

Plague Estimates for the quarter ending 30th June 1899.

PORT AND MARINE FUNDS.

Heads of Expenditure.	Grants already sanctioned.	Estimate for the 1st quarter.	Estimate for the 2nd quarter.	Estimate for the remainder of the year.	Total estimate for the year.
<i>Arcoot, South.</i>	RS.	RS.	RS.	RS.	RS.
Plague patrol establishment	..	..	..	..	..
Fees to Health Officers	..	30	30	60	120
Boat-hire for the inspection of vessels ..	..	20	20	40	80
Total ..	..	50	50	100	200
<i>Canara, South.</i>					
Plague patrol establishment	..	45	45	60	150
Fees to Health Officers	..	..	..	..	..
Boat-hire for the inspection of vessels ..	..	45	45	60	150
Total ..	..	90	90	120	300
<i>Godavari.</i>					
Plague patrol establishment	..	..	..	..	..
Fees to Health Officers	..	150	150	300	600
Boat-hire for the inspection of vessels ..	..	..	..	..	..
Total ..	..	150	150	300	600
Grand Total ..	..	290	290	520	1,100

Marine (1899) Department

G.O., No. 437 Marine

DATED 19th May 1899.

[Despatch Abstract.]

Mangalore Harbour.

From: P.W. Department, communicating
a report on the state of the — and the
backwaters during 1898-99 communicated
to the Presidency Port Officers in continuation
of No. 464, Marine, dt 6th June 1898.

$$\left[\frac{G_s}{40} \right]$$

FURTHER PAPERS.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.
PUBLIC WORKS.

Sp. 4600000 66.98
" 5620000 66.57
" 4350000 66.56

Recd.

Regd

155 } 1899.

Enclosures

Spare copies

G.O., No. 1174 W., 2nd May 1899.

MAY.

Communicated to the Presidency
Two officers, in continuation of
G.O. 462 marine, dated 6 June 1898

APK

18.5-99

To the N.O. Interposes

1665. 28

Mangalore Harbour

Endorsement of the Superintending Engineer, IV Circle, forwarding a report on the state of the — and the backwater during 1898-99, communicated to the marine Department.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

REPORT on the state of the harbour and the backwater at Mangalore during 1898-99.

The general aspect of the backwater from the marine yard to the Custom House is much the same as it was during the previous year.

2. Passage for small crafts not exceeding 30 tons burthen still remains navigable and these anchor opposite the Custom House beyond a distance of 300 feet from the quay wall.

3. The southern end of the backwater opposite the entrance and Ullal is in the same state as it was during the last season, and the anchorage here still remains discontinued. The larger native crafts of 150 tons burthen anchor to the west of the marine yard as they did in previous years.

4. The small steamers of Messrs. Shepherd & Co. still continue to anchor outside the bar.

5. The entrance and the bar and passage to sea are in the same position as last season. The entrance during the monsoon was 1,400 feet wide, but now it has been reduced to 1,200 feet. The northern sand spit continues to grow both in width and height.

6. The least depth at low water spring tide is $8\frac{1}{2}$ feet in the bar itself.

7. The northern or Gurpur mouth has permanently closed and the sand spit here has grown since last season.

8. The total rainfall for 1898 has been 111.73 inches in Mangalore, 152.47 inches in Udipi, and 165.38 inches in Coondapoor taluks.

9. There have been no accidents inside the bar and the backwater during the year.

(Signed) S. X. SALDANHA,
Sub-Engineer.

7th April 1899.

No. 222 S.E.

Forwarded to the Superintending Engineer, IV Circle.

(Signed) C. J. USSHER,
Ex. Engr., West Coast Divn.

17th April 1899.

No. 217/W.

Copy submitted to the Chief Engineer, Public Works Department.

COIMBATORE,
22nd April 1899.

(Signed) A. H. GARRETT,
Suptg. Engineer, IV Circle.

ORDER—No. 1174 W., dated 2nd May 1899.

Communicated to the Marine Department, in continuation of G.O., No. 1140 W., dated 9th May 1898.

(True Extract.)

A. H. Garret
Under Secretary to Government.

To the Marine Department.
„ Superintending Engineer, IV Circle.

Exd. T. K. Narayana Aiyangar.

14-3-17

Marine Department

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1899} of Madras.
PUBLIC WORKS.

Recd.

Regd.

} 1899.

Enclosures

Spare copies

G.O., No. 1174 W., 2nd May 1899.

No 437 Mar. of 19th May 1899

Communicated to the Presidency
Port Officer, in continuation of G. O.
MAY. 464 Marine, dated 6th June 1898

(2d) A. S. R.

To the P. P. O.

Mangalore Harbour

Endorsement of the Superintending Engineer, IV Circle, forwarding a report on the state of the — and the backwater during 1898-99, communicated to the Marine Department.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.Buildings and Roads.
Civil Works.

READ—the following paper :—

REPORT on the state of the harbour and the backwater at Mangalore during 1898-99.

The general aspect of the backwater from the marine yard to the Custom House is much the same as it was during the previous year.

2. Passage for small crafts not exceeding 30 tons burthen still remains navigable and these anchor opposite the Custom House beyond a distance of 300 feet from the quay wall.

3. The southern end of the backwater opposite the entrance and Ullal is in the same state as it was during the last season, and the anchorage here still remains discontinued. The larger native crafts of 150 tons burthen anchor to the west of the marine yard as they did in previous years.

4. The small steamers of Messrs. Shepherd & Co. still continue to anchor outside the bar.

5. The entrance and the bar and passage to sea are in the same position as last season. The entrance during the monsoon was 1,400 feet wide, but now it has been reduced to 1,200 feet. The northern sand spit continues to grow both in width and height.

6. The least depth at low water spring tide is $8\frac{1}{2}$ feet in the bar itself.

7. The northern or Gurple mouth has permanently closed and the sand spit here has grown since last season.

8. The total rainfall for 1898 has been 111.73 inches in Mangalore, 152.47 inches in Udipi, and 165.38 inches in Coondapoor taluks.

9. There have been no accidents inside the bar and the backwater during the year.

(Signed) S. X. SALDANHA,
Sub-Engineer.

7th April 1899.

No. 222 S.E.

Forwarded to the Superintending Engineer, IV Circle.

(Signed) C. J. USSHER,
Ex. Engr., West Coast Divn.

17th April 1899.

No. 217/W.

Copy submitted to the Chief Engineer, Public Works Department.

COIMBATORE, (Signed) A. H. GARRETT,
22nd April 1899. Suptg. Engineer, IV Circle.

ORDER—No. 1174 W., dated 2nd May 1899.

Communicated to the Marine Department, in continuation of G.O., No. 1140 W., dated 9th May 1898.

(True Extract.)

(Signed) A. W. SMART, Colonel, R.E.,
Ag. Secy. to Government.To the Marine Department.
" Superintending Engineer, IV Circle.

Ed. T. K. Narayana Aiyangar.