No. 3984 W. 9.3.97
at Madras.

Mangalore Harbour

Annual report on the condition of the —
for the year ending 31st December 1895,
communicated to the Marine Department.

No. 435 Marine 1/16 June 96

Communicated to the
Presidency Port Officer

Sy S. M. C.

W
Marine

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18.6.97

The P.O.

No. 1634 W., 1st JUNE 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From Mr. S. X. SALDANHA, Sub-Divisional officer, Mangalore, dated 28th
January 1896, No. 16.

With reference to paragraph 2 of the Chief Engineer's order, No. 1432 W., dated
26th May 1887, I beg to submit the following annual report on the condition of the
Mangalore Harbour for the year ending 31st December 1895:—

(1) The general aspect of the backwater from the Marine yard to the Custom
House shows that the whole of the eastern side has silted considerably, compared with
previous years. The western bank along the sand spit on the contrary shows a greater
number of indentations, from which it may be seen that the actual width of the deep
water channel has narrowed considerably.

(2) Passage for small craft not exceeding 10 tons burthen still remains navi-
gable, although subject to much fluctuation in direction.

(3) The southern end of the backwater opposite the entrance and Ullal has
become a deep pool similar to that of seven years ago, and the sand shoals of last
season immediately facing the entrance have entirely disappeared since the monsoon,
although latterly there is sign of silting over this whole area.

(4) Vessels do not avail themselves of this pool, as the ground does not hold
well and currents are too strong for safety; but as in last season the larger craft anchor
to the west of the marine yard. The small steamers of Messrs. Shepherd and Co. still
continue to anchor outside the bar.

(5) The bar and passage to sea is much in the same position as last season,
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also the sand shoals of last season have very considerably increased. In September
these sands were clearly visible at low water, but in December their presence under
water is shown by breakers a long distance to west of north spit.

(6) The least depth at low water spring tides is 8 feet on the bar itself, and
the whole outside area between the sand spits and bar is somewhat shoaler than last
season.

(7) The northern or Gurpur mouth has permanently closed, as the breadth of
sand is more extensive by 80 feet on the sea side than last year.

(8) The total rainfall for 1895 has been 116.70 inches, of which 53.98 inches
fell in the month of July. The annual average is 10 inches less than the average of
the three preceding years.

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channel outside having been mistaken by an attempt to enter after sunset without a
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regular monthly soundings until the end of May, and in October sounding on an
enlarged scale of 100 feet to an inch of the bar and entrance. Buoys were laid down
in October for leading marks into the entrance and at intervals over the backwater.

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I shall offer some remarks on this question in my report on the Harbour improvement estimates.

(Initld.) J. C. L.

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3rd February 1896.

(Signed) G. P. CARLESS,
Executive Engineer.

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(True Extract.)

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Joint Secy. to Govt., P.W.D.

To the Marine Department.
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Ex d. T. K. Narayana Aiyangar.
Spare Copies

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Mangalore Harbour

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for the year ending 31st December 1895,
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656
408 Ma: 2-8-96
542 Ma: 2-8-96
129 Mar 28-2-96
83 u 12-2-96
Memo 15 u 15-1-96
159-60 u 5-6-95
172 u 14-6-95
377 u 21-5-94
296 u 25-7-94
175 u 18-5-94
93 u 16-3-94
No 435 Ma 8/16/96

Communicated to
the Presidency P.W.
office.

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(2) Passage for small craft not exceeding 10 tons burthen still remains navigable, although subject to much fluctuation in direction.

(3) The southern end of the backwater opposite the entrance and Ullal has become a deep pool similar to that of seven years ago, and the sand shoals of last season immediately facing the entrance have entirely disappeared since the monsoon, although latterly there is sign of silting over this whole area.

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Under Secy. to Govt., P.W.D.

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241 E 25-96.
245-6 mar 8-4-96
517 23-7-96

Incident for Burners for
Light houses

nos 436-37 mar 8/16 June 1896

Removed from R.O.
517 mar 23-7-96

No. 1271/193 ly

Presidency Port Office,
Madras, 9th June, 1896.

From

Commander H.A. Street, R.I.M.,

Presidency Port Officer,

Madras.

To

The Secretary to Government,

Marine Department,

Chennai.

Sir,

I forward herewith for approval and submission to the Secretary of State for India, a demand for burners for the Apparatus at each of the lighthouses marginally specified, in accordance with Mr. Ashpitel's recommendations and approved of by Government in para 8 of their order No. 245 Marine, dated 8th April 1896. I have not entered in the demand a burner for the Apparatus at Negapatam, as the question raised by me in my letter No. 1271/144 G, dated 24th April 1896 as to the necessity of placing an 18 mile light at Point Calimere as recommended by Mr. Ashpitel and the transfer of the existing light at Negapatam has not yet been settled.

x
Muttum
Armeghon
Vakalapudi
Santipilly

N. 241 E.
2-V-96

I have the honor to be,

Sir,

Your Obedient Servant,

H. A. Street

Commander, R.I.M.,

Presidency Port Officer.

M.

Indent on England for Stores required for the use of the Marine Department, Madras Presidency.

Names of Articles.	Revenues to which cost is chargeable.	Imperial head of account or grant to which chargeable.	Established proportion.	How established proportion is calculated.	Number or quantity in store.	Number or quantity due on previous indents.	Number or quantity now indented for.	Rate.	VALUE.		Remarks.	Shipped or under provision.	Proposed to be provided.	Remarks by the Director-General of Stores.
									Of number or quantity due on previous indents.	Of number or quantity now indented for.				
For Reservoirs with Pressure Systems.														
Six-wick Douglas burners 2 each for the Santopilly and Manttun Righttowers							4							
Three-wick Douglas burners 2 for the apparatuses at Arumeghon and Takalapudi respectively.							4	Not known	Nil	Not known.				
Cylinders and wick equal to 12 months supply and all other necessary accessories and fittings &c complete for each of the above four Rights.														
Port Funds — Madras.														
These stores are indented for in accordance with the recommendations of the Engineer and sanctioned by the Madras Government in their Order No. 245 dated 8th April 1896. In the selection and supply of these articles, it is especially requested that the Douglas may be consulted as usual before the supply is made. The stores for Santopilly and Manttun Righttowers may be shipped direct to the address of the Port Officers, Santopilly, Boonoda and Manttun Righttowers respectively. Those for Arumeghon to be shipped to the Presidency Port Officer, Madras.														

PRESIDENCY PORT OFFICE,
Madras, 9th June — 1896.
100-24-10-91.

H. A. Street
Commander R. I. M.
Captain, I.M.S.I.M.,
Presidency Port Officer.

Marine (1896) DEPARTMENT.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE SECRETARY TO GOVERNMENT,
PUBLIC WORKS (MARINE) DEPARTMENT,
Madras.

No. $\frac{1271}{193} 9$

Dated 9th } June 1896.
Received }

No.

Subject.

Forwarding for approval
and submission to the
Secretary of State for India
a demand for burners
for the apparatus at
certain lighthouses.

MAINE C. NO. 65
Recd 12.6.96
Em 1st in
Enph
759 of 97

8.4.96. 245.6. + dig
2.5.96. 241.2