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KEEP-WITH | CURRENT No. | GOVT. OF MADRAS. } 1894. {

EXAMINER, P. W. ACCOUNTS.

dated 189 .

Madras, 14 November 1894.

OFFICE NOTE No. 4555

To

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with reference to the letter
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6TH NOVEMBER 1894, No. 426, MARINE.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper:—

From Commander C. W. HEWETT, R.I.M., in charge Presidency Port Office, Madras, to the Chief Secretary to Government, dated Madras, 15th October 1894, No. 1725-371-G.

I have the honour to forward herewith the report on the administration of the Madras Port Department (including the reports of the Agent for Government Consignments and Deputy Conservator of the Port of Madras) for the official year 1893–94.

REPORT ON THE ADMINISTRATION OF THE MADRAS PORT DEPARTMENT FOR THE OFFICIAL YEAR 1893–94.

Official Staff.—Commander W. J. Powell, R.I.M., Presidency Port Officer, was absent on medical leave to Europe from 17th May 1893 to 10th April 1894. Commander C. W. Hewett, R.I.M., acted for him up to 2nd June 1893, and Commander H. A. Street, R.I.M., for the remainder of the period.

Mr. J. E. Winckler, Port Officer, Cochin, and Mr. F. M. Gillham, Port Officer, Calicut, were placed on the retired list under the Superannuation Pension rules. To fill the vacancies thus caused the following transfers, &c., among the Coast Port Officers were carried out, namely, Mr. M. Woodhouse from Mangalore to Cochin, Mr. W. S. Carlyon from Vizagapatam to Mangalore, Mr. H. S. Brown, Reserve Port Officer, to Vizagapatam, Mr. N. A. W. Hamilton from Gopalpur to Calicut, Mr. J. M. Simpson from Masulipatam to Gopalpur, Mr. C. C. Hearsey appointed to Masulipatam, and Mr. G. Leverett appointed as Reserve Port Officer.

Mr. Hearsey, after a short but useful career as Port Officer of Masulipatam, died at that port on the 8th August 1893. Mr. Leverett was consequently transferred to Masulipatam and Mr. F. Icely appointed as Reserve Port Officer.

Other changes of a temporary nature by absence on leave and from other causes are noticed in Appendix H.

Act X of 1889.—The limits of the ports of Mangalore, Gopalpur and Ganjám, as already fixed, were altered and the revised limits duly defined by notification under section 5 (2).

Under section 6 (1) (*j*) a schedule of ground rent for the use of land within port limits at coast ports by private persons was brought into force.

Under section 6 (1), Rule XIV of the rules for the port of Madras relating to vessels arriving with epidemic diseases on board, &c., was revised. An addition was made to Rule VII of the same rules to provide for vessels with stockless anchors being in readiness to move from their berths within an hour from receiving notice.

Rule IV (*a*) of the rules for coast ports was amended so as to provide for vessels taking in or discharging coral or other offensive articles, doing so only at such places as may be set apart for the purpose.

Under Rule 24 of the Boat Rules framed under section 6, clause (*k*), maximum rates were prescribed for the hire of boats and catamarans employed in the port of Madras.

A revised schedule of boat-hire rates for the port of Ganjám was introduced.

Under section (4) (1) (*a*), the provisions of the Ports Act were extended to the ports of Vembar and Pattanamaradur, in the district of Tinnevelly, and the necessary notifications issued as regards appointment of Port Conservator, introduction of port rules, rates of port dues, &c.

Madras Act III of 1885.—The schedule of fees levied under this Act at Mangalore was revised and the revised schedule brought into effect from 1st April 1893.

Acts X of 1841 *and XI of* 1850.—Under section 3 of Act X of 1841 the Personal Assistant to the Presidency Port Officer was appointed to be a Registrar of Shipping at the port of Madras. Under the provisions of section 3 of Act XI of 1850 special rules for the measurement of *open* native craft were brought into force.

One hundred and twenty-three native vessels were registered and 179 changes of masters endorsed on registry certificates. The total of fees realised under both heads was Rs. 1,534-8-0 against Rs. 1,412-15-0 in the previous year, showing an increase. Details are given in Appendices F and G.

Act I of 1859.—Details of shipments and discharges of seamen are given in Appendix K. Compared with the figures of the preceding year there was a large decrease in the number of European seamen discharged, pointing to a careful observance by Shipping Masters of the Instructions of the Board of Trade as regards discouraging, to all possible extent, the discharge of such seamen abroad, while in the case of Asiatic seamen shipped and discharged there has been an increase.

Passenger Traffic, General and under the Native Passenger Ships Act.—By vessels that came under the operation of the Native Passenger Ships Act, 16,665 passengers left the Madras Coast on "long" voyages, and 105,710 on "short" voyages. Details of general passenger traffic are given in Appendix I. 203,807 passengers in general arrived on the coast and 208,894 sailed therefrom. Compared with the figures of the preceding year the decrease in departure is very large, which however is due in a great measure to favorable weather and good crops in certain districts and to the opening up of the East Coast Railway which afforded the people employment nearer home without having to seek for it in Burma and elsewhere.

The largest passenger traffic was carried on at Pamban, Tuticorin and Negapatam as in the previous year.

Wrecks and Casualties.—Details are given in Appendix A. There were 16 casualties to shipping in the year against 18 in the preceding year. The most important of these was the stranding of the British steam ship *Ratho*, of Liverpool, tons 2,758. This vessel, *en route* from Pondicherry to Cocanada, went aground five miles south-west of the Sacramento Shoal, but was floated again without any apparent damage after discharging part of her cargo into lighters. A Marine Court of Enquiry touching this matter was held at Cocanada. The master of the *Ratho* was censured by the Court for neglect, any severer measure being considered unnecessary in dealing with him.

There was no loss of life in any instance.

Life-saving Apparatus.—Exercises were continued at Gopalpur, Bimlipatam and Vizagapatam.

Boat supply—at coast ports was well maintained. Appendix L gives details of the number available at the more important ports and shows an increase.

Meteorological—observations were continued to the end of the year at the Presidency Port Office Observatory, but very shortly afterwards the instruments were transferred to the Government Astronomer and observations undertaken by that officer.

Weather.—Between 13th and 16th June 1893 stormy weather prevailed along the coast from Cocanada northwards, the depression crossing the coast near Cocanada on the latter date. On the 11th October the warning signals under the Cyclone Code were hoisted at Madras, a depression having formed in the Bay at some distance from the port, but moving northwards it filled up the following day when the signals were hauled down. On the 5th November, on which date the warning signals were again hoisted at Madras, and the following day, when they were hauled down, a cyclonic storm was experienced on the coast from Madras southwards, the centre of

the depression crossing the coast to the south of Cuddalore. On the 27th October warning signals were again hoisted at Madras and hauled down on the 28th idem. The depression, however, passed away northwards and did not affect the weather in the west of the Bay. On 22nd November a small cyclonic storm approached the coast south of the Peninsula. Beyond a few lighters and masulah boats anchored in Madras Harbour being driven on shore and injured, no damages were reported anywhere.

Dredging Operations.—At Cocanada the Priestman Dredger was employed 172 days in the year removing 51,469 tons of silt at an average working expense of As. 1-5 per ton, and the dredger "Connemara" 189 days removing 52,524 tons of silt at As. 1-1 per ton. The small dredger at Cuddalore worked 148 days, removing 9,655 tons of silt at an average working expense of As. 1-7 per ton. Other particulars will be found in Appendix J and J (i). The dredger "Wenlock" was sent into dock at Calcutta for a thorough overhauling and cleaning.

Service Registers—have been maintained in accordance with Government Orders.

Stores.—The instructions relating to the maintenance of an inventory of valuable stock have been carried out.

Navigation, Tonnage and Dues.—For details see Appendix B. The following statement shows the number of vessels, their tonnage, and the dues collected thereon in the whole Presidency :—

Ports.	Vessels.	Number.	Tonnage.	Dues.	Remarks.
				Rs.	
Madras ..	British—				Men-of-war, Government ships and vessels that called for orders only are not included; hence the variation between the figures here and those in the Deputy Conservator's Report.
	Coasting	359	648,771	39,886	
	Other than coasting	217	462,074	61,650	
	Foreign	82	115,399	11,242	
	Native	66	7,491	608	
	Total ..	724	1,233,735	1,13,386	
Coast Ports ..	British—				
	Coasting	3,483	4,954,709	1,57,699	
	Other than coasting	277	390,548	30,138	
	Foreign	637	112,214	13,278	
	Native	19,712	685,167	22,479	
	Total ..	24,109	6,142,638	2,23,594	

Compared with the figures of the preceding year, there was, in respect to the Port of Madras, in the case of—

(*a*) British coasting vessels, a slight increase in the number and tonnage, but a decrease in dues;
(*b*) British vessels other than coasting, an increase in number, tonnage and dues;
(*c*) Foreign vessels, an increase in number, tonnage and dues; and
(*d*) Native vessels, a small decrease in number, tonnage and dues.

Class (*a*) paid Anna 1 per ton port dues, Class (*b*) As. 2-2, Class (*c*) As. 1-6, and Class (*d*) As. 1-4. The payments at Madras averaged thus from 12 to 26 pies per ton.

Similarly compared, there was in respect to the coast ports, in the case of—

Class (*a*), an increase in number, tonnage and dues; and
Classes, (*b*), (*c*) and (*d*) a decrease in number, tonnage and dues.

Class (*a*) paid Pies 6 per ton port dues, Class (*b*) As. 1-4, Class (*c*) As. 1-2, and Class (*d*) Pies 6. The payments at the coast ports averaged thus from 6 to 16 pies per ton.

Trade.—The subjoined statement exhibits the value of, and duty on, the import and export trade of the principal ports of the Presidency excluding Government store and Government and private treasure :—

Ports.	Tons.	Value of		Total.	Duty on		Total.
		Imports.	Exports.		Imports.	Exports.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Madras	1,233,735	6,49,78,552	5,76,53,455	12,26,32,007	10,73,662	9,741	10,83,403
Tuticorin	493,150	1,21,66,258	1,56,17,961	2,77,84,219	24,978	16,964	41,942
Cochin	485,422	76,67,598	1,15,44,432	1,92,12,030	29,663	2,461	32,124
Cocanada	674,132	37,06,955	1,54,59,084	1,91,66,039	3,777	79,556	83,332
Calicut	470,329	63,82,544	1,10,22,070	1,73,84,614	7,876	840	8,716
Mangalore	238,011	37,69,400	1,24,74,921	1,62,44,321	8,489	8,091	16,580
Tellicherry	312,404	38,95,250	80,84,472	1,19,82,722	7,632	52	7,684
Negapatam	563,403	51,75,549	61,60,578	1,13,36,127	4,808	90,128	94,936
Bimlipatam	420,460	22,22,835	43,67,369	65,90,204	394	608	1,002
Cuddalore	276,772	10,91,370	43,12,683	54,04,053	63	1,650	1,713
Masulipatam	357,372	14,56,101	27,10,311	41,68,412	54	71,996	71,550
Gopalpur	222,328	15,41,473	19,47,460	34,88,933	1,792	44,029	45,821
Cannanore	251,216	14,58,750	16,64,195	30,22,945	..	750	750
Vizagapatam	425,844	12,26,939	16,77,516	29,04,455	1,219	.. 135	1,219
Calingapatam	250,078	5,28,410	14,24,290	19,52,700	8	8,510	143
Porto Novo	64,083	1,85,688	6,03,328	7,89,016	1,206	59	9,716
Pamban	74,852	4,04,966	3,33,979	7,38,945	40		99
All other coast ports	663,782	79,78,148	1,01,51,227	1,81,29,375	8,993	1,18,502	1,27,496
Madras { 1892–93	1,125,778	5,93,14,809	5,10,18,461	11,03,33,270	11,08,308	14,541	11,22,849
Madras { 1893–94	1,238,735	6,49,78,552	5,76,53,455	12,26,32,007	10,73,662	9,741	10,83,403
Increase	107,957	56,63,743	66,34,994	1,22,98,737	34,646	4,800	39,446
Decrease	..	..	..	..	..	..	..
Coast ports { 1892–93	5,987,491	6,08,40,618	11,33,19,265	17,41,59,883	66,954	3,54,706	4,21,660
Coast ports { 1893–94	6,142,638	6,08,43,234	10,94,55,876	17,02,99,110	1,00,892	4,43,660	5,44,552
Increase	155,147	2,616	..	..	33,938	88,954	1,22,892
Decrease	..	..	38,63,389	38,60,773	..	..	..

Tuticorin again stands first in point of the value of trade carried on in the year; Cochin, Cocanada, Calicut, Mangalore, Tellicherrp and Negapatam come next in order.

COAST PORTS—*Gopalpur*—The southern limit of the port was extended and a new boundary pillar erected. *Cocanada*—The Conservancy Board held twelve meetings; the machinery of the Priestman dredger and the dredger "Connemara" were repaired; the red buoy off Point Gódávari was altered into a black pillar buoy in accordance with the universal system of buoyage. *Masulipatam*—The Bar buoys were lifted, painted and replaced in position; the Landing and Shipping Dues Committee held three meetings. *Cuddalore*—The channels in front of Messrs. Parry and Company's godowns have all been dredged, thus affording better facilities for the plying of cargo boats. *Negapatam*—Wreck buoy was painted and replaced; a new flagstaff was supplied. *Pamban*—Reef channel has maintained its depth; the port was supplied with a new gig. *Tuticorin*—The new goods-shed here was taken into use from May of the year under report. *Cochin*—Large repairs to Groyne A and to the Cruz Milagre dam were carried out. *Mangalore*—Measures for improvements to the port by means of dredging, &c., were under consideration.

The various marine structures along the coast were maintained in a satisfactory condition. The Presidency Port Officer paid his annual visit of inspection to all the principal ports.

ACCOUNTS.

Appendix C furnishes a statement of the financial position of the Port and Marine Funds for the year under review.

The receipts and charges for the year which have been found to agree with the figures on the books of the Accountant-General, were revised in accordance with G.O., No. 24, Marine, dated 27th January 1890.

Port Funds—Act X of 1889.

Receipts.—(i) Port dues collections in 1893–94 were Rs. 17,210 in excess of those for 1892–93, an increase of Rs. 12,760 and Rs. 8,356 appearing in Madras and in the Eastern Group, respectively, and a decrease of Rs. 3,906 in the Western Group. The collections at Madras were credited to that port in full under the provisions of Act X of 1889.

(ii) Particulars of General receipts and of receipts under other heads of account are contained in Appendices C (iii) and C (i), respectively.

Charges.—(i) General charges for 1893–94, particulars of which are given in Appendix C (iii), were slightly in excess of similar charges for the previous year, the increase appearing under Pensions and Gratuities.

(ii) Lighthouse charges, particulars of which were given in the statement that accompanied this office letter No. 1722–356-G., dated 22nd September 1894, were much less than those for 1892–93.

(iii) Charges under other heads of account are specified in Appendix C (ii).

The transactions of the District Port Funds for 1893–94 have disclosed a satisfactory improvement in the state of their finances—*vide* Appendix (*c*)—and all District Port Funds, without exception, had a balance to their credit by the transactions of the year, as explained below:—

Ganjám.—Rs. 14,015–12–1, deficit balance at the close of 1892–93, was met by a Provincial contribution in 1893–94. The transactions of the year resulted in a surplus of Rs. 2,847–7–1, and adjusting this sum with Rs. 7,576, interest on loan, there remained a debit balance of Rs. 4,728–8–11 on the 31st March 1894. As in the past years, this deficit will have to be met by a Provincial contribution to continue the loan outstanding against this district unaltered.

Vizagapatam.—Government securities of the nominal value of Rs. 8,000 were purchased during the year. After defraying charges on this account, there remained a surplus of Rs. 3,407–10–11 by the year's transactions.

Gódávari.—Government securities of the nominal value of Rs. 6,000 were purchased during the year. Of the surplus balance of Rs. 10,498–8–5 on the 31st March 1894, Rs. 6,000 may be invested in Government securities during the current year.

Kistna.—The transactions of the year resulted in a surplus balance of Rupees 2,837–11–11. After payment of Rs. 260 on account of interest on loan and Rs. 2,500 towards principal, there remained on the 31st March 1894 a loan of Rs. 4,000 outstanding and a small surplus balance of Rs. 42–14–9.

Nellore and Chingleput.—Both these districts had a surplus balance during the year and continued to maintain their good financial condition. Out of the surplus balance on 31st March 1894, Rs. 2,000 and Rs. 1,000 may be invested in Government securities on behalf of these District Port Funds, respectively.

South Arcot.—Exclusive of charges incurred during the year in the purchase of Government securities of a nominal value of Rs. 2,000 which amounted to Rupees 2,132–14–10, the transactions of this District Port Fund had a surplus during the year. The charge specified resulted in a small nominal deficit. Of the surplus balance on the 31st March 1894, Rs. 2,000 may be invested in Government securities during the current year.

Tanjore.—The state of finance of this district is satisfactory. The transactions of 1893–94 resulted in a surplus of Rs. 5,595–0–3. Rs. 484 was paid on account of interest on loan and Rs. 5,100 towards principal; and these adjustments left Rs. 7,000 as loan outstanding on the 31st March 1894 and a small surplus of Rs. 47–8–1.

Madura.—The surplus balance at the close of 1892–93 has been transferred to the credit of Pamban Pilotage Funds. The transactions of the year left a small surplus of Rs. 366–1–8, which has likewise to be transferred during the current year to the credit of the fund specified.

Tinnevelly.—Rs. 3,966–10–8, interest on loan of Rs. 70,000, has been adjusted to the credit of this district and Rs. 743–13–11, contribution on account of Dredger *Wenlock's* charges, to its debit. Rs. 70,000 was received as repayment of loan, and another small sum of Rs. 8, interest on the outstanding loan of Rs. 200, has also been adjusted. This outstanding loan will have to be recovered during the current year. The large surplus cash balance on the 31st March 1894 should be allowed to stand in view to meeting charges on account of the new pier.

Malabar.—Rs. 30,000 were invested in Government securities and Rs. 16,500 lent to Cocanada Landing and Shipping Dues Fund to meet groynes charges. These transactions resulted in a nominal deficit during the year. Out of the surplus balance on the 31st March 1894, a further sum of Rs. 20,000 may be invested.

South Canara.—Notwithstanding the purchase of Government securities of the nominal value of Rs. 3,000, this district had a surplus of Rs. 3,513–8–4 during the year. Out of the surplus balance on the 31st March 1894, Rs. 6,000 may be invested in Government securities.

Madras.—Unlike in the past years, the transactions of the year 1893–94 disclosed a large surplus, and this was due, in a great measure, to the non-payment of any contribution to the Harbour Trust Board during that year. The invested capital of Rupees 20,000 was transferred to the Harbour Trust Board. Rs. 10,315–5–11, surplus balance of the Madras Pilotage Fund on the 31st December 1893, as also Rs. 33,900 in Government securities appertaining to that fund, were transferred to the credit of the Madras district, as per G.O., No. 52, Marine, dated 13th February 1894. Rupees 8,320 was adjusted to credit as interest on sums lent, and Rs. 7,600 as repayment of loan by the Kistna and Tanjore District Port Funds. Rs. 33,900 in Government securities and the cash balance of Rs. 1,40,962–0–10 that remained to the credit of this district on the 31st March 1894 will have to be transferred to the Harbour Trust Board, as per G.O., No. 340-A, Financial, dated 1st April 1893.

It will thus be seen that the Port Fund balances on the 31st March 1893 of the Eastern Group, Western Group and Madras districts, have increased by Rs. 57,474, Rs. 40,080–9–6 and Rs. 89,654–11–4, respectively. The surpluses in the Vizagapatam, Gódávari and Tinnevelly Port Funds have contributed greatly to the increase

in the Eastern Group districts; the surpluses of the Malabar and South Canara as usual to that of the Western group; the non-payment of contribution to the Harbour Trust Board and receipt of a large invested sum of Rs. 33,900 from the Madras Pilotage Funds, left a large surplus to be added to the balance of the Madras district. The balance of Port Funds, Act X of 1889, which was Rs. 6,55,527–1–3 on the 31st March 1893, has increased to Rs. 8,42,736–6–1 on the same day in 1894.

Pilotage Funds.

Madras.—Out of the invested capital that stood to the credit of this fund on the 31st March 1893, securities of the nominal value of Rs. 50,000 were retained for this fund and the balance, Rs. 33,900, as also the cash balance on the 31st March 1893, viz., Rs. 6,848–9–0, and the surplus of the year up to 31st December 1893 were transferred to the Madras Port Funds, as per G.O., No. 52, Marine, dated 13th February 1894. The adjustment in the fourth quarter of the year 1893–94 of a portion of charge on account of a steam cutter procured for the Harbour Masters has led to a small deficit of Rs. 2,431–8–9 on the 31st March 1894, and this deficit, I would suggest, be wiped off by a contribution to that extent by the Madras Port Fund to which the balance of this fund up to 31st December 1893 has been transferred.

Pamban and Kilakarai.—A sum of Rs. 70,000 was contributed during the year by Provincial Funds in aid of loan outstanding against this fund, and the loan to Tinnevelly Port Fund repaid to that extent. Rs. 3,966–10–8 has been treated as payment of interest on account of loan. The surplus of Madura Port Fund on the 31st March 1893 has been transferred to the credit of this fund during the year. Charges on account of Dredger *Wenlock* amounted to Rs. 34,107–12–2, and of this sum, Rs. 3,361–10–5 was paid as contribution by the Cocanada Landing and Shipping Dues Fund and Tinnevelly Port Fund, *i.e.*, Rs. 2,617–12–6 by the former and Rs. 743–13–11 by the latter; the balance of Rs. 30,746–1–9 will have to be met by a contribution from Provincial Funds, as per paragraph 8 of G.O., No. 259, Financial, dated 13th March 1893. There was a small balance of loan, *i.e.*, Rs. 200 outstanding against this fund on the 31st March 1894, and this sum will have to be paid from the surplus of the current year. Interest on this sum has been adjusted to the debit of this fund during 1893–94.

Cochin.—Government securities of the nominal value of Rs. 12,000 were purchased during the year at a cost of Rs. 12,578–12–2. The surplus balance of this fund on the 31st March 1894 was Rs. 5,517–7–9.

Mangalore.—A slight deficit is noticed in the transactions of 1893–94, and this is due to the collections of the last month of 1892–93 having been paid in 1893–94.

Landing and Shipping Dues (Act III of 1885).

Besides payment of Rs. 2,617–12–6 by Cocanada as contribution on account of charges of Dredger *Wenlock*, there were no special charges during the year in any port in which this Act is in force. A loan of Rs. 16,500 was received to the credit of Cocanada Landing and Shipping Dues Fund in aid of groynes charges. The transactions of the year resulted in a surplus in each case.

The following are the points on which the orders of Government are to be obtained in respect to the accounts of 1893–94:—

(1) Payment of contribution by Provincial Funds to meet the deficit of the Ganjám Port Fund.

(2) Investment in Government securities of the amount specified against the District Port Funds stated below:—

Gódávari	·06
Nellore	·02
Chingleput	·01
South Arcot	·02
Malabar	·20
South Canara	·06

(3) Transfer of the surplus balance of the Madura Port Fund on the 31st March 1894 to the Pamban and Kilakarai Pilotage Funds.

(4) Transfer of Rs. 2,431-8-9 from the surplus balance of Madras Port Funds to Madras Pilotage Funds to meet deficit on the 31st March 1894.

(5) Transfer of the balance of Rs. 1,38,530-8-1, viz., Rs. 1,40,962-0-10 *minus* Rs. 2,431-8-9 noticed above, and Government securities Rs. 33,900 of the Madras Port Fund, to the Harbour Trust Board, as per G.O., No. 340-A, Financial, dated 1st April 1893.

(6) Payment of a Provincial contribution of Rs. 30,746-1-9 to the Pamban Pilotage Funds to meet deficit on account of Dredger *Wenlock's* charges, as per G.O., No. 259, Financial, dated 13th March 1893.

(7) Repayment in the current year of the loan of Rs. 200 outstanding against Pamban and Kilakarai Pilotage Funds to the Tinnevelly Port Fund.

(8) The *plus* and *minus* entries to be made in the District Port Fund accounts maintained by the Accountant-General as shown in Appendices C (vi-*a*) and C (vi-*b*).

SUMMARY.

Compared with the preceding year's figures there was at Madras, in the year under review, in the case of British coasting vessels an increase in the number and tonnage but a decrease in dues; in the case of native vessels a decrease in number, tonnage and dues; and in the case of British vessels other than coasting and in foreign vessels there has been an increase in number, tonnage and dues. At the coast ports there was in the case of British coasting vessels an increase and in the case of all other vessels a decrease in number, tonnage and dues.

Seven hundred and twenty-four vessels of 1,233,735 tons (total) called at Madras in the year 1893-94 paying Rs. 1,13,386 in port dues, while 24,109 vessels of 6,142,638 tons (total) called at the coast ports paying Rs. 2,23,594 in port dues.

The payments in dues averaged from 12 to 26 pies per ton at Madras and from 6 to 16 pies per ton at the coast ports.

The largest passenger traffic was carried on at the following ports, viz., Pámban (37,298 passengers arrived and 48,853 left), Tuticorin (47,256 arrived and 34,226 left), and Negapatam (27,167 arrived and 32,789 left).

The largest trade was carried on at Tuticorin among the coast ports.

The number of casualties to shipping was 16 against 18 in the preceding year. In the case of the S.S. *Ratho* which went aground near the Sacramento Shoal, but was subsequently floated, a Marine Court of Inquiry was held.

APPENDIX A.

STATEMENT of Wrecks and Casualties which have occurred, or have been reported, at Ports in the Madras Presidency during the official year 1893-94.

Date.	Name of Vessel.	Tonnage.	Summary of particulars furnished by the reporting officer.	Finding of the Court of Inquiry.
1893.	(*Foundering*).			
21st April ..	Cutch Gunja *Padaruth*; Master, Jacob.	115	Capsized opposite the Calicut Lighthouse owing to a sudden shift of wind which caught the sail aback. Total loss to the gunja Rs. 7,000; to cargo Rs. 1,600. No lives lost.	
	(*Stranding*).			
20th May ..	British Odom *Poodia Parody*; Master, Mahomed Coya.	23	While endeavouring to cross the Mangalore bar, the vessel was overcome by a heavy sea, thrown inside again and almost immediately thrown on the beach. Total loss to ship Rs. 300; to cargo Rs. 1,000. No lives lost.	
	(*Stranding*).			
26th „ ..	British Batel *Fattel Khair*; Master, Allah Rakhia.	40	Stranded through stress of weather while trying to cross the Mangalore bar without a pilot. Total loss to vessel Rs. 1,500; partial loss to cargo Rs. 1,000.	
	(*Stranding*).			
27th „ ..	British Indian Gunja *Jamshad*; Master, Kassum.	133	Having experienced cyclonic weather while on her way from Calicut to Bombay lost her main sail and ran ashore near Coondapoor. Partial loss to vessel Rs. 500; loss to cargo Rs. 300.	
	(*Stranding*).			
28th „ ..	Cutch Batel *Sulthany*; Master, Sale Mahomed.	47	Went ashore at Kasaragod owing to stress of weather and broke up. Partial loss to vessel Rs. 1,000; to cargo Rs. 1,912. No lives lost.	
	(*Miscellaneous*).			
15th June ..	British Brig *Shagool Hameed*; Master, Bana Poodian.	133	Became dismasted off Kottapatam during a heavy storm on the 15th June 1893 while proceeding in ballast from Madras to Masulipatam. Partial loss to ship Rs. 3,000.	
	(*Collision*).			
3rd Sept. ..	British Brig *Hydroose*; Master, Vella Tamby.	92	While on her way from Colombo to Tuticorin, the brig collided with the S.S. *Kerbela* through negligent look-out. Loss to the brig Rs. 500.	
	(*Foundering*.)			
25th „ ..	British Barque *Hyder Ally*; Master, S. Nagudah Maricar.	342	While kedging into the Coleroon river the vessel touched the ground, made a hole in her bottom and foundered. Total loss to ship Rs. 10,000. No loss of lives.	
	(*Miscellaneous*.)			
26th Oct. ..	British Brig *Neelayathatchy*; Master, Sarathatheen Maricar.	105	While on her way from Nicobar to Calcutta met with a cyclonic storm and became totally dismasted near the Andaman Islands. Loss to the brig Rs. 1,500; to cargo Rs. 60. No lives lost.	
	(*Miscellaneous*.)			
5th Nov. ..	British Brig *Katheriah*; Master, Varisai Ebrayu Mowla.	116	Owing to stress of weather, became totally dismasted at a spot between Pondicherry and Porto Novo. Total loss to the vessel Rs. 4,000; to cargo Rs. 4,500. No lives lost.	
	(*Stranding*.)			
6th „ ..	British Schooner *Mahomed Suliman Bux*; Master.	118	Drifted ashore through stress of weather near the village of Kondaledu, Nellore district, and became a total wreck. Loss to the ship about Rs. 12,000; to cargo about Rs. 7,000.	
	(*Stranding*.)			
22nd „ ..	British Indian Brig *Ameena Rahiman*; Master, Kadir Ibram Sahib.	190	Drifted ashore off Toputorai having lost her sails through strong wind. Loss to the vessel Rs. 10,000; to cargo Rs. 450. No lives lost.	

Statement of Wrecks and Casualties which have occurred, or have been reported, at Ports in the Madras Presidency, &c.—*cont.*

Date.	Name of vessel.	Tonnage.	Summary of particulars furnished by the reporting officer.	Finding of the Court of Inquiry.
1894.	(*Stranding*).			
1st February.	British S.S. *Racho*; Master, John Dunlop.	2,758	Stranded about five miles off Sacramento Shoal en route from Pondicherry to Cocanada. Loss to vessel £200. No lives lost.	The master was censured for neglect by a Marine Court of Inquiry held at Cocanada.
	(*Stranding.*)			
10th "	British Machwa *Mowlady*; Master, Sheik Mohidin.	89	When about to enter the port of Mangalore the vessel suddenly fell in with bad weather and struck on the sandspit.	
	(*Stranding.*)			
10th March ..	British Brig *Sethunathulla*; Master, Mariam Pillai.	94	While on her way from Porto Novo, the vessel stranded near Thamus Kodi, Gulf of Manaar, owing to strong adverse currents. No loss to vessel or cargo.	
	(*Stranding.*)			
18th " ..	Native Gunja *Maderpassa alias Papdio*; Master, Salimau.	83	While leaving the port of Calicut, a high swell set in sending up a large amount of mud ashore; the vessel was caught in this mud and the swell rolling in over it broke her up. Total loss to the gunja Rs. 5,000; to cargo Rs. 1,880. No lives lost.	

ABSTRACT.

Year.	Number of casualties.					Number of lives lost.
	Strandings.	Founderings.	Collisions.	Miscellaneous.	Total.	
1892–93	12	1	..	5	18	..
1893–94	10	2	1	3	16	..
Increase ..	..	1	1	..	..	..
Decrease ..	2	..	..	2	2	..

APPENDIX B.

PARTICULARS of the Trade of the several districts of the Madras Presidency during the official year 1893–94.

Districts.	British vessels. Coasting steamers. Arrived. In ballast. Vessels.	Tonnage.	Dues.	With cargo. Vessels.	Tonnage.	Dues.	With passengers. Vessels.	Tonnage.	Dues.	Total. Vessels.	Tonnage.	Dues.
1	2	3	4	5	6	7	8	9	10	11	12	13
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	1	550	77 5 6	182	291,760	12,795 3 0	157	242,619	3,423 15 0	340	534,929	16,296 7 6
Vizagapatam	1	2,030	285 7 6	357	604,278	7,454 14 6	112	175,285	2,457 6 0	470	781,593	10,197 12 0
Gódávari	1	2,158	303 7 6	64	130,272	4,183 15 6	204	337,638	2,514 3 0	269	470,068	7,001 10 0
Kistna	6	12,358	..	83	145,164	3,694 8 0	119	174,338	1,799 1 0	208	331,860	5,493 9 0
Nellore	..	..	..	3	4,553	..	..	..	..	3	4,553	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	149	259,429	5,177 1 0	1	2,156	..	150	261,585	5,177 1 0
Tanjore	1	482	..	183	288,851	4,054 7 3	133	178,745	10,716 12 0	317	468,078	14,771 3 3
Madura	14	3,784	..	63	15,237	33 15 0	159	41,217	1,499 7 0	236	60,238	1,533 6 0
Tinnevelly	4	1,476	4 3 6	370	441,058	40,464 10 9	1	1,070	..	375	443,604	40,468 14 3
Total ..	28	22,838	670 8 0	1,454	2,180,602	77,858 11 0	886	1,153,068	22,410 12 0	2,368	3,356,508	1,00,939 15 0
Western Group.												
Malabar	1	1,251	..	538	973,862	43,433 15 0	178	311,092	7,903 1 3	717	1,286,205	51,337 0 3
South Canara	2	22	..	..	..	..	396	311,974	5,364 7 8	398	311,996	5,364 7 8
Total ..	3	1,273	..	538	973,862	43,433 15 0	574	623,066	13,267 8 11	1,115	1,598,201	56,701 7 11
Madras	..	..	..	359	648,771	39,885 11 5	..	..	..	359	648,771	39,885 11 5
Grand Total ..	31	24,111	670 8 0	2,351	3,803,235	1,61,178 5 5	1,460	1,776,134	35,678 4 11	3,842	5,603,480	1,97,527 2 4

APPENDIX B—*cont.*

British vessels—*cont.*

Coasting steamers—*cont.*

Left.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	14	15	16	17	18	19	20	21	22	23	24	25
Eastern Group.						Rs. A. P.						Rs. A. P.
Ganjám	..	..	..	181	288,965	..	160	246,718	..	341	535,683	..
Vizagapatam	..	..	..	358	606,308	..	112	175,285	..	470	781,593	..
Gódávari	..	..	..	72	142,763	..	196	330,600	..	268	473,363	..
Kistna	32	51,088	..	61	101,655	..	115	179,117	..	208	331,860	..
Nellore	..	..	..	3	4,553	..	..	..	..	3	4,553	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	1	1,876	..	132	226,681	..	16	31,467	..	149	260,024	..
Tanjore	..	..	..	227	344,915	..	92	125,412	..	319	470,327	..
Madura	32	7,767	..	58	14,139	58 5 0	146	38,332	..	236	60,238	58 5 0
Tinnevelly	5	8,028	..	368	434,191	..	1	1,355	..	374	443,574	..
Total ..	70	68,759	..	1,460	2,164,170	58 5 0	838	1,128,286	..	2,368	3,361,215	58 5 0
Western Group.												
Malabar	44	82,132	..	509	912,710	..	160	287,940	..	713	1282,782	..
South Canara	2	23	..	..	..	..	396	311,975	..	398	311,998	..
Total ..	46	82,155	..	509	912,710	..	556	599,915	..	1,111	1,594,780	..
Madras	58	110,415	..	298	531,459	..	..	..	..	356	641,874	..
Grand Total ..	174	261,329	..	2,267	3,608,339	58 5 0	1,394	1,728,201	..	3,835	5,597,869	58 5 0

APPENDIX B—*cont.*

British vessels—*cont.*

Other vessels (excluding coasting steamers).

Arrived.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	26	27	28	29	30	31	32	33	34	35	36	37
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	3	5,128	548 13 9	6	10,326	945 6 0	..	..	..	9	15,454	1,494 3 9
Vizagapatam	7	12,722	1,244 4 6	32	49,072	4,316 14 6	..	..	..	39	61,794	5,561 3 0
Gódávari	18	23,604	3,486 13 6	31	51,241	6,291 12 0	3	3,519	361 8 0	52	78,364	10,140 1 6
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	6	9,816	920 4 0	3	5,480	685 0 0	26	43,966	369 14 6	35	59,262	1,975 2 6
Tanjore	..	..	..	11	18,351	270 3 0	43	72,593	4,680 9 6	54	90,944	4,950 12 6
Madura	2	211	..	32	7,105	412 10 3	1	98	..	35	7,414	412 10 3
Tinnevelly	4	5,782	542 1 0	12	21,242	2,655 4 0	..	..	..	16	27,024	3,197 5 0
Total ..	40	57,263	6,742 4 9	127	162,817	15,577 1 9	73	120,176	5,412 0 0	240	340,256	27,731 6 6
Western Group.												
Malabar	3	3,361	129 10 6	29	41,950	1,604 7 6	4	3,804	438 11 6	36	49,115	2,172 13 6
South Canara	..	..	..	1	1,177	220 11 0	..	..	..	1	1,177	220 11 0
Total ..	3	3,361	129 10 6	30	43,127	1,825 2 6	4	3,804	438 11 6	37	50,292	2,393 8 6
Madras	2	3,843	405 5 1	215	458,231	61,244 13 6	..	..	..	217	462,074	61,650 2 7
Grand Total ..	45	64,467	7,277 4 4	372	664,175	78,647 1 9	77	123,980	5,850 11 6	494	852,622	91,775 1 7

APPENDIX B—*cont.*

Districts.	British vessels—*cont.*											
	Other vessels (excluding coasting steamers)—*cont.*											
	Left.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	38	39	40	41	42	43	44	45	46	47	48	49
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	..	..	..	9	15,642	..	..	..	..	9	15,642	..
Vizagapatam	..	..	..	37	58,509	..	..	..	..	37	58,509	..
Gódávari	3	3,216	..	46	69,069	..	3	4,679	..	52	76,964	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	1	1,561	..	10	17,446	..	26	43,966	..	37	62,973	..
Tanjore	..	..	..	8	13,528	..	46	77,416	..	54	90,944	..
Madura	33	7,395	..	2	211	13 3 0	1	98	..	36	7,704	13 3 0
Tinnevelly	2	3,023	..	14	24,001	..	..	..	..	16	27,024	..
Total	39	15,195	..	126	198,406	13 3 0	76	126,159	..	241	339,760	13 3 0
Western Group.												
Malabar	3	2,468	..	32	44,906	..	2	1,987	..	37	49,361	..
South Canara	..	..	..	1	1,177	..	..	..	..	1	1,177	..
Total	3	2,468	..	33	46,083	..	2	1,987	..	38	50,538	..
Madras	35	70,469	..	187	403,942	..	..	..	..	222	474,411	..
Grand Total	77	88,132	..	346	648,431	13 3 0	78	128,146	..	501	864,709	13 3 0

APPENDIX B—*cont.*

Districts.	Foreign vessels.											
	Arrived.											
	In ballast.			With cargo.			With passgeners.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	50	51	52	53	54	55	56	57	58	59	60	61
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	3	2,233	314 0 3	..	..	..	..	..	..	3	2,233	314 0 3
Vizagapatam	..	..	..	1	1,639	153 10 6	..	..	..	1	1,639	153 10 6
Gódavári	3	1,186	219 8 3	3	4,849	1,285 2 0	1	2,005	273 6 0	7	8,040	1,778 0 3
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	1	1,257	157 2 0	..	..	..	1	1,257	157 2 0
Tanjore	..	..	..	7	13,052	2,388 11 6	..	..	..	7	13,052	2,388 11 6
Madura	..	..	..	1	289	54 4 6	..	..	..	1	289	54 4 6
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..
Total	6	3,419	533 8 6	13	21,086	4,038 14 6	1	2,005	273 6 0	20	26,510	4,845 13 0
Western Group.												
Malabar	42	5,839	413 5 8	146	64,322	6,968 5 8	3	3,668	412 15 0	191	73,829	7,794 10 4
South Canara	153	3,058	100 10 1	272	8,801	536 0 9	1	16	1 0 0	426	11,875	637 10 10
Total	195	8,897	513 15 9	418	73,123	7,504 6 5	4	3,684	413 15 0	617	85,704	8,432 5 2
Madras	2	2,896	172 13 10	80	112,503	11,068 9 3	..	..	..	82	115,399	11,241 7 1
Grand Total	203	15,212	1,220 6 1	511	206,712	22,611 14 2	5	5,689	687 5 0	719	227,613	24,519 9 3

APPENDIX B—*cont.*

Foreign vessels—*cont.*

Left.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	62	63	64	65	66	67	68	69	70	71	72	73
Eastern Group.												
Ganjám	..	..	..	3	2,233	..	..	..	..	3	2,233	..
Vizagapatam	..	..	..	1	1,639	..	..	..	..	1	1,639	..
Gódávari	..	..	..	6	6,035	..	1	2,005	..	7	8,040	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	1	1,257	..	..	..	..	1	1,257	..
Tanjore	1	2,073	..	6	10,979	..	..	..	..	7	13,052	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	2,073	..	17	22,143	..	1	2,005	..	19	26,221	..
Western Group.												
Malabar	28	2,299	..	165	72,085	..	3	4,195	..	196	78,579	..
South Canara	56	1,547	..	371	10,466	..	..	..	..	427	12,013	..
Total ..	84	3,846	..	536	82,551	..	3	4,195	..	623	90,592	..
Madras	9	11,248	..	74	102,122	..	..	..	..	83	113,370	..
Grand Total ..	94	17,167	..	627	206,816	..	4	6,200	..	725	230,183	..

APPENDIX B—*cont.*

Native craft.

Arrived.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage	Dues.
	74	75	76	77	78	79	80	81	82	83	84	85
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	6	489	22 14 9	9	1,317	77 15 0	..	..	..	15	1,806	100 13 9
Vizagapatam	2	414	16 7 0	6	864	54 0 0	..	..	..	8	1,278	70 7 0
Gódávari	60	9,274	445 4 9	51	6,307	353 3 0	11	2,519	127 0 0	122	18,100	925 7 9
Kistna	190	17,735	554 15 9	137	10,859	541 1 9	1	223	13 15 0	328	28,817	1,110 0 6
Nellore	3	157	1 13 3	17	773	38 9 3	..	..	..	20	930	40 6 6
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	53	6,237	145 14 6	42	5,239	268 9 0	66	6,275	288 2 6	161	17,751	702 10 0
Tanjore	373	25,053	665 9 1	428	37,224	1,567 6 11	359	18,322	678 7 6	1,160	80,599	2,911 7 6
Madura	1,281	27,643	210 13 2	992	41,175	1,889 5 8	1,380	17,157	127 5 9	3,653	85,975	2,227 8 7
Tinnevelly	376	10,993	213 13 9	1,404	55,435	1,261 0 3	156	6,483	36 3 9	1,936	72,911	1,511 1 9
Total ..	2,344	97,995	2,277 10 0	3,086	159,193	6,051 2 10	1,973	50,979	1,271 2 6	7,403	308,167	9,599 15 4
Western Group.												
Malabar	1,959	72,871	2,417 4 9	5,419	202,756	6,956 10 4	268	11,619	564 14 6	7,646	287,246	9,968 13 7
South Canara	1,575	24,909	391 8 4	2,852	61,114	2,035 4 6	236	3,731	42 1 5	4,663	89,754	2,468 14 3
Total ..	3,534	97,780	2,838 13 1	8,271	263,870	8,991 14 10	504	15,350	606 15 11	12,309	377,000	12,437 11 10
Madras	12	1,613	119 11 1	54	5,878	488 14 5	..	..	..	66	7,491	608 9 6
Grand Total ..	5,890	197,388	5,236 2 2	11,411	428,941	15,532 0 1	2,477	66,329	1,878 2 5	19,778	692,658	22,646 4 8

APPENDIX B—*cont.*

Native craft—*cont.*

Left.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels	Tonnage.	Dues.
	86	87	88	89	90	91	92	93	94	95	96	97
			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Eastern Group.												
Ganjám	1	121	..	16	2,394	..	..	..	..	17	2,515	..
Vizagapatam	2	288	..	6	990	..	..	..	..	8	1,278	..
Gódávari	37	5,672	..	53	8,121	..	3	956	..	93	14,749	..
Kistna	41	3,771	..	314	26,622	..	..	..	..	355	30,393	..
Nellore	12	505	..	8	425	7 6 0	..	..	..	20	930	7 6 0
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	56	5,908	..	52	5,261	..	60	5,998	..	168	17,167	..
Tanjore	199	18,327	24 5 4	646	52,955	18 14 9	322	9,219	46 4 0	1,167	80,501	89 8 1
Madura	1,256	40,912	9 7 6	882	28,076	289 7 6	1,558	18,586	37 7 6	3,696	87,574	336 6 6
Tinnevelly	610	16,685	5 7 0	1,191	49,932	..	142	6,436	2 1 0	1,943	73,053	7 8 0
Total ..	2,214	92,189	39 3 10	3,168	174,776	315 12 3	2,085	41,195	85 12 6	7,467	308,160	440 12 7
Western Group.												
Malabar	1,596	48,470	..	5,940	236,287	..	166	4,714	..	7,702	289,471	..
South Canara	963	16,408	..	3,404	69,996	..	265	3,832	..	4,632	90,236	..
Total ..	2,559	64,878	..	9,344	306,283	..	431	8,546	..	12,334	379,707	..
Madras	25	2,641	..	37	4,378	..	..	..	..	62	7,019	..
Grand Total ..	4,798	159,708	39 3 10	12,549	485,437	315 12 3	2,516	49,741	85 12 6	19,863	694,886	440 12 7

APPENDIX B—*cont.*

Total.

Arrived.

Districts	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	98	99	100	101	102	103	104	105	106	107	108	109
			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Eastern Group.												
Ganjám	13	8,400	963 2 3	197	303,403	13,818 8 0	157	242,619	3,423 15 0	367	554,422	18,205 9 3
Vizagapatam	10	15,166	1,546 3 0	396	655,853	11,979 7 6	112	175,285	2,457 6 0	518	846,304	15,983 0 6
Gódávari	82	36,222	4,455 2 0	149	192,669	12,114 0 6	219	345,681	3,276 1 0	450	574,572	19,845 3 6
Kistna	196	30,093	554 15 9	220	156,023	4,235 9 9	120	174,561	1,813 0 0	536	360,677	6,603 9 6
Nellore	3	157	1 13 3	20	5,326	38 9 3	..	..	..	23	5,483	40 6 6
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	59	16,053	1,066 2 6	195	271,405	6,287 12 0	93	52,397	658 1 0	347	339,855	8,011 15 6
Tanjore	374	25,535	665 9 1	629	357,478	8,280 12 8	535	269,660	16,075 13 0	1,538	652,673	25,022 2 9
Madura	1,297	31,638	210 13 2	1,088	63,806	2,290 3 5	1,540	58,472	1,626 12 9	3,925	153,916	4,227 13 4
Tinnevelly	384	18,251	760 2 3	1,786	517,735	44,380 15 0	157	7,553	36 3 9	2,327	543,539	45,177 5 0
Total ..	2,418	181,515	10,223 15 3	4,680	2,523,698	103,525 14 1	2,933	1,326,228	29,367 4 6	10,031	4,031,441	1,43,117 1 10
Western Group.												
Malabar	2,005	83,322	2,990 4 11	6,132	1,282,890	58,963 6 6	453	330,183	9,319 10 3	8,590	1,696,395	71,273 5 8
South Canara	1,730	27,989	492 2 5	3,125	71,092	2,792 0 3	633	315,721	5,407 9 1	5,488	414,802	8,691 11 9
Total ..	3,735	111,311	3,482 7 4	9,257	1,353,982	61,755 6 9	1,086	645,904	14,727 3 4	14,078	2,111,197	79,965 1 5
Madras	16	8,352	697 14 0	708	1,225,383	112,688 0 7	..	..	..	724	1,233,735	1,13,385 14 7
Grand Total ..	6,169	301,178	14,404 4 7	14,645	5,103,063	277,969 5 5	4,019	1,972,132	44,094 7 10	24,833	7,376,373	3,36,468 1 10

ABSTRACT of Appendix B.

—	1893-94. Madras. NUMBER.	Madras. TONNAGE.	Eastern Group. NUMBER.	Eastern Group. TONNAGE.	Western Group. NUMBER.	Western Group. TONNAGE.	Total. NUMBER.	Total. TONNAGE.	1892-93. NUMBER.	1892-93. TONNAGE.	1891-92. NUMBER.	1891-92. TONNAGE.
Class of Vessels.												
British .. Coasting steamers ..	359	648,771	2,368	3,356,508	1,115	1,598,201	3,842	5,603,480	3,821	5,350,954	3,776	5,235,986
British .. Other vessels ..	217	462,074	240	340,256	37	50,292	494	852,622	493	810,186	541	906,802
Foreign vessels	82	115,399	20	26,510	617	85,704	719	227,613	745	228,525	702	206,049
Native do.	66	7,491	7,403	308,167	12,309	377,000	19,778	692,658	20,673	723,604	19,432	706,855
Total ..	724	1,233,735	10,031	4,031,441	14,078	2,111,197	24,833	7,376,373	25 732	7,113,269	24,451	7,055,692
Dues collected.	RS.		RS.		RS.		RS.		RS.		RS.	
British .. Coasting steamers ..	39,886		1,00,998		56,701		1,97,585		1,84,536		1,80,348	
British .. Other vessels ..	61,650		27,744		2,394		91,788		83,089		1,02,626	
Foreign vessels	11,242		4,846		8,432		24,520		25,437		21,505	
Native do.	608		10,041		12,438		23,087		26,708		26,171	
Total ..	1,13,386		1,43,629		79,965		3,36,980		3,19,770		3,30,650	

APPENDIX B—*cont.*

Districts.	Total—*cont.* — Left. In ballast. Ve-sels.	Tonnage.	Dues.	With cargo. Vessels.	Tonnage.	Dues.	With passengers. Vessels.	Tonnage.	Dues.	Total. Vessels.	Tonnage.	Dues.
	110	111	112	113	114	115	116	117	118	119	120	121
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	1	121	..	209	309,234	..	160	246,718	..	370	556,073	..
Vizagapatam	2	288	..	402	667,446	..	112	176,285	..	616	843,019	..
Godávari	40	8,888	..	177	225,988	..	203	338,240	..	420	673,116	..
Kistna	73	54,859	..	376	128,277	..	115	179,117	..	663	862,253	..
Nellore	12	605	..	11	4,978	7 6 0	..	..	..	23	5,483	7 6 0
Chingleput	.. ..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	58	9,345	..	195	250,645	..	102	81,481	..	355	341,421	..
Tanjore	200	20,400	24 5 4	887	422,377	18 14 9	460	212,047	46 4 0	1,647	664,824	89 8 1
Madura	1,321	56,074	9 7 6	942	42,426	360 16 6	1,705	67,016	37 7 6	3,968	166,516	407 14 6
Tinnevelly	617	27,736	6 7 0	1,578	608,124	..	143	7,791	2 1 0	2,333	643,661	7 8 0
Total ..	2,324	178,216	39 3 10	4,771	2,659,495	387 4 3	3,000	1,297,645	86 12 6	10,095	4,035,356	512 4 7
Western Group.												
Malabar	1,671	135,369	..	6,646	1,265,988	..	331	298,886	..	8,648	1,700,193	..
South Canara	1,021	17,978	..	3,776	81,689	..	661	315,807	..	6,468	416,424	..
Total ..	2,692	153,347	..	10,422	1,347,627	..	992	614,643	..	14,106	2,116,617	..
Madras	127	194,773	..	696	1,041,901	..	..	..	..	728	1,236,674	..
Grand Total ..	5,143	526,336	39 3 10	15,789	4,949,023	387 4 3	3,992	1,912,288	86 12 6	24,924	7,387,647	512 4 7

APPENDIX C.

STATEMENT showing the Financial position of the Port and Marine Funds of the Madras Presidency on the 31st March 1894.

—	Opening balance, 1892–93.			1893–94.								Closing balance, 1893–94.		
	Loan outstanding.	Sums lent (*a*) Government securities (*b*).	Cash balance.	Receipts, Appendix C (i). Cash.	Receipts, Appendix C (i). Adjustments.	Charges, Appendix C (ii). Cash.	Charges, Appendix C (ii). Adjustments.	Surplus +. Deficit —.	Adjustment by the Presidency Port Officer. (*f*) Interest on Loan. Credit.	Adjustment by the Presidency Port Officer. (*f*) Interest on Loan. Debit.	Government securities purchased and received to credit (*e*). Government securities sold and transferred (*d*). Repayment of loan (*e*).	Loan outstanding.	Sums lent (*a*) Government securities (*b*).	Cash balance.
PORT FUNDS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Act X of 1889.														
Ganjám	— 1,89,400 0 0	..	— 14,015 12 1	19,914 15 10	14,015 12 1	17,067 8 9	..	+ 16,863 3 2	..	(*f*)—7,576 0 0	..	— 1,89,400 0 0	..	— 4,728 8 11
Vizagapatam	..	(*b*) + 90,000 0 0	+ 1,793 12 7	35,742 14 11	..	32,335 4 0	..	+ 3,407 10 11	..	..	(*e*) + 8,000 0 0	..	(*b*) + 98,000 0 0	+ 5,201 7 6
Gódávari	..	(*b*) + 4,000 0 0	+ 9,449 15 7	29,713 8 0	..	28,664 15 2	..	+ 1,048 8 10	..	..	(*c*) + 6,000 0 0	..	(*b*) + 10,000 0 0	+ 10,498 8 5
Kistna	— 6,500 0 0	..	— 34 13 2	14,284 0 1	..	11,446 4 2	..	+ 2,837 11 11	..	(*f*)— 260 0 0	(*e*) + 2,500 0 0	— 4,000 0 0	..	+ 42 14 9
Nellore	..	(*b*) + 8,000 0 0	+ 1,190 4 5	1,423 14 0	..	181 6 3	..	+ 1,242 7 9	..	..	..	..	(*b*) + 8,000 0 0	+ 2,432 12 2
Chingleput	..	(*b*) + 6,000 0 0	+ 585 0 4	766 2 8	..	..	..	+ 766 2 8	..	..	(*c*) + 2,000 0 0	..	(*b*) + 6,000 0 0	+ 1,351 3 0
South Arcot	..	(*b*) + 17,000 0 0	+ 3,364 10 5	13,706 6 6	..	13,796 15 6	..	— 90 9 0	..	..	(*c*) + 5,100 0 0	..	(*b*) + 19,000 0 0	+ 3,274 1 5
Tanjore	— 12,100 0 0	..	+ 36 7 10	28,354 12 6	..	22,759 12 3	..	+ 5,595 0 3	..	(*f*)— 484 0 0	..	— 7,000 0 0	..	+ 47 8 1
Madura	..	..	+ 1,701 2 2	8,329 2 9	..	7,963 1 1	* 1,701 2 2	— 1,335 0 6	..	..	..	..	..	+ 366 1 8
Tinnevelly	..	(*b*) + 55,000 0 0 (*a*) + 70,200 0 0	+ 38,255 2 8	46,738 4 10	(*e*) 70,000 0 0 (*f*) 3,966 10 8	30,510 5 7	‡ 742 13 11	+ 89,450 12 0	(*f*) + 8 0 0	..	(*e*) + 70,000 0 0	..	(*b*) + 55,000 0 0 (*a*) + 200 0 0	+ 1,27,713 14 8
Total ..	— 2,08,000 0 0	+ 2,50,200 0 0	+ 42,325 14 9	1,98,974 2 1	87,982 6 9	1,64,725 8 9	2,445 0 1	+ 1,19,786 0 0 (*e*)— 70,000 0 0	+ 8 0 0	— 8,320 0 0	+ 93,600 0 0 (*e*) — 77,600 0 0	—2,00,400 0 0	+ 1,96,200 0 0	+ 1,46,199 14 9
		+ 84,525 14 9		2,86,956 8 10		1,67,170 8 10		+ 49,786 0 0	— 8312 0 0		+ 16,000 0 0		+ 1,41,999 14 9	
Malabar	..	(*b*) + 1,90,000 0 0	+ 53,576 15 0	78,172 7 8	..	74,605 6 6	16,500 0 0	— 12,932 14 10	..	..	(*c*) + 30,000 0 0	..	(*b*) + 2,20,000 0 0	+ 40,644 0 2
South Canara	..	(*b*) + 35,000 0 0	+ 6,816 14 0	17,877 14 3	..	14,364 5 11	..	+ 3,513 8 4	..	..	(*c*) + 3,000 0 0	..	(*a*) + 16,500 0 0 (*b*) + 38,000 0 0	+ 10,330 6 4
Total ..	..	+ 2,25,000 0 0	+ 60,393 13 0	96,050 5 11	..	88,969 12 5	16,500 0 0	— 9,419 6 6 (*a*) + 16,500 0 0	..	..	+ 33,000 0 0	..	+ 2,74,500 0 0	+ 50,974 6 6
		+ 2,85,393 13 0		96,050 5 11		1,05,469 12 5		+ 7,080 9 6		..	+ 3,3000 0 0		+ 3,25,474 6 6	
Madras	..	(*a*) + 2,08,000 0 0 (*b*) + 20,000 0 0	+ 57,607 5 6	1,17,042 13 5	10,315 5 11	59,923 8 0	..	+ 67,434 11 4	(*f*) 8,320 0 0	..	(*c*) — 7,600 0 0 (*d*) — 20,000 0 0 (*c*) + 33,900 0 0	..	+ 2,00,400 0 0 + 33,900 0 0	+ 1,40,962 0 10
		+ 2,85,607 5 6		1,27,358 3 4		59,923 8 0		+ 67,434 11 4	+ 8,320 0 0		+ 6,300 0 0 (*e*) + 7,600 0 0		+ 3,75,262 0 10	
											+ 13,900 0 0			
Grand Total ..	— 2,08,000 0 0	+ 7,03,200 0 0	+ 1,60,327 1 3	4,12,067 5 5	98,297 12 8	3,11,001 0 8	21,562 12 7	+ 1,77,801 4 10 (*e*)— 70,000 0 0 (*d*)+ 16,500 0 0	+8,328 0 0	—8,320 0 0	+ 62,900 0 0	— 2,00,400 0 0	+ 7,05,000 0 0	+ 3,38,136 6 1
		+ 6,55,527 1 3		5,10,365 2 1		3,32,563 13 3		+ 1,24,301 4 10	+ 8 0 0		+ 62,900 0 0		+ 8,42,736 6 1	
PILOTAGE FUNDS.														
Act X of 1889.														
Madras	..	+ 83,900 0 0	+ 6,848 9 0	31,516 9 2	..	30,481 5 0	10,315 5 11	— 9,280 1 9	..	..	(*d*) — 33,900 0 0	..	+ 50,000 0 0	— 2,431 8 9
Pamban and Kilakarai ..	— 70,200 0 0	..	— 6,206 9 6	8,878 6 6	70,000 0 0 * 1,701 2 2 † 3,361 10 5	36,619 5 6	70,000 0 0 (*f*) 3,966 10 8	— 26,644 13 1	..	— 8 0 0	(*e*) + 70,000 0 0	— 200 0 0	..	— 32,859 6 7
Cochin	..	..	+ 18,029 1 6	2,554 10 5	..	15,066 4 2	..	— 12,511 9 9	..	..	(*c*) + 12,000 0 0	..	+ 12,000 0 0	+ 5,517 7 9
Mangalore	..	..	— 3 15 7	256 8 0	..	281 0 0	..	— 24 8 0	..	..	..	..	..	— 28 7 7
LANDING AND SHIPPING DUES.														
Act III of 1885.														
Vizagapatam	..	..	+ 4,941 3 10	6,527 6 5	..	890 14 6	..	+ 5,636 7 11	..	..	..	..	..	+ 10,577 11 9
Cocanada	..	..	+ 18,439 0 7	39,977 4 9	16,500 0 0	19,500 6 5	‡ 2,617 12 6	+ 34,359 1 10	..	..	..	..	..	+ 52,798 2 5
Masulipatam	..	..	+ 2,716 9 11	3,956 6 6	..	716 10 5	..	+ 3,239 12 1	..	..	..	— 16,500 0 0	..	+ 5,956 6 0
Negapatam	..	..	+ 33,701 7 7	13,330 4 8	..	6,363 14 6	..	+ 6,966 6 2	..	..	..	..	..	+ 40,667 13 9
Mangalore	..	..	+ 5,929 6 4	8,157 7 2	..	566 15 4	..	+ 7,590 7 10	..	..	..	..	..	+ 13,519 14 2

* Madura surplus of Ports funds for 1892–93 transferred to Pamban and Kilakarai Pilotage funds.

† Contribution received on account of Dredger *Wenlock* charges.

‡ Contribution paid on account of Dredger *Wenlock* charges.

APPENDIX C (i).

STATEMENT showing the Receipts of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94, revised in accordance with the rules published in G.O., No. 24, Marine, dated 27th January 1890.

Districts.	Share of Coasting Steamers' dues.	Other Port dues.	Share of General Administration receipts.	Miscellaneous.	Public Works receipts.	Fees.	Interest.	Repayment of loans, advances and contributions.	Provincial contribution.	Total.
Eastern Group.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Ganjám	16,005 7 0	1,909 1 9	3 8 6	642 9 10	..	1,354 4 9	..	..	14,015 12 1	33,930 11 11
Vizagapatam	23,385 12 8	5,785 4 6	5 6 3	880 0 3	..	1,940 0 4	3,746 6 11	..	..	35,742 14 11
Gódávari	14,064 12 1	12,843 9 6	3 10 7	151 11 3	540 0 0	1,833 9 9	276 2 10	..	..	29,713 8 0
Kistna	9,929 7 8	1,110 0 6	2 4 9	621 8 2	..	2,620 11 0	..	..	..	14,284 0 1
Nellore	136 3 8	47 12 6	0 0 7	920 10 1	..	..	319 3 2	..	..	1,423 14 0
Chingleput	..	..	..	526 12 4	..	..	239 6 4	..	..	766 2 8
Madras	39,885 11 5	70,615 3 8	7 13 9	13,646 5 9	..	3,203 0 9	..	..	..	1,27,358 3 4
South Arcot	7,826 12 10	2,834 14 6	2 2 8	1,489 2 1	..	836 3 10	717 2 7	..	..	13,706 6 6
Tanjore	14,005 3 5	10,340 7 7	4 2 7	658 8 3	..	3,346 6 8	..	..	..	28,354 12 6
Madura	1,802 5 9	3,143 15 9	0 15 8	1,842 1 0	..	1,539 12 7	..	..	..	8,329 2 9
Tinnevelly	13,272 14 11	4,756 14 3	3 7 5	20,833 5 4	..	2,869 2 11	8,969 2 8	70,000 0 0	..	1,20,704 15 6
Total ..	1,40,314 11 5	1,13,387 4 6	33 8 9	42,212 10 4	540 0 0	19,543 4 7	14,267 8 6	70,000 0 0	14,015 12 1	4,14,314 12 2
Western Group.										
Malabar	45,632 6 4	19,936 5 5	10 12 11	763 1 0	..	3,666 0 0	8,163 14 0	..	..	78,172 7 8
South Canara	11,069 1 7	3,326 14 4	2 10 4	608 9 6	..	1,415 13 11	1,454 12 7	..	..	17,877 14 3
Total ..	56,701 7 11	23,263 3 9	13 7 3	1,371 10 6	..	5,081 13 11	9,618 10 7	..	..	96,050 5 11
Grand Total ..	1,97,016 3 4	1,36,650 8 3	47 0 0	43,584 4 10	540 0 0	24,625 2 6	23,886 3 1	70,000 0 0	14,015 12 1	5,10,365 2 1

APPENDIX C (i–*a*).

STATEMENT showing the *actual receipts* of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	Coasting Steamers' dues.	Other Port dues.	General Administration receipts.	Miscellaneous receipts.	Public Works receipts.	Fees.	Interest.	Repayment of loans, advances and contribution.	Provincial contribution.	Total.
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	16,296 7 6	1,909 1 9	..	642 9 10	..	1,354 4 9	..	..	14,015 12 1	34,218 3 11
Vizagapatam	10,197 12 0	5,785 4 6	..	880 0 3	..	1,940 0 4	3,746 6 11	..	..	22,549 8 0
Gódávari	7,001 10 0	12,843 9 6	..	151 11 3	540 0 0	1,833 9 9	276 2 10	..	..	22,646 11 4
Kistna	4,933 14 0	1,110 0 6	..	621 8 2	..	2,620 11 0	..	..	..	9,286 1 8
Nellore	..	47 12 6	..	920 10 1	..	..	319 3 2	..	..	1,287 9 9
Chingleput	..	..	..	526 12 4	..	..	239 6 4	..	..	766 2 8
Madras	39,885 11 5	70,615 3 8	47 0 0	13,646 5 9	..	3,203 0 9	..	..	..	1,27,397 5 7
South Arcot	5,177 1 0	2,834 14 6	..	1,489 2 1	..	836 3 10	717 2 7	..	..	11,054 8 0
Tanjore	14,771 3 3	10,340 7 7	..	658 8 3	..	3,346 6 8	..	..	..	29,116 9 9
Madura	1,591 11 0	3,143 15 9	..	1,842 1 0	..	1,539 12 7	..	..	..	8,117 8 4
Tinnevelly	40,459 5 3	4,756 14 3	..	20,833 5 4	..	2,869 2 11	8,969 2 8	70,000 0 0	..	1,47,887 14 5
			..							
Total ..	1,40,314 11 5	1,13,387 4 6	47 0 0	42,212 10 4	540 0 0	19,543 4 7	14,267 8 6	70,000 0 0	14,015 12 1	4,14,328 3 5
Western Group.										
Malabar	51,337 0 3	19,936 5 5	..	763 1 0	..	3,666 0 0	8,163 14 0	..	..	83,866 4 8
South Canara	5,364 7 8	3,326 14 4	..	608 9 6	..	1,415 13 11	1,454 12 7	..	..	12,170 10 0
Total ..	56,701 7 11	23,263 3 9	..	1,371 10 6	..	5,081 13 11	9,618 10 7	..	..	96,036 14 8
Grand Total ..	*1,97,016 3 4	1,36,650 8 3	47 0 0	43,584 4 10	540 0 0	24,625 2 6	23,886 3 1	70,000 0 0	14,015 12 1	5,10,365 2 1

* Total of coasting steamers' dues as per abstract statement in Appendix B .. .. RS. A. P. 1,97,585 7 4

Deduct—

	RS. A. P.	RS. A. P.
Refund of coasting steamers' dues, Eastern Group	569 4 0	
Do. do. Western Group	..	
		569 4 0
Total ..		1,97,016 3 4

APPENDIX C (ii).

STATEMENT showing the charges of the Maritime Districts of the Madras Presidency (under Act X of 1889) for the official year 1893–94, revised in accordance with the rules published in G.O., No. 24, Marine, dated 27th January 1890.

Districts.	Share of General Administration charges.	Share of Lighthouse charges.	Establishment.		Contingencies and Miscellaneous.	Public Works charges.	Fees.	Interest.	Repayment of loans, advances and contributions.	Total.
			Port Officers and Conservators.	Other Establishments.						
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.
Ganjám	4,637 10 3	3,744 14 1	3,792 7 8	1,522 3 7	2,257 6 4	503 5 8	609 9 2	..	..	17,067 8 9
Vizagapatam	7,079 2 10	5,716 6 9	5,961 13 11	2,156 1 4	10,132 3 4	163 0 7	1,126 7 3	..	..	32,335 4 0
Gódávari	4,806 3 0	3,880 15 9	5,808 12 6	2,282 5 11	11,120 3 6	62 2 9	704 3 9	..	..	28,664 15 2
Kistna	3,016 15 11	2,436 3 6	2,755 10 3	747 11 9	1,256 7 2	12 4 7	1,220 15 0	..	..	11,446 4 2
Nellore	45 13 10	37 0 7	..	..	98 7 10	..	..	..	..	181 6 3
Chingleput	..	..	..	..	..	..	..	..	..	..
Madras	10,319 15 5	8,333 5 7	10,018 11 10	14,714 5 0	16,304 14 9	232 3 5	..	..	..	59,923 8 0
South Arcot	2,842 13 2	2,295 9 2	840 0 0	1,953 0 0	4,156 7 8	1,430 13 3	278 4 3	..	..	13,796 15 6
Tanjore	5,459 7 10	4,408 8 5	5,763 8 1	1,653 10 10	2,320 1 4	1,790 11 1	1,363 12 8	..	..	22,759 12 3
Madura	1,287 7 8	1,039 10 2	2,629 0 5	490 14 8	3,650 7 9	434 14 8	131 11 11	..	..	9,664 3 3
Tinnevelly	4,546 9 8	3,671 6 0	3,099 8 1	2,411 3 11	1,985 2 11	14,033 0 0	1,507 4 11	..	..	31,254 3 6
Total ..	44,042 3 7	35,564 0 0	40,369 8 9	27,931 9 0	53,281 14 7	18,662 8 0	6,942 4 11	..	..	2,27,094 0 10
Western Group.										
Malabar	14,190 0 6	3,562 13 1	11,810 4 11	5,580 13 9	52,013 8 11	2,342 6 6	1,605 6 10	..	..	91,105 6 6
South Canara	3,469 11 11	871 2 11	3,997 14 8	1,312 0 0	4,014 1 1	395 8 0	303 15 4	..	..	14,364 5 11
Total ..	17,659 12 5	4,434 0 0	15,808 3 7	6,892 13 9	56,027 10 0	2,737 14 6	1,909 6 2	..	..	1,05,469 12 5
Grand Total ..	61,702 0 0	39,998 0 0	56,477 12 4	34,824 6 9	1,09,309 8 7	21,400 6 6	8,851 11 1	..	..	3,32,563 13 3

APPENDIX C (ii-*a*).

STATEMENT showing the actual charges of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	General charges.	Lighthouse charges.	Establishment. Port Officers and Conservators.	Establishment. Other Establishments.	Contingencies and Miscellaneous.	Public Works charges.	Fees.	Interest.	Repayment of loans, advances and contributions.	Total.
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. A.	RS. A. P.	RS. A. P.			RS. A. P.
Ganjám	90 8 0	1,269 3 5	3,792 7 8	1,522 3 7	2,257 6 4	503 5 8	609 9 2	..	..	10,044 11 10
Vizagapatam	334 9 0	2,278 6 9	5,961 13 11	2,156 1 4	10,132 3 4	163 0 7	1,126 7 3	..	..	22,152 10 2
Gódávari	705 0 0	4,557 10 1	5,808 12 6	2,282 5 11	11,120 3 6	62 2 9	704 3 9	..	..	25,240 6 6
Kistna	113 7 0	2,519 7 8	2,755 10 3	747 11 9	1,256 7 2	12 4 7	1,220 15 0	..	..	8,625 15 5
Nellore	54 0 0	2,421 15 6	..	..	98 7 10	..	..	..	..	2,574 7 4
Chingleput	..	5,601 13 11	..	..	..	..	..	..	..	5,601 13 11
Madras	58,495 14 0	6,724 4 1	10,018 11 10	14,714 5 0	16,304 14 9	232 3 5	..	..	..	1,06,490 5 1
South Arcot	130 0 5	526 0 4	840 0 0	1,953 0 0	4,156 7 8	1,430 13 3	278 4 3	..	..	9,314 9 11
Tanjore	168 0 0	1,199 6 5	5,763 8 1	1,653 10 10	2,320 1 4	1,790 11 1	1,363 12 8	..	..	14,259 2 5
Madura	..	948 15 1	2,629 0 5	490 14 8	3,650 7 9	434 14 8	131 11 11	..	..	8,286 0 6
Tinnevelly	119 7 6	7,516 12 9	3,099 8 1	2,411 3 11	1,985 2 11	14,033 0 0	1,507 4 11	..	..	30,672 8 1
Total ..	60,210 13 11	35,564 0 0	40,669 8 9	27,931 9 0	53,281 14 7	18,662 8 0	6,942 4 11	..	..	2,43,262 11 2
Western Group.										
Malabar	1,444 7 5	2,799 2 7	11,810 4 11	5,580 13 9	52,013 8 11	2,342 6 6	1,605 6 10	..	..	77,596 2 11
South Canara	46 10 8	1,634 13 5	3,997 14 8	1,312 0 0	4,014 1 1	395 8 0	303 15 4	..	..	11,704 15 2
Total ..	1,491 2 1	4,434 0 0	15,808 3 7	6,892 13 9	56,027 10 0	2,737 14 6	1,909 6 2	..	..	89,301 2 1
Grand Total ..	61,702 0 0	39,998 0 0	56,477 12 4	34,824 6 9	1,09,309 8 7	21,400 6 6	8,851 11 1	..	..	3,32,563 13 3

APPENDIX C (iii).

STATEMENT showing particulars of General Receipts and Charges of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	Receipts. Survey and registration of vessels.	Receipts. Sale of surplus stores.	Receipts. Total.	Charges. Officers of the Administrative Department.	Charges. Presidency Port Office establishment.	Charges. Contingencies.	Charges. Travelling allowance of Officers of the Administrative Department.	Charges. Leave allowance of Port Officers.	Charges. Miscellaneous.	Charges. Pensions and gratuities.	Charges. Tide-gauge. Establishment.	Charges. Tide-gauge. Contingencies.	Charges. Total.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	..	..	..	..	..	..	..	..	..	90 8 0	..	..	90 8 0
Vizagapatam	..	..	..	..	..	..	..	..	..	334 9 0	..	..	334 9 0
Gódávari	..	..	..	..	..	..	45 0 0	..	..	660 0 0	..	..	705 0 0
Kistna	..	..	..	61 15 0	..	..	11 8 0	..	..	40 0 0	..	..	113 7 0
Nellore	..	..	..	..	..	..	..	..	..	54 0 0	..	..	54 0 0
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras — Madras Presidency Port Office ..	43 6 0	3 10 0	47 0 0	17,792 13 7	11,131 8 8	2,164 14 0	3,106 0 0	3,718 5 2	*2,027 14 2	18,554 6 5	..	..	18,554 6 5
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..	39,941 7 7
Tanjore	..	..	..	..	..	..	..	..	..	130 0 5	..	..	130 0 5
Madura	..	..	..	..	..	..	..	..	..	168 0 0	..	..	168 0 0
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..
Malabar	..	..	..	..	..	..	..	..	..	..	119 7 6	..	119 7 6
South Canara	..	..	..	..	..	..	..	..	..	1,434 7 5	..	10 0 0	1,444 7 5
	..	..	..	..	..	..	..	..	..	46 10 8	..	..	46 10 8
Total ..	43 6 0	3 10 0	47 0 0	17,854 12 7	11,131 8 8	2,164 14 0	3,162 8 0	3,718 5 2	2,027 14 2	21,512 9 11	119 7 6	10 0 0	61,702 0 0

* This sum includes the following special charges :—

	RS. A. P.
Printing and stationery charges	1,007 2 2
Rent of telephone line	174 4 6
Periodicals supplied	714 10 10
Share of Municipal assessment on Port Office building	125 4 8

APPENDIX C (iv-*a*).

STATEMENT of fees received during 1893–94.

Districts.	Fees levied under Acts.	Overtime fees for Port Officers and Conservators.	Overtime fees for establishments.	Total.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	400 0 0	893 1 4	61 3 5	1,354 4 9
Vizagapatam	379 0 0	1,175 6 0	385 10 4	1,940 0 4
Gódávari	216 2 0	1,410 12 0	206 11 9	1,833 9 9
Kistna	320 12 0	1,960 0 0	339 15 0	2,620 11 0
Nellore	..	..	..	..
Chingleput	..	..	..	..
Madras	1,527 8 0	1,324 0 0	351 8 9	3,203 0 9
South Arcot	445 6 0	112 9 7	278 4 3	836 3 10
Tanjore	929 10 0	2,103 0 0	313 12 8	3,346 6 8
Madura	586 2 0	880 0 0	73 10 7	1,539 12 7
Timevelly	334 6 0	2,060 0 0	474 12 11	2,869 2 11
Malabar	946 4 0	2,357 5 7	362 6 5	3,666 0 0
South Canara	800 0 0	560 0 0	55 13 11	1,415 13 11
Total ..	6,885 2 0	14,836 2 6	2,903 14 0	24,625 2 6

NOTE.—Overtime fees for establishment and *full* fees levied on account of Boat Overseer's services at Madras have not been brought to Government accounts in 1893–94. The Chairman, Harbour Trust Board, has been informed that the amount should be credited in full and then redrawn for payment to the parties concerned.

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APPENDIX C (iv-*b*).

STATEMENT of fees paid during 1893–94.

Districts.	Overtime fees paid to Port Officers and Conservators.	Overtime fees paid to establishments.	Total.
	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	519 8 4	90 0 10	609 9 2
Vizagapatam	751 7 6	374 15 9	1,126 7 3
Gódávari	497 8 0	206 11 9	704 3 9
Kistna	1,045 8 0	175 7 0	1,220 15 0
Nellore	..	..	..
Chingleput	..	..	..
Madras	..	..	..
South Arcot	27 15 5	250 4 10	278 4 3
Tanjore	1,050 0 0	313 12 8	1,363 12 8
Madura	64 2 7	67 9 4	131 11 11
Tinnevelly	1,032 8 0	474 12 11	1,507 4 11
Malabar	1,244 2 9	361 4 1	1,605 6 10
South Canara	232 8 0	71 7 4	303 15 4
Total ..	6,465 4 7	2,386 6 6	8,851 11 1

NOTE.—No charges appeared in Madras as overtime fees collected at that port were not paid into the Treasury and then redrawn. The Chairman, Harbour Trust Board, has been asked to pay into the Treasuary *all* fees recovered and then to redraw sums required for disbursement.

APPENDIX C (v).

STATEMENT showing Receipts and Charges of the Marine Funds of the Madras Presidency for 1893–94.

Funds.	Receipts.	Charges.
Landing and Shipping Dues Act III of 1885.	RS. A. P.	RS. A. P.
Vizagapatam	6,527 6 5	890 14 6
Cocanada	56,477 4 9	22,118 2 11
Masulipatam	3,956 6 6	716 10 5
Negapatam	13,330 4 8	6,363 14 6
Mangalore	8,157 7 2	566 15 4
Total ..	88,448 13 6	30,656 9 8
Pilotage Funds (Act X of 1889).		
Madras	31,516 9 2	40,796 10 11
Pámban and Kilakarai	83,941 3 1	1,10,586 0 2
Cochin	2,554 10 5	15,066 4 2
Mangalore	256 8 0	281 0 0
Total ..	1,18,268 14 8	1,66,729 15 3

APPENDIX C (vi-*a*).

PLUS and MINUS entries to be made in Port Fund Receipts (Act X of 1889) for 1893–94 to arrive at the figures given in Appendix C (i).

1	2	3		4	5		6		7
Districts.	Total receipts as per monthly accounts sent to Accountant-General.	Other adjustments.		Net receipts as per Appendix C (i-*a*).	Adjustments of coasting steamers' dues.		Adjustment of general receipts.		Net receipt as per Appendix C (i).
		Add.	Deduct.		Add.	Deduct.	Add.	Deduct.	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	34,218 3 11	..	..	34,218 3 11	16,005 7 0	16,296 7 6	3 8 6	..	33,930 11 11
Vizagapatam	22,549 8 0	..	..	22,549 8 0	23,385 12 8	10,197 12 0	5 6 3	..	35,742 14 11
Godávari	22,646 11 4	..	..	22,646 11 4	14,064 12 1	7,001 10 0	3 10 7	..	29,713 8 0
Kistna	9,845 12 8	..	(*a*) 559 11 0	9,286 1 8	9,929 7 8	4,933 14 0	2 4 9	..	14,284 0 1
Nellore	1,287 9 9	..	..	1,287 9 9	136 3 8	..	0 0 7	..	1,423 14 0
Chingleput	766 2 8	..	..	766 2 8	..	..	..	..	766 2 8
Madras Port Funds (including General Administration)	1,27,397 5 7	..	..	1,27,397 5 7	39,885 11 5	39,885 11 5	7 13 9	47 0 0	1,27,358 3 4
South Arcot	11,054 8 0	..	..	11,054 8 0	7,826 12 10	5,177 1 0	2 2 8	..	13,706 6 6
Tanjore	29,116 9 9	..	..	29,116 9 9	14,005 3 5	14,771 3 3	4 2 7	..	28,354 12 6
Madura	8,117 8 4	..	..	8,117 8 4	1,802 5 9	1,591 11 0	0 15 8	..	8,329 2 9
Tinnevelly	1,47,897 7 5	..	(*a*) 9 9 0	1,47,887 14 5	13,272 14 11	40,459 5 3	3 7 5	..	1,20,704 15 6
Total ..	4,14,897 7 5	..	569 4 0	4,14,328 3 5	1,40,314 11 5	1,40,314 11 5	33 8 9	47 0 0	4,14,314 12 2
Malabar	83,866 4 8	..	..	83,866 4 8	45,632 6 4	51,337 0 3	10 12 11	..	78,172 7 8
South Canara	12,170 10 0	..	..	12,170 10 0	11,069 1 7	5,364 7 8	2 10 4	..	17,877 14 3
Total ..	96,036 14 8	..	..	96,036 14 8	56,701 7 11	56,701 7 11	13 7 3	..	96,050 5 11
Grand Total ..	5,10,934 6 1	..	569 4 0	5,10,365 2 1	1,97,016 3 4	1,97,016 3 4	47 0 0	47 0 0	5,10,365 2 1

Column 3. (*a*) Coasting steamers' dues subsequently refunded and deducted on both sides of the account.
Column 5. Distribution of coasting steamers' dues in proportion to the tonnage entering each district, Madras excepted.
Column 6. Do. of general receipts realized in Madras in proportion to the total tonnage entering each district.

APPENDIX C (vi-*b*).

PLUS and MINUS entries to be made in Port Fund Charges (Act X of 1889) for 1893–94 to arrive at the figures given in Appendix C (ii).

1	2	3		4	5		6		7
Districts.	Total charges as per monthly account sent to Accountant-General.	Other adjustments.		Net charges as per Appendix C (ii-*a*).	Adjustments on account of general charges.		Adjustments of Lighthouse charges.		Net charges as per Appendix C (ii).
		Add.	Deduct.		Add.	Deduct.	Add.	Deduct.	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	9,954 3 10	90 8 0	..	10,044 11 10	4,637 10 3	90 8 0	3,744 14 1	1,269 3 5	17,067 8 9
Vizagapatam	21,818 1 2	334 9 0	..	22,152 10 2	7,079 2 10	334 9 0	5,716 6 9	2,278 6 9	32,335 4 0
Gódávari	24,535 6 6	705 0 0	..	25,240 6 6	4,806 3 0	705 0 0	3,880 15 9	4,557 10 1	2,8664 15 2
Kistna	9,072 3 5	113 7 0	(*a*) 559 11 0	8,625 15 5	3,016 15 11	113 7 0	2,436 3 6	2,519 7 8	11,446 4 2
Nellore	2,520 7 4	54 0 0	..	2,574 7 4	45 13 10	54 0 0	37 0 7	2,421 15 6	181 6 3
Chingleput	5,601 13 11	..	..	5,601 13 11	..	..	..	5,601 13 11	..
Madras .. { Administration	61,702 6 8	..	(*b*) 61,702 6 8	..	..	..	..	..	..
Madras .. { Madras Port Funds	47,994 0 5	58,496 4 8	..	1,06,490 5 1	10,319 15 5	58,495 14 0	8,333 5 7	6,724 4 1	59,923 8 0
South Arcot	9,184 9 6	130 0 5	..	9,314 9 11	2,842 13 2	130 0 5	2,295 9 2	526 0 4	13,796 15 6
Tanjore	14,091 2 5	168 0 0	..	14,259 2 5	5,459 7 10	168 0 0	4,408 8 5	1,199 6 5	22,759 12 3
Madura	8,286 0 6	..	..	8,286 0 6	1,287 7 8	..	1,039 10 2	948 15 1	9,664 3 3
Tinnevelly	30,662 9 7	119 7 6	(*a*) 9 9 0	30,672 8 1	4,546 9 8	119 7 6	3,671 6 0	7,516 12 9	31,254 3 6
Total ..	2,45,323 1 3	60,211 4 7	62,271 10 8	2,43,262 11 2	44,042 3 7	60,210 13 11	35,564 0 0	35,564 0 0	2,27,094 0 10
Malabar	76,151 11 6	1,444 7 5	..	77,596 2 11	14,190 0 6	1,444 7 5	3,562 13 1	2,799 2 7	91,105 6 6
South Canara	11,658 4 6	46 10 8	..	11,704 15 2	3,469 11 11	46 10 8	871 2 11	1,634 13 5	14,364 5 11
Total ..	87,810 0 0	1,491 2 1	..	89,301 2 1	17,659 12 5	1,491 2 1	4,434 0 0	4,434 0 0	1,05,469 12 5
Grand Total ..	3,33,133 1 3	(*b*) 61,702 6 8	62,271 10 8	3,32,563 13 3	61,702 0 0	61,702 0 0	39,998 0 0	39,998 0 0	3,32,563 13 3

Column 3. (*a*) Refund of Coasting steamers dues deducted on both sides of the account.
(*b*) General charges as appeared in the District Port Fund accounts.
Column 5. Distribution of general charges according to total tonnage entering each district.
Column 6. Distribution of lighthouse charges according to tonnage of each district in each group.

APPENDIX D.

STATEMENT showing the number of officers and men employed otherwise than in Government vessels in the Port Department under the Government of Madras during the official year 1893–94.

Description of establishment.	Number of officers.	Number of men.	Total annual cost.	Total annual earnings.
1	2	3	4	5
Madras.			RS.	RS.
Port establishment	4	95	51,857	..
Lighthouse establishment	..	7	2,118	..
Divers' establishment	..	2	1,800	..
Marine Police establishment	..	..	4,792	..
Marine dispensary establishment	..	2	2,967	..
Pilotage, Madras	3	27	19,599	31,517
Coast Ports.				
Port Officers and Conservators	16	151	66,569	..
Lighthouses	..	90	19,978	..
Pilotage (Pámban and Kilakarai, Cochin and Mangalore)	2	42	6,119	11,689
Landing and Shipping dues (Cocanada, Vizagapatam, Masulipatam, Negapatam and Mangalore)	..	54	9,861	71,949

APPENDIX E.

STATEMENT showing the various Government vessels, &c., under the Madras Government in the year 1893–94.

Details of vessels.	Tonnage of each vessel and horse-power of engine if a steamer.	Number of officers.	Number of men.	Total annual cost.	Total annual earnings.	Remarks.
1	2	3	4	5	6	7
River-going Vessels.				RS.	RS.	
Steam Dredge "Priestman's"	..	1	10	5,132	..	
Do. "Connemara"	..	..	11	3,932	..	
Steam Launch "Empress"	6½ tons ..	..	1	396	..	
Steam Tug "Gódávari"	40 tons, eighty-horse power.	..	9	1,573	50 0 0*	* Let out for hire.
Steam Dredge (at Cuddalore)	12 tons, 6 horse power.	1	5	2,015	..	
Steam Dredge "Wenlock"	407 tons, 45 horse power.	2	25	32,420	..	

APPENDIX F.

STATEMENT showing the changes of Masters endorsed on registers of vessels, &c., under Act X of 1841 and the Merchant Shipping Act from 1st April 1893 to 31st March 1894 in the various districts of the Madras Presidency.

District.	Number of vessels on the registers of which changes of Masters have been endorsed.	Amount of fees.	Remarks.
		RS.	
Madras	6	12	
Ganjám	..	..	
Vizagapatam	..	..	
Gódávari	8	16	
Kistna	7	14	
Nellore	..	..	
Chingleput	..	..	
South Arcot	2	4	
Tanjore	43	86	
Madura	29	58	
Tinnevelly	15	30	
Malabar	9	18	
South Canara	60	120	
Total of 1893–94	179	358	
„ of 1892–93	134	268	
Increase	45	90	

APPENDIX G.

STATEMENT showing the number, &c., of vessels registered under Act X of 1841 from 1st April 1893 to 31st March 1894 in the various districts of the Madras Presidency.

Districts.	Total number of vessels.	Total tonnage.	Total amount of fees.
			RS. A. P.
Madras	5	* 636	55 12 0
Ganjám	..	..	..
Vizagapatam	..	..	..
Gódávari	7	1,549	193 10 0
Kistna	7	404	59 12 0
Nellore	..	..	..
Chingleput	..	..	..
South Arcot	7	579	96 14 0
Tanjore	13	1,154	155 12 0
Madura	11	524	78 10 0
Tinnevelly	10	677	102 6 0
Malabar	29	1,282	230 12 0
South Canara	34	804	203 0 0
Total for 1893–94	123	7,609	1,176 8 0
„ for 1892–93	104	7,272	1,144 15 0
Increase	19	337	31 9 0

* One vessel of 190·75 tons was registered *de novo* as her register was more than 10 years old. No difference in tonnage being found on re-measurement, no fee was charged in accordance with G.O., No. 244, Marine, dated 3rd July 1876.

APPENDIX H.

PARTICULARS of changes in the Gazetted Official Staff of the Madras Port Department by absence on leave, deputation, &c., in the official year 1893-94.

Name.	Designation.	Cause and period of absence.	Acting arrangements.
Commander W. J. Powell, R.I.M.	Presidency Port Officer.	Medical leave to Europe for 10 months and 23 days from 17th May 1893 to 10th April 1894.	Commander C. W. Hewett, R.I.M., Acting Deputy Conservator of the Port of Madras, officiated from the 17th May 1893 to the 2nd June 1893, and Commander H. A. Street, R.I.M., from the 3rd June 1893 to 10th April 1894.
Commander C. W. Hewett, R.I.M.	Acting Deputy Conservator of the Port of Madras.	On other duty, *i.e.*, acting as Presidency Port Officer from 17th May 1893 to 2nd June 1893, and furlough to Europe for 1 year commencing from the 25th June 1893.	Mr. H. D. Baddeley, Agent for Government Consignments, acted from 17th May to 2nd June 1823 and from 28th June to 25th August 1893, on which latter date Commander H. B. Simpson, R.I.M., the permanent incumbent, returned to duty.
Commander H. B. Simpson, R.I.M.	Deputy Conservator of the Port of Madras.	One year's furlough to Europe granted on 28th May of the previous year and extended to 25th August 1893.	Commander C. W. Hewett, R.I.M. *vide* Appendix H of the previous year's report) continued to act up to 27th June 1893, and Mr. H. D. Baddeley, Agent for Government Consignments, acted from 28th June to 25th August 1893. His office Manager was in charge.
Mr. H. D. Baddeley ..	Agent for Government Consignments and Personal Assistant to the Presidency Port Officer.	On other duty, *i.e.*, acting as Deputy Conservator of the Port of Madras from 17th May to 2nd June 1893. On special duty to Calcutta from 13th to 24th June 1893. On other duty, *i.e.*, acting as Deputy Conservator of the Port of Madras from 28th June 1893 to 25th August 1893.	Reserve Port Officer, Mr. G. Leverett, acted from 15th June 1893. Reserve Port Officer, Mr. G. Leverett, acted from 28th June to 16th August 1893, and the Manager, Office of Agent for Government Consignments, was in charge from 17th to 25th August 1893. His office Manager was in charge.
Mr. G. W. Wicks ..	Port Officer, Coonnada.	Nine days' privilege leave from 4th to 12th January 1894. Privilege leave for 1 month and 20 days from 19th April to 8th June 1893.	Reserve Port Officer, Mr. G. Leverett, acted from 19th April to 30th April 1893 and from 22nd May to 8th June 1893, and Head-quarters Deputy Collector of Godávari was in charge from 1st to 21st May 1893.
Mr. C. S. Johnson ..	Port Officer, Pámban.	Leave out of India on medical certificate for 1 year from the 28th December 1893.	Superintendent of Sea Customs of Pámban was in charge from 28th December 1893 to 9th February 1894 and from 23rd March 1894 to the end of the official year, and Reserve Port Officer, Mr. F. Ieeley, acted from 10th February to 22nd March 1894.
Mr. T. H. Baker ..	Port Officer, Tuticorin.	On deputation to Calcutta to bring the pearl fishery vessels, from 1st December 1893 to 16th January 1894.	Superintendent of Sea Customs, Tuticorin, was in charge.
Mr. F. Ieeley ..	Reserve Port Officer ..	On deputation to Calcutta to bring the pearl fishery vessels from 9th December 1893 to 16th January 1894. Also acted as Port Officer, Pámban, from 10th February to 22nd March 1894.	

APPENDIX I.

STATEMENT of passengers sailed from the undermentioned ports in the Madras Presidency during the official year 1893-94.

Names of Ports.	Ports bound to: Ports within the Presidency. Adults. Males.	Females.	Children under 12.	Total.	Ports beyond the Presidency but within British India. Adults. Males.	Females.	Children under 12.	Total.	Ports in Burma. Adults. Males.	Females.	Children under 12.	Total.	Ports in Ceylon. Adults. Males.	Females.	Children under 12.	Total.	Ports in Straits Settlements. Adults. Males.	Females.	Children under 12.	Total.	Other Ports. Adults. Males.	Females.	Children under 12.	Total.	Grand Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Gopalpur	443	44	31	518	476	163	108	747	1,495	10	74	1,579	..	..	..	..	..	..	..	..	..	..	..	..	2,844
Calingapatam ..	103	16	15	134	42	11	7	60	3,852	89	349	4,290	..	..	..	..	..	..	..	..	..	..	..	..	4,484
Báruva	2	..	..	2	..	..	..	..	3,914	27	170	4,111	..	..	..	..	..	..	..	..	..	..	..	..	4,113
Bimlipatam ..	321	36	16	373	88	9	8	105	3,441	153	108	3,702	..	..	..	..	..	..	..	..	..	..	..	..	4,180
Vizagapatam ..	374	28	14	416	94	13	15	122	4,091	226	216	4,533	..	..	..	..	..	..	..	..	..	..	..	..	5,071
Cocanada	341	73	27	441	20	3	2	25	9,672	315	340	10,327	..	..	..	..	..	..	..	..	13	2	6	21	10,814
Masulipatam ..	357	80	40	477	2	1	..	3	271	46	31	348	..	..	..	..	..	..	..	..	..	..	..	..	828
Cuddalore	..	2	2	4	..	..	..	..	93	9	16	118	..	..	..	..	..	..	..	..	..	..	..	..	122
Porto Novo ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	389	21	..	410	..	..	..	..	410
Negapatam ..	134	26	26	186	..	..	..	..	13,483	1,405	1,411	16,299	870	86	53	1,009	12,845	1,296	1,071	*15,212	60	16	7	83	32,789
Tranquebar ..	6	8	2	16	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	176	23	58	257	274
Tópputturai ..	4	..	..	4	..	..	..	..	..	..	..	..	2,499	394	54	2,947	..	..	..	..	..	..	..	..	2,951
Muttupet	11	2	..	13	..	..	..	..	..	..	..	..	95	3	..	98	..	..	..	..	..	..	..	..	111
Adirámpatnam ..	16	12	4	32	..	..	..	..	..	..	..	..	145	5	2	152	..	..	..	..	..	..	..	..	184
Ammápatnam ..	26	2	..	28	..	..	..	..	..	..	..	..	21	1	..	22	..	..	..	..	..	..	..	..	50
Kottapatnam ..	..	..	..	..	..	..	..	..	..	..	..	..	43	11	3	57	..	..	..	..	..	..	..	..	57
Pámban	13,140	5,748	9½	18,897½	..	..	..	..	..	..	..	..	21,832	6,843	1,280½	29,955½	..	..	..	..	..	..	..	..	48,853
Kilakarai	511	103	13	627	..	..	..	..	..	..	..	..	140	5	16	161	..	..	..	..	..	..	..	..	788
Devipatam ..	7,874	4,203	260	12,337	..	..	..	..	..	..	..	..	188	20	8	216	..	..	..	..	..	..	..	..	12,553
Tondi	314	4	2	320	..	..	..	..	..	..	..	..	6,766	1,674	670	9,110	..	..	..	..	..	..	..	..	9,430
Tuticorin	531	24	8	563	5	..	..	5	..	..	..	..	26,561	3,939	3,158	33,658	..	..	..	..	..	..	..	..	34,226
Kulasékarapatnam.	64	19	4	87	..	..	..	..	..	..	..	..	689	63	163	915	..	..	..	..	..	..	..	..	1,002
Káyalpatnam ..	25	7	2	34	..	..	..	..	..	..	..	..	7	..	2	9	..	..	..	..	..	..	..	..	43
Cochin	127	12	1	140	32	3	..	35	3	..	..	3	8	..	..	8	..	..	..	..	23	1	5	29	215
Calicut	910	84	43	1,037	209	29	12	250	..	..	..	..	14	2	..	16	..	..	..	..	33	1	2	36	1,339
Badagara	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Kallai	12	14	3	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29
Tellicherrry ..	431	46	11	488	34	4	4	42	..	..	..	..	5	3	2	10	..	..	..	..	..	..	..	..	540
Cannanore	499	103	61	663	47	10	3	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	723
Mangalore ..	3,802	923	251	4,976	2,657	655	294	3,606	..	..	..	..	2	..	..	2	..	..	..	..	511	125	70	706	9,290
Kasaragod ..	910	196	53	1,159	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,159
Malpe	1,841	607	405	2,853	1,272	313	161	1,746	..	..	..	..	..	..	..	..	..	..	..	..	516	195	109	820	5,419
Bárkúr	10	..	..	10	26	3	4	27	..	..	..	..	..	..	..	..	..	..	..	..	7	1	..	8	45
Coondapoor ..	1,158	201	135	1,494	1,103	255	85	1,443	..	..	..	..	..	..	..	..	..	..	..	..	163	28	17	208	3,145
Baindoor	25	..	..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
Madras	544	97	50	691	1,007	123	29	1,159	4,126	1,209	477	5,812	68	36	5	109	150	28	7	185	1,810	634	380	2,830	10,786
Total ..	34,867	12,720	1,488½	49,075½	7,109	1,595	732	9,436	44,441	3,489	3,192	51,122	59,954	13,085	5,416½	78,455½	13,384	1,345	1,078	15,807	3,318	1,025	654	4,998	208,894

* Including emigrants 1,746 adults and 91 children.

Grand Total ..	1892-93 ..	264,406
	1893-94 ..	208,894
	Decrease ..	55,512

APPENDIX I—*cont.*

STATEMENT of passengers arrived at the undermentioned ports in the Madras Presidency during the official year 1893–94.

Names of Ports.	Ports arrived from	Ports within the Presidency.				Ports beyond the Presidency but within British India.				Ports in Burma.				Grand Total.
		Adults.		Children under 12.	Total.	Adults.		Children under 12.	Total.	Adults.		Children under 12.	Total.	
		Males.	Females.			Males.	Females.			Males.	Females.			
1	2	3	4	5	6	7	8	9	10	11	12	13		
Gopalpur ..	..	603	85	61	749	313	26	23	362	448	3	5	456	1,567
Calingapatam ..	..	114	9	8	131	159	14	8	181	4,882	58	130	5,070	5,382
Bávuva ..	..	68	4	2	64	..	..	..	..	1,063	17	24	1,104	1,168
Bimlipatam ..	..	237	46	31	314	99	13	15	127	2,459	122	107	2,688	3,134
Vizagapatam ..	..	710	31	27	768	174	21	6	201	5,424	68	83	5,575	6,544
Cocanada ..	..	599	104	50	753	126	14	6	146	7,366	280	197	7,833	8,732
Masulipatam ..	..	369	102	24	495	5	2	..	7	213	28	16	257	769
Nizampatam ..	..	..	..	..	..	..	..	..	..	..	1	..	1	1
Cuddalore ..	..	.. 6	..	..	.. 6	..	..	..	..	..	..	..	..	6
Porto Novo ..	..	..	.. 9	.. 1	.. 254	.. 2	..	.. 2	.. 11,032	.. 656	..	.. 731	12,419	211
Negapatam ..	..	.. 244	.. 4	.. 1	.. 7	..	..	..	..	..	..	..	..	27,107
Tirumulavásal ..	..	4	2	1	7	..	..	..	..	..	..	..	..	12
Topputturai ..	..	20	20	6	46	..	..	..	..	..	..	..	..	2,397
Muttupet ..	..	9	..	..	9	..	..	..	..	..	..	..	..	350
Adirámpatnam ..	..	14	..	..	14	..	..	..	..	..	..	..	..	397
Ammápatnam ..	..	39	.. 6	..	45	..	..	..	..	..	..	..	..	227
Kottapatnam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
Pamban ..	..	8,921	4,883	17	13,821	..	..	..	..	18,806	4,073	598	23,477	37,298
Kilakarai ..	..	2,935	1,610	24	4,569	..	..	..	..	..	..	..	..	4,775
Devipatnam ..	..	6,773	3,474	196	10,443	..	..	..	..	..	..	..	..	10,522
Tondi ..	..	278	2	2	282	..	..	..	..	9,409	1,313	414	11,136	11,448
Tuticorin ..	..	2,654	121	64	2,859	18	..	2	20	..	..	..	..	47,256
Kulasékarapatnam ..	..	164	62	58	284	..	..	..	..	..	..	..	..	972
Káyalpatnam ..	..	14	..	..	14	..	..	..	..	..	..	..	..	35
Cochin ..	..	129	11	3	143	85	20	..	105	4	..	..	4	310
Calicut ..	..	1,075	189	74	1,288	145	20	10	175	..	..	..	..	2,479
Badagara ..	..	69	2	2	73	..	..	..	..	..	..	..	..	73
Kallai ..	..	8	..	..	8	..	..	..	..	..	..	..	..	8
Tellicherry ..	..	493	70	22	585	65	6	..	71	..	..	..	..	667
Cannanore ..	..	337	65	11	413	111	19	8	138	..	..	..	..	551
Mangalore ..	..	4,004	822	376	5,202	2,104	447	274	2,825	..	..	..	..	9,850
Kasaragod ..	..	827	179	70	1,076	7	..	..	7	..	..	..	..	1,083
Kumbla ..	..	1	1	..	2	..	..	..	..	..	..	..	..	2
Malpe ..	..	2,061	836	501	3,398	1,618	484	259	2,361	..	..	..	..	6,754
Mulki ..	..	4	..	..	4	..	..	..	..	..	..	..	..	4
Bárkúr ..	..	..	..	..	..	18	..	..	18	..	..	..	..	60
Coondapoor ..	..	1,211	245	212	1,668	1,094	246	93	1,433	..	..	..	..	3,379
Baindoor ..	..	1	..	..	1	..	..	..	..	..	..	..	..	1
Madras ..	..	1,181	224	107	1,512	1,263	217	71	1,571	2,167	244	148	2,559	8,201
Total ..		36,200	13,164	1,950	51,314	7,426	1,549	775	9,750	63,263	6,863	2,458	72,579	203,807
Grand Total { 1892–93													..	207,202
1893–94													..	203,807
Decrease ..													..	3,395

APPENDIX J.

STATEMENT showing the particulars of dredging operations at the Port of Cocanada for the official year 1893–94, including the figures of the previous two years.

Particulars.	Previous two years.		1893–94.
	1891–92.	1892–93.	
Priestman's Dredger.			
(*a*) Days working	212	67	172
(*b*) Hours dredging	1,898	421	1,538
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	526 of 59⅜ and 497½ of 29 7/10 tons.	142 of 59⅜ and 230 of 29 7/10 tons.	621 of 59⅜ and 491 of 29 7/11 tons.
(*d*) Tons dredged	46,019 3/10	15,265·8	51,469
(*e*) Cubic yards dredged	34,089	11,308	38,126
(*f*) Average outturn per day	217·17	227·8	299
(*g*) Working expenses per ton	As. 1–11	As. 4–6½	As. 1–5
Dredger "Connemara."			
(*a*) Days working	223	132	189
(*b*) Hours dredging	1,965	1,165	1,669
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	523 of 59⅜ and 457 of 29 7/10 tons.	238 of 59⅜ and 490 of 29 7/10 tons.	636 of 59⅜ and 495½ of 29 7/10 tons.
(*d*) Tons dredged	44,638 9/10	28,719	52,524
(*e*) Cubic yards dredged	33,066	21,274	38,907
(*f*) Average outturn per day	200·1	217·5	277·9
(*g*) Working expenses per ton	As. 1–9	As. 2–1	As. 1–1

APPENDIX J (i).

STATEMENT showing the particulars of dredging operations at the Port of Cuddalore for the official year 1893–94 including the figures of the previous two years.

Particulars.	Previous two years.		1893–94.
	1891–92.	1892–93.	
(*a*) Days working	119	120	148
(*b*) Hours dredging	884	707	888
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	1,696¾ of 4 tons each.	1,877 of 4 tons each.	2,413¾ of 4 tons each.
(*d*) Tons dredged	6,787	7,508	9,655
(*e*) Cubic yards dredged	5,029	5,565	7,152
(*f*) Average outturn per day	57	45	43
(*g*) Working expenses per ton	As. 2–6	As. 4–6	As. 1–7

APPENDIX K.

PARTICULARS of Seamen shipped and discharged at ports in the Madras Presidency under the various Merchant Shipping Acts in the official year 1893–94.

Name of Port.	Europeans.		Asiatics.		Total.	
	Shipped.	Discharged.	Shipped.	Discharged.	Shipped.	Discharged.
Cocanada	..	..	48	63	48	63
Madras	11	3	199	777	210	780
Porto Novo	..	..	71	75	71	75
Negapatam	1	1	349	302	350	303
Tuticorin	..	1	..	..	..	1
Cochin	..	4	24	9	24	13
Tellicherry	..	1	..	..	..	1
Total of year under report ..	12	10	691	1,226	703	1,236
Total of previous year ..	17	60	651	1,132	668	1,192
Increase ..	..	..	40	94	35	44
Decrease ..	5	50	..	..	..	..

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APPENDIX L.

STATEMENT showing the number of cargo and other licensed boats at the principal ports in the Madras Presidency at the end of the official year 1893–94.

Name of Ports.	Number of boats serviceable.	Number of boats unserviceable.	Total.
Gopalpur	82	3	85
Calingapatam	97	18	115
Vizagapatam	154	31	185
Bimlipatam	61	96	157
Cocanada	282	6	288
Masulipatam	38	15	53
Cuddalore	108	49	157
Porto Novo	44	7	51
Negapatam	151	39	190
Pámban	94	16	110
Tuticorin	60	3	63
Cochin	113	61	174
Calicut and Beypore	131	21	152
Tellicherry	53	..	53
Cannanore	61	10	71
Mangalore	73	31	104
Total of 1893–94 ..	1,602	406	2,008
,, of 1892–93 ..	1,546	337	1,883
Increase ..	56	69	125
Decrease ..	..	..	..

ADMINISTRATION REPORT of the Office of Agent for Government Consignments, Madras, for the official year 1893–94.

Mr. H. D. Baddeley, Agent for Government Consignments, was on deputation from 17th May to 2nd June 1893 and from 28th June to 25th August 1893.

Mr. G. Leverett, Reserve Port Officer, acted as Agent for Government Consignments from 28th June to 16th August 1893.

Compared with the previous year the quantities of stores dealt with by the Government Consignments Agency have been as follows:—

Landed.

	No. of Packages.	Tons.
1892–93	79,846	5,775
1893–94	56,607	5,077⅓
—	23,239	698⅓

Shipped.

	No. of Packages.	Tons.
1892–93	24,248	2,246⅓
1893–94	29,753	2,353
+	5,505	106⅓

The contractor's rates for landing and removal of stores were slightly lower than the previous year.

The cost of shipping stores exclusive of establishment was precisely the same as last year, viz., As. 14–11 per ton.

The cost of landing averaged As. 14–9 per ton.

The cost of removal including cart-hire was about As. 4–6 per ton.

The following amounts have been recovered on account of stores damaged and lost:—

Rupees 1,699–7–2 from the Steamer Agents.
,, 203–2–7 ,, Landing Contractor.

Losses on account of which responsibility could not be legally fixed on either the Steamer Agents or the Landing Contractor have been as follows:—

	Rs.	A.	P.
One case Ordnance stores ex. S.S. *Coromandel* lost overboard in October 1892, value	698	7	0
Damage to clothing bales ex. S.S. *Rewa*	548	8	6

Appended are two statements showing the quantities of stores landed and shipped during the past three official years:—

Appendix A. Imports.
Appendix B. Exports.

(Signed) H. D. BADDELEY,
Agent for Government Consignments.

MADRAS,
10*th August* 1894.

APPENDIX A.

STATEMENT showing the quantities of Government stores landed during the past three years.

Description.	1891-92.		1892-93.		1893-94.	
	Packages.	Tons.	Packages.	Tons.	Packages.	Tons.
Civil—						
Stamp	2,047	259	1,121	138	2,131	269
Stationery	613	175	1,157	283	1,105	297
Telegraph	38,724	1,300	24,034	921	9,237	506
Police	134	67	168	22	204	44
Press	161	13	152	9	81	11
Prisons	..	..	16	9	6	1
Salt	256	36	143	32	109	24
Survey	..	..	207	8	20	2
Forest	3,178	103	27	13	2	½
Post Office	1,135	99	857	67	780	73
Treasury—						
Copper	5,100	..	1,010	..	835	..
Silver	403	..	282	..	458	..
Paper Currency	32	6	18	..	30	6
Military—						
Clothing	1,981	475	2,324	533	2,146	490
Medical	1,781	542	980	507	1,900	627
Ordnance	15,945	1,006	31,926	1,634	22,857	1,404
Commissariat	5,074	463	6,560	538	2,314	513
Regimental necessaries	261	45	342	57	721	106
Harbour Works	5,735	1,075	..	..	..	..
Port Stores	460	42	515	72	58	8
Public Works Department	19,335	878	6,392	746	10,172	548
Secretariat	51	4	79	8	85	6
Government Gardens	274	39	313	35	122	16
Miscellaneous	1,247	173	1,223	143	1,213	126
Total ..	103,927	6,800	79,846	5,775	56,607	5,077½

APPENDIX B.

STATEMENT showing the quantities of Government stores shipped during the past three years.

Description.	1891-92.		1892-93.		1893-94.	
	Packages.	Tons.	Packages.	Tons.	Packages.	Tons.
Civil—						
Stamp	220	23	228	24	233	25
Stationery	691	116	780	140	654	118
Telegraph	8,839	1,359	4,336	123	4,953	123
Police	861	66	977	68	926	58
Press	512	51	513	42	478	39
Prisons	68	8	201	23	103	4
Salt	583	41	723	25	732	34
Survey	..	..	458	32	236	20
Forest	34	9	33	4	1	..
Post Office	9	2	1	½	2	1
Treasury—						
Copper	1,001	50	262	..	163	8
Silver	411	..	45	..	95	..
Paper Currency	6	..	14	..	8	..
Military—						
Clothing	1,312	164	1,066	164	924	128
Medical	1,363	180	1,614	239	2,159	325
Ordnance	8,656	828	5,677	707	9,222	834
Commissariat	7,885	814	6,204	581	5,365	556
Regimental Necessaries	37	5	..	..	..	..
Harbour Works	..	..	..	..	..	..
Port Stores	398	37	352	28	37	5
Public Works Department ..	1,815	43	488	22	3,168	54
Secretariat	..	..	..	..	..	..
Government Gardens	24	3	3	..	11	1
Miscellaneous	502	84	273	24	283	20
Total ..	35,227	3,883	24,248	2,246½	29,753	2,353

ADMINISTRATION REPORT of the Deputy Conservator of the Port of Madras for the year 1893-94.

The number and tonnage of vessels entering and leaving the port of Madras during the year is shown in the following statement, and shows an increase over the preceding year, both in numbers and tonnage, the tonnage also being greater than in any former year:—

Vessels entered.

	1892-93.		1893-94.	
	No.	Tonnage.	No.	Tonnage.
Steam ships, Mercantile	629	1,110,987	659	1,221,256
Sailing „ „	8	9,570	*8	12,238
„ native craft	74	6,724	67	7,483
Men-of-war Government ships and transports	20	28,952	18	14,224
	731	1,156,233	†752	1,255,201
		Increase ..	21	98,968

Vessels left.

	No.	Tonnage.
Steam ships, Mercantile	658	1,217,479
Sailing „ „	8	12,238
„ native craft	62	6,457
Men-of-war, &c.	19	14,563
	747	1,250,737

Of the above vessels, 276 were foreign-going and 385 coasting; 8 steam vessels did not enter the harbour.

The revenue amounted to Rs. 1,47,958 against Rs. 1,29,172 for 1892-93, and was obtained from the following sources:—

	RS.
Port funds	1,13,385
Salvage	315
Divers' services	487
Hire of port raft	695
Boat licenses	628
Shipping office fees and fines	1,014
Office fees for overtime	2,177
	1,18,701
Pilotage and boat charges connected	29,257
Total ..	1,47,958

Artificial Harbour.—Shipping operations have been carried on during the whole of the year with the exception of two days, the 5th and 6th of November 1893, on which dates a cyclone of moderate force, and of which no warning had been received, visited the coast.

The sea on this occasion inside the harbour was comparatively smooth, catamarans and boats making their way about without much difficulty, only one vessel was in the harbour at the time, S.S. "Camorta," which proceeded to sea, but could have remained inside the harbour with safety, a few of the cargo-lighters were driven on the beach.

An examination of the bottom of the harbour was made in September by order of the Harbour Trust Board, and the depths on the south side of the harbour were found to be somewhat less than in 1889.

* NOTE.—6 sailing vessels of 8,437 called for orders only.

† Including { 32 German. 25 Austro-Hungarian. 23 French. 1 American. 2 Norwegian.

Total, Foreign .. 83

Accretion of sand still continues outside the south arm.

A good number of vessels loaded with coal now arrive at the port, and as they take some time to discharge, they occupy berths for a long time, and in this way tend to reduce the number of the available berths for vessels in other trades, but hitherto the harbour has been equal to the requirements, on two occasions only during the year have vessels had to wait for accommodation, native vessels continue to avail themselves of the advantages of the harbour.

The smoothness of the water inside the harbour is almost all that can be desired during the greater portion of the year.

Weather.—The weather has been fine throughout the year, with the exception of three days in November, when a heavy sea prevailed during the cyclone. The warning signals were hoisted twice during the year, on the 11th October and 3rd—6th November.

Accidents and Casualties.—Twenty-six lighters were driven ashore and more or less damaged, one being sunk, and 14 Masulah boats were damaged on the 6th of November by the sea, the lighters being driven ashore most probably by not having sufficient scope of chain out.

One lighter was sunk on the 12th October by a sling of bars of railway iron making a hole in the bottom. Two ships dragged their anchors (stockless ones) two vessels' cables parted and one wire sternfast also parted, one vessel, the S.S. "Elax" touched the ground when being swung into the oil moorings, and one vessel was brought into harbour with her shaft broken.

One man was fatally injured by a sling of cargo falling on him in a lighter alongside the S.S. "Clan Maclean" and died in hospital shortly after being admitted.

A fire occurred on the 27th July in one of the heaps of coal north of the iron pier, but was got under, the port fire-engine assisting to subdue it.

Moorings.—All the moorings have been examined and put in order, new pieces of chain having been put into the moorings of Nos. 1 and 2 buoys. The moorings for the oil vessels have been re-laid, four vessels have used them during the year.

The northern entrance buoy was shifted out on account of the extension of the northern arm beyond its former position.

Boats.—The steam launch indented for on Kiddapore Government Dockyard has not yet been delivered, and the Harbour Masters have had to get through the north-east monsoon as in former years. All the boats on the Port and Pilotage establishment are in good order.

Port Raft.—This method of landing heavy weights is still much used, the raft having been in requisition 47 times, 25 logs were purchased in lieu of others condemned as unserviceable.

Cargo Boats.—The number of lighters on the register is 67, 11 less than last year, Masulah boats have decreased by 3 to 106; the number of water boats has increased to 8 and jolly boats to 25.

A large number of vessels now take water at the port, a better supply at the iron pier head should be provided.

Time Signal.—There were only 8 failures during the year, which is a great improvement on former years.

Life-saving Apparatus.—Quarterly practice has been carried on during the year.

Temporary Pier.—A temporary pier was erected on the south side of the Harbour from the southern arm out of the material used for the port raft, &c., and on two occasions horses were walked ashore, the owners of the horses expressed themselves much pleased with the method, as compared with landing them in Masulah boats. The first attempt to land by means of a floating stage was a failure, the pontoon supporting the centre of the stage not being sufficiently steady.

Though the season of the year was not the most favorable for vessels being taken to a pier at the south side, they lay very steady on each occasion.

Leave.—Commander H. B. Simpson returned from leave on the 26th August and took over charge from Mr. H. D. Baddeley who had acted as Deputy Conservator since the departure of Commander C. W. Hewett on 28th June.

Sunday Work.—The Deputy Conservator's Office was opened on 31 Sundays during the year.

Offices.—The Office of the Deputy Conservator was moved on the 7th March to the old High Court buildings which makes a more convenient office than the former one.

Harbour Masters.—A Boatswain has been added to the Harbour Master's staff to assist the Senior Harbour Master in the superintendence of the buoys and moorings.

One thousand four hundred and sixty-four vessels have been taken out and in the Harbour by the Harbour Masters and the Harbour Syrang.

The S.S. "Elax" touched the ground when swinging to the oil moorings while in charge of Mr. Evans.

The accommodation for the Harbour Masters' boatmen under the Harbour Master's Office has proved a great convenience, no complaints having been made against any of the boatmen for nearly two years of being absent when required or anything else, and is evidently owing to

the fact that they have ample accommodation for taking their meals and other comforts in their new quarters. The services of Mr. Evans and the Boatswain were lent to the Board of Revenue to assist in navigating the Pearl-fishery vessels.

Port Diver.—The Port Diver is still in much request, scarcely a vessel with general cargo enters the Harbour without requiring his services a few hours after mooring, his services have also been called for at the outports during the year, viz., Porto Novo and Cocanada.

Shipping Office.—The number of native seamen engaged at the port shows a considerable increase on last year's figures:—

		NO.
European seamen engaged	11	12
" " discharged	1	
" " sent to jail	1	
" " " hospital	1	
Native seamen engaged	199	974
" " discharged	775	
" " sent to jail	1	
" " " to hospital	1	
Distressed seamen sent Home	5	

The fees and fines collected amounted to Rs. 1,014.

The periodical returns have been forwarded to the Board of Trade and Government of Madras.

(Signed) H. B. SIMPSON,
Commander, R. I. M.,
Deputy Port Conservator, Madras.

MADRAS,
12th April 1894.

ORDER—dated 6th November 1894, No. 426, Marine.

With his letter, dated 15th October 1894, No. 1725–371 G., the Presidency Port Officer submits the Administration Report of the Madras Port Department for the year 1893–94, which also contains the reports of the Agent for Government Consignments and the Deputy Conservator of the Port of Madras.

2. The official staff of the department underwent several changes consequent on the retirement of Messrs. Winckler and Gillham, and the loss, by death, of Mr. Hearsey. A brief account of the orders issued and action taken under various Marine Acts is given at the beginning of the report.

3. The number of shipping casualties fell from 18 in 1892–93 to 16, the most important being the stranding of the S.S. *Ratho* about five miles south-west of the Sacramento Shoal. She was fortunately floated without any apparent damage. This and subsequent strandings in the vicinity have led to orders being issued for the removal of the Hope Island light from its present position to another site at Thirthalmundi from which it can more effectively guard the whole of the shoal. It is satisfactory that no lives were lost by wrecks during the year.

4. The following statement, taken from the figures given on page 21 of the report, contrasts the number and tonnage of the several classes of vessels which entered the ports of the Presidency, together with the amount of dues paid by them during the year, with those for the two preceding years:—

—	Number of vessels.	Tonnage.	Dues paid.
			RS.
Madras.			
1891–92	815	1,209,800	116,922
1892–93	707	1,125,778	100,626
1893–94	724	1,233,735	113,386
All other Ports.			
1891–92	23,636	5,845,892	213,728
1892–93	25,025	5,987,491	219,144
1893–94	24,109	6,142,638	223,594

Compared with 1892–93, there was a small increase under all heads at Madras. As regards the coast ports, though the number of vessels fell by 916, there was a perceptible rise in the amounts of tonnage and dues.

5. The value of the trade of the port of Madras and the duty levied on it during the year are shown below and compared with the figures for the two preceding years :—

Port of Madras.	Tonnage.	Value of			Duty on		
		Imports.	Exports.	Total.	Imports.	Exports.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1891–92	1,209,800	69,093,642	44,142,806	11,32,36,448	11,45,575	183	11,45,758
1892–93	1,125,778	59,314,809	51,018,461	11,03,33,270	11,08,308	14,541	11,22,849
1893–94	1,233,735	64,978,552	57,653,455	12,26,32,007	10,73,662	9,741	10,83,403

The trade of the port and its value shows a decided advance, but the duty realized was considerably less than in 1892–93.

6. A reference to the statement on page 4 of the report shows that at coast ports there was a marked increase in the tonnage and the amount of duty paid. The value of the trade, however, declined owing to a large falling off in exports. The value of imports was slightly higher than in 1892–93. Tuticorin, as usual, had the largest trade. The remaining ports retained their customary order, as in the previous year, with the notable exception that Mangalore superseded Tellicherry, the value of its trade being Rs. 1,62,44,321 against Rs. 1,19,82,722.

7. As in previous years, the bulk of the passenger traffic was carried on at Pámban, Tuticorin and Negapatam. The figures were—

	Passengers sailed.	Passengers arrived.
Pámban	48,853	37,298
Tuticorin	34,226	47,256
Negapatam	32,789	27,167

8. The number of vessels registered under Act X of 1841 rose from 104 to 123. The figures for the last three years are as shown below :—

	No. of vessels.	Tonnage.	Fees.
			Rs.
1891–92	100	4,450	1,006
1892–93	104	7,272	1,145
1893–94	123	7,609	1,176

9. The Government is pleased to observe from that portion of the report which relates to "Accounts," that the district port funds in each case closed the year's transactions with a surplus. This is a distinct improvement in many cases. Ganjám had Rs. 2,847 in hand towards its annual payment of Rs. 7,576 as interest on its loan from Madras. The Presidency Port Officer's recommendation that Tinnevelly's large cash balance should be allowed to stand in view to meeting charges on account of the new pier at Tuticorin is approved.

10. No contribution was made by the Madras port fund to the Harbour Trust Board, but the accounts show that a large sum was available at the end of the year for transfer in accordance with G.O., dated 1st April 1893, No. 340-A. The general financial position at the beginning and end of the past official year is exhibited in the following statement :—

—	Coast Ports, Eastern Group.	Coast Ports, Western Group.	Madras.	Grand total.
	Rs.	Rs.	Rs.	Rs.
Opening balance	84,526	2,85,394	2,85,607	6,55,527
Closing ,, ...	1,42,000	3,25,474	3,75,262	8,42,736

11. The financial operations under Act III of 1885 at the ports at which it was in force were satisfactory. The opening and closing balances of the several funds are shown below :—

	Opening balance.	Closing balance.
	Rs.	Rs.
Negapatam	33,701	40,668
Cocanada	18,439	52,798
Mangalore	5,929	13,520
Vizagapatam	4,941	10,578
Masulipatam	2,717	5,956

12. *Pilotage Funds.*—In accordance with G.O., dated 13th February 1894, No. 52, securities of the nominal value of Rs. 50,000 were retained to the credit of the Madras pilotage fund, and the balance of its securities and cash was transferred to the Madras port fund. Owing to the purchase of a steam cutter for the harbour-masters, the pilotage fund closed the year with a small cash deficit of Rs. 2,432, which sum will, as suggested by the Presidency Port Officer, be refunded by the port fund under orders in the Financial Department.

The large deficit in the Pámban pilotage fund was due to expenditure on the dredger *Wenlock*. This matter will be brought to the notice of the Financial Department with reference to paragraph 8 of G.O., dated 13th March 1893, No. 259; and the other financial matters enumerated at pages 7 and 8 of the report will also be dealt with in that department.

13. The report of the Deputy Conservator of the Port of Madras is identical with that submitted with the administration report of the Harbour Trust Board. It was dealt with in G.O., dated 23rd May 1894, No. 185, and calls for no further remarks.

14. The decrease in the landing operations carried out by the Agent for Government Consignments which was noticed in the preceding year continued during that under review. There was, however, an increase in the number and weight of articles shipped.

	No. of packages.	Tons.
Landed.		
1891–92	103,927	6,800
1892–93	79,846	5,775
1893–94	56,607	5,078
Shipped.		
1891–92	35,227	3,883
1892–93	24,248	2,246
1893–94	29,753	2,353

15. The Government is pleased to note that the various reports have been considerably curtailed. All unnecessary statistics and information should be rigorously excluded. The administration of the Port Department during the past official year was satisfactory.

(True Extract.)

Chief Secretary.

To the Presidency Port Officer.
,, Chairman, Harbour Trust Board.
,, Chairman, Chamber of Commerce
,, Financial Department.
,, Public Works Department.
,, Revenue Department.
,, Accountant-General.
Editors' Table.

Exd. A. Raitt.

P. W. COLLECTION 8775

27-11-93 No 3059 h

Govt. of {1894} Madras.

MARINE.

Issued

Recd. 16-11-94 Encl.

G.O., 6th November 1894, No. 426.

NOVEMBER.

Madras Port Department.

Reviewing the Administration Report of the — for the year 1893–94.

Ro. 2995 h dt 21 Nov. 94.

Communicated to Supdtg: Engineers concerned for information.

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GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper:—

From Commander C. W. HEWETT, R.I.M., in charge Presidency Port Office, Madras, to the Chief Secretary to Government, dated Madras, 15th October 1894, No. 1725-371-G.

I have the honour to forward herewith the report on the administration of the Madras Port Department (including the reports of the Agent for Government Consignments and Deputy Conservator of the Port of Madras) for the official year 1893–94.

REPORT ON THE ADMINISTRATION OF THE MADRAS PORT DEPARTMENT FOR THE OFFICIAL YEAR 1893–94.

Official Staff.—Commander W. J. Powell, R.I.M., Presidency Port Officer, was absent on medical leave to Europe from 17th May 1893 to 10th April 1894. Commander C. W. Hewett, R.I.M., acted for him up to 2nd June 1893, and Commander H. A. Street, R.I.M., for the remainder of the period.

Mr. J. E. Winckler, Port Officer, Cochin, and Mr. F. M. Gillham, Port Officer, Calicut, were placed on the retired list under the Superannuation Pension rules. To fill the vacancies thus caused the following transfers, &c., among the Coast Port Officers were carried out, namely, Mr. M. Woodhouse from Mangalore to Cochin, Mr. W. S. Carlyon from Vizagapatam to Mangalore, Mr. [illegible] Brown, Reserve Port Officer, to Vizagapatam, Mr. N. A. W. Hamilton from Gopalpur to Calicut, Mr. [illegible] Simpson from Masulipatam to Gopalpur, Mr. C. C. Hearsey appointed to Masulipatam, Mr. G. Leverett appointed as Reserve Port Officer.

Mr. Hearsey, after a short but useful career as Port Officer of Masulipatam, died at that port on the 8th August 1893. Mr. Leverett was consequently transferred to the Masulipatam and Mr. F. Icely appointed as Reserve Port Officer.

Other changes of a temporary nature by absence on leave and from other causes are noticed in Appendix H.

Act X of 1889.—The limits of the ports of Mangalore, Gopalpur and Ganjám, as already fixed, were altered and the revised limits duly defined by notification under section 5 (2).

Under section 6 (1) (*j*) a schedule of ground rent for the use of land within port limits at coast ports by private persons was brought into force.

Under section 6 (1), Rule XIV of the rules for the port of Madras relating to vessels arriving with epidemic diseases on board, &c., was revised. An addition was made to Rule VII of the same rules to provide for vessels with stockless anchors being in readiness to move from their berths within an hour from receiving notice.

Rule IV (*a*) of the rules for coast ports was amended so as to provide for vessels taking in or discharging coral or other offensive articles, doing so only at such places as may be set apart for the purpose.

Under Rule 24 of the Boat Rules framed under section 6, clause (*k*), maximum rates were prescribed for the hire of boats and catamarans employed in the port of Madras.

A revised schedule of boat-hire rates for the port of Ganjám was introduced.

Under section (4) (1) (*a*), the provisions of the Ports Act were extended to the ports of Vembar and Pattanamaradur, in the district of Tinnevelly, and the necessary notifications issued as regards appointment of Port Conservator, introduction of port rules, rates of port dues, &c.

Madras Act III of 1885.—The schedule of fees levied under this Act at Mangalore was revised and the revised schedule brought into effect from 1st April 1893.

Acts X of 1841 *and XI of* 1850.—Under section 3 of Act X of 1841 the Personal Assistant to the Presidency Port Officer was appointed to be a Registrar of Shipping at the port of Madras. Under the provisions of section 3 of Act XI of 1850 special rules for the measurement of *open* native craft were brought into force.

One hundred and twenty-three native vessels were registered and 179 changes of masters endorsed on registry certificates. The total of fees realised under both heads was Rs. 1,534-8-0 against Rs. 1,412-15-0 in the previous year, showing an increase. Details are given in Appendices F and G.

Act I of 1859.—Details of shipments and discharges of seamen are given in Appendix K. Compared with the figures of the preceding year there was a large decrease in the number of European seamen discharged, pointing to a careful observance by Shipping Masters of the Instructions of the Board of Trade as regards discouraging, to all possible extent, the discharge of such seamen abroad, while in the case of Asiatic seamen shipped and discharged there has been an increase.

Passenger Traffic, General and under the Native Passenger Ships Act.—By vessels that came under the operation of the Native Passenger Ships Act, 16,665 passengers left the Madras Coast on "long" voyages, and 105,710 on "short" voyages. Details of general passenger traffic are given in Appendix I. 203,807 passengers in general arrived on the coast and 208,894 sailed therefrom. Compared with the figures of the preceding year the decrease in departure is very large, which however is due in a great measure to favorable weather and good crops in certain districts and to the opening up of the East Coast Railway which afforded the people employment nearer home without having to seek for it in Burma and elsewhere.

The largest passenger traffic was carried on at Pamban, Tuticorin and Negapatam as in the previous year.

Wrecks and Casualties.—Details are given in Appendix A. There were 16 casualties to ship[illegible] in the year against [illegible] in the preceding year. The most important of these [illegible] stranding of the British steam ship *Ratho*, of Liverpool, tons 2,758. [illegible]*route* from Pondicherry to Cocanada, went aground five miles south-west [illegible]iento Shoal, but was floated again without any apparent damage after [illegible] part of her cargo into lighters. A Marine Court of Enquiry touching this [illegible]s held at Cocanada. The master of the *Ratho* was censured by the Court for neglect, any severer measure being considered unnecessary in dealing with him.

There was no loss of life in any instance.

Life-saving Apparatus.—Exercises were continued at Gopalpur, Bimlipatam and Vizagapatam.

Boat supply—at coast ports was well maintained. Appendix L gives details of the number available at the more important ports and shows an increase.

Meteorological—observations were continued to the end of the year at the Presidency Port Office Observatory, but very shortly afterwards the instruments were transferred to the Government Astronomer and observations undertaken by that officer.

Weather.—Between 13th and 16th June 1893 stormy weather prevailed along the coast from Cocanada northwards, the depression crossing the coast near Cocanada on the latter date. On the 11th October the warning signals under the Cyclone Code were hoisted at Madras, a depression having formed in the Bay at some distance from the port, but moving northwards it filled up the following day when the signals were hauled down. On the 5th November, on which date the warning signals were again hoisted at Madras, and the following day, when they were hauled down, a cyclonic storm was experienced on the coast from Madras southwards, the centre of

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[illegible] with or

the depression crossing the coast to the south of Cuddalore. On the 27th October warning signals were again hoisted at Madras and hauled down on the 28th idem. The depression, however, passed away northwards and did not affect the weather in the west of the Bay. On 22nd November a small cyclonic storm approached the coast south of the Peninsula. Beyond a few lighters and masulah boats anchored in Madras Harbour being driven on shore and injured, no damages were reported anywhere.

Dredging Operations.—At Cocanada the Priestman Dredger was employed 172 days in the year removing 51,469 tons of silt at an average working expense of As. 1–5 per ton, and the dredger "Connemara" 189 days removing 52,524 tons of silt at As. 1–1 per ton. The small dredger at Cuddalore worked 148 days, removing 9,655 tons of silt at an average working expense of As. 1–7 per ton. Other particulars will be found in Appendix J and J (i). The dredger "Wenlock" was sent into dock at Calcutta for a thorough overhauling and cleaning.

Service Registers—have been maintained in accordance with Government Orders.

Stores.—The instructions relating to the maintenance of an inventory of valuable stock have been carried out.

Navigation, Tonnage and Dues.—For details see Appendix B. The following statement shows the number of vessels, their tonnage, and the dues collected thereon in the whole Presidency :—

Ports.	Vessels.	Number.	Tonnage.	Dues.	Remarks.
				Rs.	
Madras ..	British—				Men-of-war, Government ships and vessels that called for orders only are not included; hence the variation between the figures here and those in the Deputy Conservator's Report.
	Coasting	359	648,771	39,886	
	Other than coasting	217	462,074	61,650	
	Foreign	82	115,399	11,242	
	Native	66	7,491	608	
	Total ..	724	1,233,735	1,13,386	
Coast Ports ..	British—				
	Coasting	3,483	4,954,709	1,57,699	
	Other than coasting	277	390,548	30,138	
	Foreign	637	112,214	13,278	
	Native	19,712	685,167	22,479	
	Total ..	24,109	6,142,638	2,23,594	

Compared with the figures of the preceding year, there was, in respect to the Port of Madras, in the case of—

(*a*) British coasting vessels, a slight increase in the number and tonnage, but a decrease in dues;
(*b*) British vessels other than coasting, an increase in number, tonnage and dues;
(*c*) Foreign vessels, an increase in number, tonnage and dues; and
(*d*) Native vessels, a small decrease in number, tonnage and dues.

Class (*a*) paid Anna 1 per ton port dues, Class (*b*) As. 2–2, Class (*c*) As. 1–6, and Class (*d*) As. 1–4. The payments at Madras averaged thus from 12 to 26 pies per ton.

Similarly compared, there was in respect to the coast ports, in the case of—

Class (*a*), an increase in number, tonnage and dues; and
Classes, (*b*), (*c*) and (*d*) a decrease in number, tonnage and dues.

Class (*a*) paid Pies 6 per ton port dues, Class (*b*) As. 1–4, Class (*c*) As. 1–2, and Class (*d*) Pies 6. The payments at the coast ports averaged thus from 6 to 16 pies per ton.

Trade.—The subjoined statement exhibits the value of, and duty on, the import and export trade of the principal ports of the Presidency excluding Government store and Government and private treasure :—

Ports.	Tons.	Value of Duty on			Total.
		Imports.	Exports.	Total.	
		Rs.	Rs.	Rs.	Rs.
Madras					
Tuticorin	1,233,735	6,49,78,552	6,76,53,455	12,26,32,007	10,83,403
Cochin	493,150	1,21,66,258	1,56,17,961	2,77,84,219	41,942
Cocanada	485,422	76,67,598	1,15,44,432	1,92,12,030	32,124
Calicut	574,132	37,06,955	1,54,59,084	1,91,66,039	83,332
Mangalore	470,329	63,69,544	1,10,22,070	1,73,84,614	8,716
Tellicherry	238,011	27,69,400	1,24,74,921	1,52,44,321	16,580
Negapatam	312,404	88,98,250	80,84,472	1,69,82,722	7,684
Bimlipatam	563,403	51,75,549	61,60,678	1,13,36,127	94,936
Cuddalore	420,460	22,22,835	43,67,369	65,90,204	1,002
Masulipatam	276,772	10,91,370	43,12,683	64,04,053	1,743
Gopalpur	357,372	14,53,101	27,10,311	41,63,412	71,350
Cannanore	222,828	15,41,473	19,47,460	34,88,933	45,821
Vizagapatam	251,216	14,68,760	15,64,195	30,32,945	750
Calingapatam	425,844	12,26,939	16,77,616	29,04,555	1,219
Porto Novo	260,078	5,28,410	14,24,290	19,52,700	135
Pamban	64,083	1,85,688	6,03,328	7,89,016	143
All other coast ports	74,852	4,04,966	3,33,979	7,38,945	9,716
	663,782	79,78,148	1,01,61,227	1,81,39,375	99
Madras { 1892–93	1,125,778	5,93,14,809	5,10,18,461	11,03,33,270	1,27,495
{ 1893–94	1,233,735	6,49,78,552	5,76,53,455	12,26,32,007	11,22,849
Increase	107,957	56,63,743	66,34,994	1,22,98,737	10,83,403
Decrease	..	..	..	..	..
Coast ports { 1892–93	5,987,491	6,08,40,618	11,33,19,265	17,41,59,883	39,446
{ 1893–94	6,142,638	6,08,43,234	10,94,55,876	17,02,99,110	..
Increase	155,147	2,616	38,63,389	38,60,773	4,21,660
Decrease	..	..	..	..	5,44,552
					1,22,892
					..

Tuticorin again stands first in point of the value of trade carried on in the year; Cochin, Cocanada, Calicut, Mangalore, Tellicherrp and Negapatam come next in order.

COAST PORTS—*Gopalpur*—The southern limit of the port was extended and a new boundary pillar erected. *Cocanada*—The Conservancy Board held twelve meetings; the machinery of the Priestman dredger and the dredger "Connemara" were repaired; the red buoy off Point Gódávari was altered into a black pillar buoy in accordance with the universal system of buoyage. *Masulipatam*—The Bar buoys were lifted, painted and replaced in position; the Landing and Shipping Dues Committee held three meetings. *Cuddalore*—The channels in front of Messrs. Parry and Company's godowns have all been dredged, thus affording better facilities for the plying of cargo boats. *Negapatam*—Wreck buoy was painted and replaced; a new flagstaff was supplied. *Pamban*—Reef channel has maintained its depth; the port was supplied with a new gig. *Tuticorin*—The new goods-shed here was taken into use from May of the year under report. *Cochin*—Large repairs to Groyne A and to the Cruz Milagre dam were carried out. *Mangalore*—Measures for improvements to the port by means of dredging, &c., were under consideration.

The various marine structures along the coast were maintained in a satisfactory condition. The Presidency Port Officer paid his annual visit of inspection to all the principal ports.

ACCOUNTS.

Appendix C furnishes a statement of the financial position of the Port and Marine Funds for the year under review.

The receipts and charges for the year which have been found to agree with the figures on the books of the Accountant-General, were revised in accordance with G.O., No. 24, Marine, dated 27th January 1890.

Port Funds—Act X of 1889.

Receipts.—(i) Port dues collections in 1893–94 were Rs. 17,210 in excess of those for 1892–93, an increase of Rs. 12,760 and Rs. 8,356 appearing in Madras and in the Eastern Group, respectively, and a decrease of Rs. 3,906 in the Western Group. The collections at Madras were credited to that port in full under the provisions of Act X of 1889.

(ii) Particulars of General receipts and of receipts under other heads of account are contained in Appendices C (iii) and C (i), respectively.

Charges.—(i) General charges for 1893–94, particulars of which are given in Appendix C (iii), were slightly in excess of similar charges for the previous year, the increase appearing under Pensions and Gratuities.

(ii) Lighthouse charges, particulars of which were given in the statement that accompanied this office letter No. 1722–356-G., dated 22nd September 1894, were much less than those for 1892–93.

(iii) Charges under other heads of account are specified in Appendix C (ii).

The transactions of the District Port Funds for 1893–94 have disclosed a satisfactory improvement in the state of their finances—*vide* Appendix (*c*)—and all District Port Funds, without exception, had a balance to their credit by the transactions of the year, as explained below:—

Ganjám.—Rs. 14,015–12–1, deficit balance at the close of 1892–93, was met by a Provincial contribution in 1893–94. The transactions of the year resulted in a surplus of Rs. 2,847–7–1, and adjusting this sum with Rs. 7,576, interest on loan, there remained a debit balance of Rs. 4,728–8–11 on the 31st March 1894. As in the past years, this deficit will have to be met by a Provincial contribution to continue the loan outstanding against this district unaltered.

Vizagapatam.—Government securities of the nominal value of Rs. 8,000 were purchased during the year. After defraying charges on this account, there remained a surplus of Rs. 3,407–10–11 by the year's transactions.

Gódávari.—Government securities of the nominal value of Rs. 6,000 were purchased during the year. Of the surplus balance of Rs. 10,498–8–5 on the 31st March 1894, Rs. 6,000 may be invested in Government securities during the current year.

Kistna.—The transactions of the year resulted in a surplus balance of Rupees 2,837–11–11. After payment of Rs. 260 on account of interest on loan and Rs. 2,500 towards principal, there remained on the 31st March 1894 a loan of Rs. 4,000 outstanding and a small surplus balance of Rs. 42–14–9.

Nellore and Chingleput.—Both these districts had a surplus balance during the year and continued to maintain their good financial condition. Out of the surplus balance on 31st March 1894, Rs. 2,000 and Rs. 1,000 may be invested in Government securities on behalf of these District Port Funds, respectively.

South Arcot.—Exclusive of charges incurred during the year in the purchase of Government securities of a nominal value of Rs. 2,000 which amounted to Rupees 2,132–14–10, the transactions of this District Port Fund had a surplus during the year. The charge specified resulted in a small nominal deficit. Of the surplus balance on the 31st March 1894, Rs. 2,000 may be invested in Government securities during the current year.

Tanjore.—The state of finance of this district is satisfactory. The transactions of 1893–94 resulted in a surplus of Rs. 5,595–0–3. Rs. 484 was paid on account of interest on loan and Rs. 5,100 towards principal; and these adjustments left Rs. 7,000 as loan outstanding on the 31st March 1894 and a small surplus of Rs. 47–8–1.

Madura.—The surplus balance at the close of 1892–93 has been transferred to the credit of Pamban Pilotage Funds. The transactions of the year left a small surplus of Rs. 366–1–8, which has likewise to be transferred during the current year to the credit of the fund specified.

Tinnevelly.—Rs. 3,966–10–8, interest on loan of Rs. 70,000, has been adjusted to the credit of this district and Rs. 743–13–11, contribution on account of Dredger *Wenlock's* charges, to its debit. Rs. 70,000 was received as repayment of loan, and another small sum of Rs. 8, interest on the outstanding loan of Rs. 200, has also been adjusted. This outstanding loan will have to be recovered during the current year. The large surplus cash balance on the 31st March 1894 should be allowed to stand in view to meeting charges on account of the new pier.

Malabar.—Rs. 30,000 were invested in Government securities and Rs. 16,500 lent to Cocanada Landing and Shipping Dues Fund to meet groynes charges. These transactions resulted in a nominal deficit during the year. Out of the surplus balance on the 31st March 1894, a further sum of Rs. 20,000 may be invested.

South Canara.—Notwithstanding the purchase of Government securities of the nominal value of Rs. 3,000, this district had a surplus of Rs. 3,513–8–4 during the year. Out of the surplus balance on the 31st March 1894, Rs. 6,000 may be invested in Government securities.

Madras.—Unlike in the past years, the transactions of the year 1893–94 disclosed a large surplus, and this was due, in a great measure, to the non-payment of any contribution to the Harbour Trust Board during that year. The invested capital of Rupees 20,000 was transferred to the Harbour Trust Board. Rs. 10,315–5–11, surplus balance of the Madras Pilotage Fund on the 31st December 1893, as also Rs. 33,900 in Government securities appertaining to that fund, were transferred to the credit of the Madras district, as per G.O., No. 52, Marine, dated 13th February 1894. Rupees 8,320 was adjusted to credit as interest on sums lent, and Rs. 7,600 as repayment of loan by the Kistna and Tanjore District Port Funds. Rs. 33,900 in Government securities and the cash balance of Rs. 1,40,962–0–10 that remained to the credit of this district on the 31st March 1894 will have to be transferred to the Harbour Trust Board, as per G.O., No. 340-A, Financial, dated 1st April 1893.

It will thus be seen that the Port Fund balances on the 31st March 1893 of the Eastern Group, Western Group and Madras districts, have increased by Rs. 57,474, Rs. 40,080–9–6 and Rs. 89,654–11–4, respectively. The surpluses in the Vizagapatam, Gódávari and Tinnevelly Port Funds have contributed greatly to the increase

in the Eastern Group districts; the surpluses of the Malabar and South Canara as usual to that of the Western group; the non-payment of contribution to the Harbour Trust Board and receipt of a large invested sum of Rs. 33,900 from the Madras Pilotage Funds, left a large surplus to be added to the balance of the Madras district. The balance of Port Funds, Act X of 1889, which was Rs. 6,55,527–1–3 on the 31st March 1893, has increased to Rs. 8,42,736–6–1 on the same day in 1894.

Pilotage Funds.

Madras.—Out of the invested capital that stood to the credit of this fund on the 31st March 1893, securities of the nominal value of Rs. 50,000 were retained for this fund and the balance, Rs. 33,900, as also the cash balance on the 31st March 1893, viz., Rs. 6,848–9–0, and the surplus of the year up to 31st December 1893 were transferred to the Madras Port Funds, as per G.O., No. 52, Marine, dated 13th February 1894. The adjustment in the fourth quarter of the year 1893–94 of a portion of charge on account of a steam cutter procured for the Harbour Masters has led to a small deficit of Rs. 2,431–8–9 on the 31st March 1894, and this deficit, I would suggest, be wiped off by a contribution to that extent by the Madras Port Fund to which the balance of this fund up to 31st December 1893 has been transferred.

Pamban and Kilakarai.—A sum of Rs. 70,000 was contributed during the year by Provincial Funds in aid of loan outstanding against this fund, and the loan to Tinnevelly Port Fund repaid to that extent. Rs. 3,966–10–8 has been treated as payment of interest on account of loan. The surplus of Madura Port Fund on the 31st March 1893 has been transferred to the credit of this fund during the year. Charges on account of Dredger *Wenlock* amounted to Rs. 34,107–12–2, and of this sum, Rs. 3,361–10–5 was paid as contribution by the Cocanada Landing and Shipping Dues Fund and Tinnevelly Port Fund, *i.e.*, Rs. 2,617–12–6 by the former and Rs. 743–13–11 by the latter; the balance of Rs. 30,746–1–9 will have to be met by a contribution from Provincial Funds, as per paragraph 8 of G.O., No. 259, Financial, dated 13th March 1893. There was a small balance of loan, *i.e.*, Rs. 200 outstanding against this fund on the 31st March 1894, and this sum will have to be paid from the surplus of the current year. Interest on this sum has been adjusted to the debit of this fund during 1893–94.

Cochin.—Government securities of the nominal value of Rs. 12,000 were purchased during the year at a cost of Rs. 12,578–12–2. The surplus balance of this fund on the 31st March 1894 was Rs. 5,517–7–9.

Mangalore.—A slight deficit is noticed in the transactions of 1893–94, and this is due to the collections of the last month of 1892–93 having been paid in 1893–94.

Landing and Shipping Dues (Act III of 1885).

Besides payment of Rs. 2,617–12–6 by Cocanada as contribution on account of charges of Dredger *Wenlock*, there were no special charges during the year in any port in which this Act is in force. A loan of Rs. 16,500 was received to the credit of Cocanada Landing and Shipping Dues Fund in aid of groynes charges. The transactions of the year resulted in a surplus in each case.

The following are the points on which the orders of Government are to be obtained in respect to the accounts of 1893–94:—

(1) Payment of contribution by Provincial Funds to meet the deficit of the Ganjám Port Fund.

(2) Investment in Government securities of the amount specified against the District Port Funds stated below:—

Gódávari	·06
Nellore	·02
Chingleput	·01
South Arcot	·02
Malabar	·20
South Canara	·06

(3) Transfer of the surplus balance of the Madura Port Fund on the 31st March 1894 to the Pamban and Kilakarai Pilotage Funds.

(4) Transfer of Rs. 2,431-8-9 from the surplus balance of Madras Port Funds to Madras Pilotage Funds to meet deficit on the 31st March 1894.

(5) Transfer of the balance of Rs. 1,38,530-8-1, viz., Rs. 1,40,962-0-10 *minus* Rs. 2,431-8-9 noticed above, and Government securities Rs. 33,900 of the Madras Port Fund, to the Harbour Trust Board, as per G.O., No. 340-A, Financial, dated 1st April 1893.

(6) Payment of a Provincial contribution of Rs. 30,746-1-9 to the Pamban Pilotage Funds to meet deficit on account of Dredger *Wenlock's* charges, as per G.O., No. 259, Financial, dated 13th March 1893.

(7) Repayment in the current year of the loan of Rs. 200 outstanding against Pamban and Kilakarai Pilotage Funds to the Tinnevelly Port Fund.

(8) The *plus* and *minus* entries to be made in the District Port Fund accounts maintained by the Accountant-General as shown in Appendices C (vi-*a*) and C (vi-*b*).

SUMMARY.

Compared with the preceding year's figures there was at Madras, in the year under review, in the case of British coasting vessels an increase in the number and tonnage but a decrease in dues; in the case of native vessels a decrease in number, tonnage and dues; and in the case of British vessels other than coasting and in foreign vessels there has been an increase in number, tonnage and dues. At the coast ports there was in the case of British coasting vessels an increase and in the case of all other vessels a decrease in number, tonnage and dues.

Seven hundred and twenty-four vessels of 1,233,735 tons (total) called at Madras in the year 1893-94 paying Rs. 1,13,386 in port dues, while 24,109 vessels of 6,142,638 tons (total) called at the coast ports paying Rs. 2,23,594 in port dues.

The payments in dues averaged from 12 to 26 pies per ton at Madras and from 6 to 16 pies per ton at the coast ports.

The largest passenger traffic was carried on at the following ports, viz., Pámban (37,298 passengers arrived and 48,853 left), Tuticorin (47,256 arrived and 34,226 left), and Negapatam (27,167 arrived and 32,789 left).

The largest trade was carried on at Tuticorin among the coast ports.

The number of casualties to shipping was 16 against 18 in the preceding year. In the case of the S.S. *Ratho* which went aground near the Sacramento Shoal, but was subsequently floated, a Marine Court of Inquiry was held.

APPENDIX A.

STATEMENT of Wrecks and Casualties which have occurred, or have been reported, at Ports in the Madras Presidency during the official year 1893-94.

Date.	Name of Vessel.	Tonnage.	Summary of particulars furnished by the reporting officer.	Finding of the Court of Inquiry.
1893.	(*Foundering*).			
21st April ..	Cutch Gunja *Padaruth*; Master, Jacob.	115	Capsized opposite the Calicut Lighthouse owing to a sudden shift of wind which caught the sail aback. Total loss to the gunja Rs. 7,000; to cargo Rs. 1,600. No lives lost.	
	(*Stranding*).			
20th May ..	British Odom *Poodia Parody*; Master, Mahomed Coya.	23	While endeavouring to cross the Mangalore bar, the vessel was overcome by a heavy sea, thrown inside again and almost immediately thrown on the beach. Total loss to ship Rs. 300; to cargo Rs. 1,000. No lives lost.	
	(*Stranding*).			
26th „ ..	British Batel *Fattel Khair*; Master, Allah Rakhia.	40	Stranded through stress of weather while trying to cross the Mangalore bar without a pilot. Total loss to vessel Rs. 1,500; partial loss to cargo Rs. 1,000.	
	(*Stranding*).			
27th „ ..	British Indian Gunja *Jamshad*; Master, Kassum.	133	Having experienced cyclonic weather while on her way from Calicut to Bombay lost her main sail and ran ashore near Coondapoor. Partial loss to vessel Rs. 500; loss to cargo Rs. 300.	
	(*Stranding*).			
28th „ ..	Cutch Batel *Sulthany*; Master, Sale Mahomed.	47	Went ashore at Kasaragod owing to stress of weather and broke up. Partial loss to vessel Rs. 1,000; to cargo Rs. 1,912. No lives lost.	
	(*Miscellaneous*).			
15th June ..	British Brig *Shagool Hameed*; Master, Bana Poodian.	133	Became dismasted off Kottapatam during a heavy storm on the 15th June 1893 while proceeding in ballast from Madras to Masulipatam. Partial loss to ship Rs. 3,000.	
	(*Collision*).			
3rd Sept. ..	British Brig *Hydroose*; Master, Vella Tamby.	92	While on her way from Colombo to Tuticorin, the brig collided with the S.S. *Kerbela* through negligent look-out. Loss to the brig Rs. 500.	
	(*Foundering.*)			
25th „ ..	British Barque *Hyder Ally*; Master, S. Nagudah Maricar.	342	While kedging into the Coleroon river the vessel touched the ground, made a hole in her bottom and foundered. Total loss to ship Rs. 10,000. No loss of lives.	
	(*Miscellaneous.*)			
26th Oct. ..	British Brig *Neelayathatchy*; Master, Sarathatheen Maricar.	105	While on her way from Nicobar to Calcutta met with a cyclonic storm and became totally dismasted near the Andaman Islands. Loss to the brig Rs. 1,500; to cargo Rs. 60. No lives lost.	
	(*Miscellaneous.*)			
5th Nov. ..	British Brig *Katheriah*; Master, Varisai Ebrayu Mowla.	116	Owing to stress of weather, became totally dismasted at a spot between Pondicherry and Porto Novo. Total loss to the vessel Rs. 4,000; to cargo Rs. 4,500. No lives lost.	
	(*Stranding.*)			
6th „ ..	British Schooner *Mahomed Suliman Bux*; Master.	118	Drifted ashore through stress of weather near the village of Kondaledu, Nellore district, and became a total wreck. Loss to the ship about Rs. 12,000; to cargo about Rs. 7,000.	
	(*Stranding.*)			
22nd „ ..	British Indian Brig *Ameena Rahiman*; Master, Kadir Ibram Sahib.	190	Drifted ashore off Toputorai having lost her sails through strong wind. Loss to the vessel Rs. 10,000; to cargo Rs. 450. No lives lost.	

Statement of Wrecks and Casualties which have occurred, or have been reported, at Ports in the Madras Presidency, &c.—*cont.*

Date.	Name of vessel.	Tonnage.	Summary of particulars furnished by the reporting officer.	Finding of the Court of Inquiry.
1894.	(*Stranding*).			
1st February.	British S.S. *Ratho*; Master, John Dunlop.	2,758	Stranded about five miles off Sacramento Shoal en route from Pondicherry to Coconada. Loss to vessel £200. No lives lost.	The master was censured for negligent by a Marine Court of Inquiry held at Coconada.
	(*Stranding.*)			
10th „	British Muckwa *Mouhidy*; Master, Sheik Mohidin.	89	When about to enter the port of Mangalore the vessel suddenly fell in with bad weather and struck on the sandspit.	
	(*Stranding.*)			
10th March ..	British Brig *Safanathulla*; Master, Mariam Pillai.	94	While on her way from Porto Novo, the vessel stranded near Thamus Kodi, Gulf of Mannar, owing to strong adverse currents. No loss to vessel or cargo.	
	(*Stranding.*)			
13th „ ..	Native Gunja *Madevapasa alias Pogdie*; Master, Salman.	83	While leaving the port of Calicut, a high swell set in sending up a large amount of mud ashore; the vessel was caught in this mud and the swell rolling in over it broke her up. Total loss to the gunja Rs. 3,000; to cargo Rs. 1,880. No lives lost.	

ABSTRACT.

Year.	Number of casualties.					Number of lives lost.
	Strandings.	Founderings.	Collisions.	Miscellaneous	Total.	
1892-93	12	1	..	5	18	..
1893-94	10	2	1	3	16	..
Increase ..	..	1	1	..	..	..
Decrease ..	2	..	..	2	2	..

APPENDIX B.

PARTICULARS of the Trade of the several districts of the Madras Presidency during the official year 1893–94.

Districts.	British vessels. Coasting steamers. Arrived.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
1	2	3	4	5	6	7	8	9	10	11	12	13
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	1	550	77 5 6	182	291,760	12,795 3 0	157	242,619	3,423 15 0	340	534,929	16,296 7 6
Vizagapatam	1	2,030	285 7 6	357	604,278	7,454 14 6	112	175,285	2,457 6 0	470	781,593	10,197 12 0
Gódávari	1	2,158	303 7 6	64	130,272	4,183 15 6	204	337,638	2,514 3 0	269	470,068	7,001 10 0
Kistna	6	12,358	..	83	145,164	3,694 8 0	119	174,338	1,799 1 0	208	331,860	5,493 9 0
Nellore	..	..	..	3	4,553	..	..	..	..	3	4,553	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	149	259,429	5,177 1 0	1	2,156	..	150	261,585	5,177 1 0
Tanjore	1	482	..	183	288,851	4,054 7 3	133	178,745	10,716 12 0	317	468,078	14,771 3 3
Madura	14	3,784	..	63	15,237	33 15 0	159	41,217	1,499 7 0	236	60,238	1,533 6 0
Tinnevelly	4	1,476	4 3 6	370	441,058	40,464 10 9	1	1,070	..	375	443,604	40,468 14 3
Total ..	28	22,838	670 8 0	1,454	2,180,602	77,858 11 0	886	1,153,068	22,410 12 0	2,368	3,356,508	1,00,939 15 0
Western Group.												
Malabar	1	1,251	..	538	973,862	43,433 15 0	178	311,092	7,903 1 3	717	1,286,205	51,337 0 3
South Canara	2	22	..	..	..	..	396	311,974	5,364 7 8	398	311,996	5,364 7 8
Total ..	3	1,273	..	538	973,862	43,433 15 0	574	623,066	13,267 8 11	1,115	1,598,201	56,701 7 11
Madras	..	..	..	359	648,771	39,885 11 5	..	..	..	359	648,771	39,885 11 5
Grand Total ..	31	24,111	670 8 0	2,351	3,803,235	1,61,178 5 5	1,460	1,776,134	35,678 4 11	3,842	5,603,480	1,97,527 2 4

APPENDIX B—*cont.*

Districts.	British vessels—*cont.*											
	Coasting steamers—*cont.*											
	Left.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	14	15	16	17	18	19	20	21	22	23	24	25
Eastern Group.						Rs. A. P.						Rs. A. P.
Ganjám	..	..	..	181	288,965	..	160	246,718	..	341	535,683	..
Vizagapatam	..	..	..	358	606,308	..	112	175,285	..	470	781,593	..
Gódávari	..	..	..	72	142,763	..	196	330,600	..	268	473,363	..
Kistna	32	51,088	..	61	101,655	..	115	179,117	..	208	331,860	..
Nellore	..	..	..	3	4,553	..	..	..	..	3	4,553	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	1	1,876	..	132	226,681	..	16	31,467	..	149	260,024	..
Tanjore	..	..	..	227	344,915	..	92	125,412	..	319	470,327	..
Madura	32	7,767	..	58	14,139	58 5 0	146	38,332	..	236	60,238	58 5 0
Tinnevelly	5	8,028	..	368	434,191	..	1	1,355	..	374	443,574	..
Total ..	70	68,759	..	1,460	2,164,170	58 5 0	838	1,128,286	..	2,368	3,361,215	58 5 0
Western Group.												
Malabar	44	82,132	..	509	912,710	..	160	287,940	..	713	1282,782	..
South Canara	2	23	..	..	..	..	396	311,975	..	398	311,998	..
Total ..	46	82,155	..	509	912,710	..	556	599,915	..	1,111	1,594,780	..
Madras	58	110,415	..	298	531,459	..	..	..	..	356	641,874	..
Grand Total ..	174	261,329	..	2,267	3,608,339	58 5 0	1,394	1,728,201	..	3,835	5,597,869	58 5 0

APPENDIX B—*cont.*

Districts.	British vessels—*cont.*											
	Other vessels (excluding coasting steamers).											
	Arrived.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	26	27	28	29	30	31	32	33	34	35	36	37
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	3	5,128	548 13 9	6	10,326	945 6 0	..	..	..	9	15,454	1,494 3 9
Vizagapatam	7	12,722	1,244 4 6	32	49,072	4,316 14 6	..	..	..	39	61,794	5,561 3 0
Gódávari	18	23,604	3,486 13 6	31	51,241	6,291 12 0	3	3,519	361 8 0	52	78,364	10,140 1 6
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	6	9,816	920 4 0	3	5,480	685 0 0	26	43,966	369 14 6	35	59,262	1,975 2 6
Tanjore	..	..	..	11	18,351	270 3 0	43	72,593	4,680 9 6	54	90,944	4,950 12 6
Madura	2	211	..	32	7,105	412 10 3	1	98	..	35	7,414	412 10 3
Tinnevelly	4	5,782	542 1 0	12	21,242	2,655 4 0	..	..	..	16	27,024	3,197 5 0
Total ..	40	57,263	6,742 4 9	127	162,817	15,577 1 9	73	120,176	5,412 0 0	240	340,256	27,731 6 6
Western Group.												
Malabar	3	3,361	129 10 6	29	41,950	1,604 7 6	4	3,804	438 11 6	36	49,115	2,172 13 6
South Canara	..	..	..	1	1,177	220 11 0	..	..	..	1	1,177	220 11 0
Total ..	3	3,361	129 10 6	30	43,127	1,825 2 6	4	3,804	438 11 6	37	50,292	2,393 8 6
Madras	2	3,843	405 5 1	215	458,231	61,244 13 6	..	..	..	217	462,074	61,650 2 7
Grand Total ..	45	64,467	7,277 4 4	372	664,175	78,647 1 9	77	123,980	5,850 11 6	494	852,622	91,775 1 7

APPENDIX B—*cont.*

Districts.	British vessels—*cont.*											
	Other vessels (excluding coasting steamers)—*cont.*											
	Left.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	38	39	40	41	42	43	44	45	46	47	48	49
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	..	..	..	9	15,642	..	..	..	..	9	15,642	..
Vizagapatam	..	..	..	37	58,509	..	..	..	..	37	58,509	..
Gódávári	3	3,216	..	46	69,069	..	3	4,679	..	52	76,964	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	1	1,561	..	10	17,446	..	26	43,966	..	37	62,973	..
Tanjore	..	..	..	8	13,528	..	46	77,416	..	54	90,944	..
Madura	33	7,395	..	2	211	13 3 0	1	98	..	36	7,704	13 3 0
Tinnevelly	2	3,023	..	14	24,001	..	..	..	..	16	27,024	..
Total ..	39	15,195	..	126	198,406	13 3 0	76	126,159	..	241	339,760	13 3 0
Western Group.												
Malabar ..	3	2,468	..	32	44,906	..	2	1,987	..	37	49,361	..
South Canara	..	..	..	1	1,177	..	..	..	..	1	1,177	..
Total ..	3	2,468	..	33	46,083	..	2	1,987	..	38	50,538	..
Madras ..	35	70,469	..	187	403,942	..	..	..	..	222	474,411	..
Grand Total ..	77	88,132	..	346	648,431	13 3 0	78	128,146	..	501	864,709	13 3 0

APPENDIX B—*cont.*

Districts.	Foreign vessels.											
	Arrived.											
	In ballast.			With cargo.			With passgeners.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	50	51	52	53	54	55	56	57	58	59	60	61
Eastern Group.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Ganjám	3	2,233	314 0 3	..	..	..	..	..	..	3	2,233	314 0 3
Vizagapatam	..	..	..	1	1,639	153 10 6	..	..	..	1	1,639	153 10 6
Gódávári	3	1,186	219 8 3	3	4,849	1,285 2 0	1	2,005	273 6 0	7	8,040	1,778 0 3
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	1	1,257	157 2 0	..	..	..	1	1,257	157 2 0
Tanjore	..	..	..	7	13,052	2,388 11 6	..	..	..	7	13,052	2,388 11 6
Madura	..	..	..	1	289	54 4 6	..	..	..	1	289	54 4 6
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	6	3,419	533 8 6	13	21,086	4,038 14 6	1	2,005	273 6 0	20	26,510	4,845 13 0
Western Group.												
Malabar ..	42	5,839	413 5 8	146	64,322	6,968 5 8	3	3,668	412 15 0	191	73,829	7,794 10 4
South Canara	153	3,058	100 10 1	272	8,801	536 0 9	1	16	1 0 0	426	11,875	637 10 10
Total ..	195	8,897	513 15 9	418	73,123	7,504 6 5	4	3,684	413 15 0	617	85,704	8,432 5 2
Madras ..	2	2,896	172 13 10	80	112,503	11,068 9 3	..	..	..	82	115,399	11,241 7 1
Grand Total ..	203	15,212	1,220 6 1	511	206,712	22,611 14 2	5	5,689	687 5 0	719	227,613	24,519 9 3

APPENDIX B—*cont.*

Districts.	Foreign vessels—*cont.* — Left.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	62	63	64	65	66	67	68	69	70	71	72	73
Eastern Group.												
Ganjám	..	..	..	3	2,233	..	..	..	..	3	2,233	..
Vizagapatam	..	..	..	1	1,639	..	..	..	..	1	1,639	..
Gódávari	..	..	..	6	6,035	..	1	2,005	..	7	8,040	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	1	1,257	..	..	..	..	1	1,257	..
Tanjore	1	2,073	..	6	10,979	..	..	..	..	7	13,052	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	2,073	..	17	22,143	..	1	2,005	..	19	26,221	..
Western Group.												
Malabar	28	2,299	..	165	72,085	..	3	4,195	..	196	78,579	..
South Canara	56	1,547	..	371	10,466	..	..	..		427	12,013	..
Total ..	84	3,846	..	536	82,551	..	3	4,195	..	623	90,592	..
Madras	9	11,248	..	74	102,122	..	..	..	..	83	113,370	..
Grand Total ..	94	17,167	..	627	206,816	..	4	6,200	..	725	230,183	..

APPENDIX B—*cont.*

Districts.	Native craft. — Arrived.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage	Dues.
	74	75	76	77	78	79	80	81	82	83	84	85
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	6	489	22 14 9	9	1,317	77 15 0	..	..	..	15	1,806	100 13 9
Vizagapatam	2	414	16 7 0	6	864	54 0 0	..	..	..	8	1,278	70 7 0
Gódávari	60	9,274	445 4 9	51	6,307	353 3 0	11	2,519	127 0 0	122	18,100	925 7 9
Kistna	190	17,735	554 15 9	137	10,859	541 1 9	1	223	13 15 0	328	28,817	1,110 0 6
Nellore	3	157	1 13 3	17	773	38 9 3	..	..	..	20	930	40 6 6
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	53	6,237	145 14 6	42	5,239	268 9 0	66	6,275	288 2 6	161	17,751	702 10 0
Tanjore	373	25,053	665 9 1	428	37,224	1,567 6 11	359	18,322	678 7 6	1,160	80,599	2,911 7 6
Madura	1,281	27,643	210 13 2	992	41,175	1,889 5 8	1,380	17,157	127 5 9	3,653	85,975	2,227 8 7
Tinnevelly	376	10,993	213 13 9	1,404	55,435	1,261 0 3	156	6,483	36 3 9	1,936	72,911	1,511 1 9
Total ..	2,344	97,995	2,277 10 0	3,086	159,193	6,051 2 10	1,973	50,979	1,271 2 6	7,403	308,167	9,599 15 4
Western Group.												
Malabar	1,959	72,871	2,417 4 9	5,419	202,756	6,956 10 4	268	11,619	564 14 6	7,646	287,246	9,968 13 7
South Canara	1,575	24,909	391 8 4	2,852	61,114	2,035 4 6	236	3,731	42 1 5	4,663	89,754	2,468 14 3
Total ..	3,534	97,780	2,838 13 1	8,271	263,870	8,991 14 10	504	15,350	606 15 11	12,309	377,000	12,437 11 10
Madras	12	1,613	119 11 1	54	5,878	488 14 5	..	..	..	66	7,491	608 9 6
Grand Total ..	5,890	197,388	5,236 2 2	11,411	428,941	15,532 0 1	2,477	66,329	1,878 2 5	19,778	692,658	22,646 4 8

APPENDIX B—*cont.*

Native craft—*cont.*

Left.

Districts.	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	86	87	88	89	90	91	92	93	94	95	96	97
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	1	121	..	16	2,394	..	..	..	..	17	2,515	..
Vizagapatam	2	288	..	6	990	..	..	..	..	8	1,278	..
Gódávari	37	5,672	..	53	8,121	..	3	956	..	93	14,749	..
Kistna	41	3,771	..	314	26,622	..	..	..	..	355	30,393	..
Nellore	12	505	..	8	425	7 6 0	..	..	..	20	930	7 6 0
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	56	5,908	..	52	5,261	..	60	5,998	..	168	17,167	..
Tanjore	199	18,327	24 5 4	646	52,955	18 14 9	322	9,219	46 4 0	1,167	80,501	89 8 1
Madura	1,256	40,912	9 7 6	882	28,076	289 7 6	1,558	18,586	37 7 6	3,696	87,574	336 6 6
Tinnevelly	610	16,685	5 7 0	1,191	49,932	..	142	6,436	2 1 0	1,943	73,053	7 8 0
Total ..	2,214	92,189	39 3 10	3,168	174,776	315 12 3	2,085	41,195	85 12 6	7,467	308,160	440 12 7
Western Group.												
Malabar	1,596	48,470	..	5,940	236,287	..	166	4,714	..	7,702	289,471	..
South Canara	963	16,408	..	3,404	69,996	..	265	3,832	..	4,632	90,236	..
Total ..	2,559	64,878	..	9,344	306,283	..	431	8,546	..	12,334	379,707	..
Madras	25	2,641	..	37	4,378	..	..	..	..	62	7,019	..
Grand Total ..	4,798	159,708	39 3 10	12,549	485,437	315 12 3	2,516	49,741	85 12 6	19,863	694,886	440 12 7

APPENDIX B—*cont.*

Total.

Arrived.

Districts	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.
	98	99	100	101	102	103	104	105	106	107	108	109
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	13	8,400	963 2 3	197	303,403	13,818 8 0	157	242,619	3,423 15 0	367	554,422	18,205 9 3
Vizagapatam	10	15,166	1,546 3 0	396	655,853	11,979 7 6	112	175,285	2,457 6 0	518	846,304	15,983 0 6
Gódávari	82	36,222	4,455 2 0	149	192,669	12,114 0 6	219	345,681	3,276 1 0	450	574,572	19,845 3 6
Kistna	196	30,093	554 15 9	220	156,023	4,235 9 9	120	174,561	1,813 0 0	536	360,677	6,603 9 6
Nellore	3	157	1 13 3	20	5,326	38 9 3	..	..	..	23	5,483	40 6 6
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	59	16,053	1,066 2 6	195	271,405	6,287 12 0	93	52,397	658 1 0	347	339,855	8,011 15 6
Tanjore	374	25,535	665 9 1	629	357,478	8,280 12 8	535	269,660	16,075 13 0	1,538	652,673	25,022 2 9
Madura	1,297	31,638	210 13 2	1,088	63,806	2,290 3 5	1,540	58,472	1,626 12 9	3,925	153,916	4,227 13 4
Tinnevelly	384	18,251	760 2 3	1,786	517,735	44,380 15 0	157	7,553	36 3 9	2,327	543,539	45,177 5 0
Total ..	2,418	181,515	10,223 15 3	4,680	2,523,698	103,525 14 1	2,933	1,326,228	29,367 4 6	10,031	4,031,441	1,43,117 1 10
Western Group.												
Malabar	2,005	83,322	2,990 4 11	6,132	1,282,890	58,963 6 6	453	330,183	9,319 10 3	8,590	1,696,395	71,273 5 8
South Canara	1,730	27,989	492 2 5	3,125	71,092	2,792 0 3	633	315,721	5,407 9 1	5,488	414,802	8,691 11 9
Total ..	3,735	111,311	3,482 7 4	9,257	1,353,982	61,755 6 9	1,086	645,904	14,727 3 4	14,078	2,111,197	79,965 1 5
Madras	16	8,352	697 14 0	708	1,225,383	112,688 0 7	..	..	..	724	1,233,735	1,13,385 14 7
Grand Total ..	6,169	301,178	14,404 4 7	14,645	5,103,063	277,969 5 5	4,019	1,972,132	44,094 7 10	24,833	7,376,373	3,36,468 1 10

APPENDIX B—*cont.*

Districts.	Total—*cont.* — Left.											
	In ballast.			With cargo.			With passengers.			Total.		
	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage.	Dues.	Vessels.	Tonnage,	Dues.	Vessels.	Tonnage.	Dues.
	110	111	112	113	114	115	116	117	118	119	120	121
Eastern Group.			Rs. A. P.			Rs. A. P.			Rs. A. P.			Rs. A. P.
Ganjám	1	121	..	209	309,234	..	160	246,718	..	370	556,073	..
Vizagapatam	2	288	..	402	667,446	..	112	175,285	..	516	843,019	..
Gódávari	40	8,888	..	177	225,988	..	203	338,240	..	420	573,116	..
Kistna	73	54,859	..	375	128,277	..	115	179,117	..	563	362,253	..
Nellore	12	505	..	11	4,978	7 6 0	..	..	..	23	5,483	7 6 0
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
South Arcot	58	9,345	..	195	250,645	..	102	81,431	..	355	341,421	..
Tanjore	200	20,400	24 5 4	887	422,377	18 14 9	460	212,047	46 4 0	1,547	654,824	89 8 1
Madura	1,321	56,074	9 7 6	942	42,426	360 15 6	1,705	57,016	37 7 6	3,968	155,516	407 14 6
Tinnevelly	617	27,736	5 7 0	1,573	508,124	..	143	7,791	2 1 0	2,333	543,651	7 8 0
Total ..	2,324	178,216	39 3 10	4,771	2,559,495	387 4 3	3,000	1,297,645	85 12 6	10,095	4,035,356	512 4 7
Western Group.												
Malabar	1,671	135,369	..	6,646	1,265,988	..	331	298,836	..	8,648	1,700,193	..
South Canara	1,021	17,978	..	3,776	81,639	..	661	315,807	..	5,458	415,424	..
Total ..	2,692	153,347	..	10,422	1,347,627	..	992	614,643	..	14,106	2,115,617	..
Madras	127	194,773	..	596	1,041,901	..	..	..	..	723	1,236,674	..
Grand Total ..	5,143	526,336	39 3 10	15,789	4,949,023	387 4 3	3,992	1,912,288	85 12 6	24,924	7,387,647	512 4 7

ABSTRACT of Appendix B.

—	1893–94.								1892–93.		1891–92.	
	Madras.		Eastern Group.		Western Group.		Total.					
Class of Vessels.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.
British .. Coasting steamers ..	359	648,771	2,368	3,356,508	1,115	1,598,201	3,842	5,603,480	3,821	5,350,954	3,776	5,235,986
British .. Other vessels ..	217	462,074	240	340,256	37	50,292	494	852,622	493	810,186	511	903,802

APPENDIX C.

STATEMENT showing the Financial position of the Port and Marine Funds of the Madras Presidency on the 31st March 1894.

—	Opening balance, 1892–93.			1893–94.								Closing balance, 1893–94.		
	Loan outstanding.	Sums lent (*a*) Government securities (*b*).	Cash balance.	Receipts, Appendix C (i). Cash.	Receipts, Appendix C (i). Adjustments.	Charges, Appendix C (ii). Cash.	Charges, Appendix C (ii). Adjustments.	Surplus +. Deficit —.	Adjustment by the Presidency Port Officer. (*f*) Interest on Loan. Credit.	Adjustment by the Presidency Port Officer. (*f*) Interest on Loan. Debit.	Government securities purchased and received to credit (*c*). Government securities sold and transferred (*d*). Repayment of loan (*e*).	Loan outstanding.	Sums lent (*a*) Government securities (*b*).	Cash balance.
PORT FUNDS.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Act X of 1889.														
Ganjám	— 1,89,400 0 0	..	— 14,015 12 1	19,914 15 10	14,015 12 1	17,067 8 9	..	+ 16,863 3 2	..	(*f*)—7,576 0 0	..	— 1,89,400 0 0	..	— 4,728 8 11
Vizagapatam	..	(*b*) + 90,000 0 0	+ 1,793 12 7	35,742 14 11	..	32,335 4 0	..	+ 3,407 10 11	..	..	(*c*) + 8,000 0 0	..	(*b*) + 98,000 0 0	+ 5,201 7 6
Gódávari	..	(*b*) + 4,000 0 0	+ 9,449 15 7	29,713 8 0	..	28,664 15 2	..	+ 1,048 8 10	..	..	(*c*) + 6,000 0 0	..	(*b*) + 10,000 0 0	+ 10,498 8 5
Kistna	— 6,500 0 0	..	— 34 13 2	14,284 0 1	..	11,446 4 2	..	+ 2,837 11 11	..	(*f*)— 260 0 0	(*e*) + 2,500 0 0	— 4,000 0 0	..	+ 42 14 9
Nellore	..	(*b*) + 8,000 0 0	+ 1,190 4 5	1,423 14 0	..	181 6 3	..	+ 1,242 7 9	..	..	..	..	(*b*) + 8,000 0 0	+ 2,432 12 2
Chingleput	..	(*b*) + 6,000 0 0	+ 585 0 4	766 2 8	..	..	..	+ 766 2 8	..	..	..	..	(*b*) + 6,000 0 0	+ 1,351 3 0
South Arcot	..	(*b*) + 17,000 0 0	+ 3,364 10 5	13,706 6 6	..	13,796 15 6	..	— 90 9 0	..	..	(*c*) + 2,000 0 0	..	(*b*) + 19,000 0 0	+ 3,274 1 5
Tanjore	— 12,100 0 0	..	+ 36 7 10	28,354 12 6	..	22,759 12 3	..	+ 5,595 0 3	..	(*f*)— 484 0 0	(*e*) + 5,100 0 0	— 7,000 0 0	..	+ 47 8 1
Madura	..	..	+ 1,701 2 2	8,329 2 9	..	7,963 1 1	* 1,701 2 2	— 1,335 0 6	..	..	..	..	..	+ 366 1 8
Tinnevelly	..	(*b*) + 55,000 0 0 (*a*) + 70,200 0 0	+ 38,255 2 8	46,738 4 10	(*e*) 70,000 0 0 (*f*) 3,966 10 8	30,510 5 7	‡ 742 13 11	+ 89,450 12 0	(*f*) + 8 0 0	..	(*e*) + 70,000 0 0	..	(*b*) + 55,000 0 0 (*a*) + 200 0 0	+ 1,27,713 14 8
Total	— 2,08,000 0 0	+ 2,50,200 0 0	+ 42,325 14 9	1,98,974 2 1	87,982 6 9	1,64,725 8 9	2,445 0 1	+ 1,19,786 0 0 (*e*)— 70,000 0 0	+ 8 0 0	— 8,320 0 0	+ 93,600 0 0 (*e*) — 77,600 0 0	—2,00,400 0 0	+ 1,96,200 0 0	+ 1,46,199 14 9
	+ 84,525 14 9			2,86,956 8 10		1,67,170 8 10		+ 49,786 0 0	— 8312 0 0		+ 16,000 0 0	+ 1,41,999 14 9		
Malabar	..	(*b*) + 1,90,000 0 0	+ 53,576 15 0	78,172 7 8	..	74,605 6 6	16,500 0 0	— 12,932 14 10	..	..	(*c*) + 30,000 0 0	..	(*b*) + 2,20,000 0 0	+ 40,644 0 2
South Canara	..	(*b*) + 35,000 0 0	+ 6,816 14 0	17,877 14 3	..	14,364 5 11	..	+ 3,513 8 4	..	..	(*c*) + 3,000 0 0	..	(*a*) + 16,500 0 0 (*b*) + 38,000 0 0	+ 10,330 6 4
Total	..	+ 2,25,000 0 0	+ 60,393 13 0	96,050 5 11	..	88,969 12 5	16,500 0 0	— 9,419 6 6 (*a*) + 16,500 0 0	..	..	+ 33,000 0 0	..	+ 2,74,500 0 0	+ 50,974 6 6
	+ 2,85,393 13 0			96,050 5 11	..	1,05,469 12 5		+ 7,080 9 6	..		+ 3,3000 0 0		+ 3,25,474 6 6	
Madras	..	(*a*) + 2,08,000 0 0 (*b*) + 20,000 0 0	+ 57,607 5 6	1,17,042 13 5	10,315 5 11	59,923 8 0	..	+ 67,434 11 4	(*f*) 8,320 0 0	..	(*e*) — 7,600 0 0 (*d*) — 20,000 0 0 (*c*) + 33,900 0 0	..	+ 2,00,400 0 0 + 33,900 0 0	+ 1,40,962 0 10
	+ 2,85,607 5 6			1,27,358 3 4		59,923 8 0		+ 67,434 11 4	+ 8,320 0 0		+ 6,300 0 0 (*e*) + 7,600 0 0		+ 3,75,262 0 10	
											+ 13,900 0 0			
Grand Total	— 2,08,000 0 0	+ 7,03,200 0 0	+ 1,60,327 1 3	4,12,067 5 5	98,297 12 8	3,11,001 0 8	21,562 12 7	+ 1,77,801 4 10 (*e*) + 70,000 0 0 (*d*) + 16,500 0 0	+ 8,328 0 0	— 8,320 0 0	+ 62,900 0 0	— 2,00,400 0 0	+ 7,05,000 0 0	+ 3,38,136 6 1
	+ 6,55,527 1 3			5,10,365 2 1		3,32,563 13 3		+ 1,24,301 4 10	+ 8 0 0		+ 62,900 0 0		+ 8,42,736 6 1	
PILOTAGE FUNDS.														
Act X of 1889.														
Madras	..	+ 83,900 0 0	+ 6,848 9 0	31,516 9 2	..	30,481 5 0	10,315 5 11	— 9,280 1 9	..	..	(*d*) — 33,900 0 0	..	+ 50,000 0 0	— 2,431 8 9
Pamban and Kilakarai	— 70,200 0 0	..	— 6,206 9 6	8,878 6 6	70,000 0 0 * 1,701 2 2 † 3,361 10 5	36,619 5 6	70,000 0 0 (*f*) 3,966 10 8	— 26,644 13 1	..	— 8 0 0	(*e*) + 70,000 0 0	— 200 0 0	..	— 32,859 6 7
Cochin	..	..	+ 18,029 1 6	2,554 10 5	..	15,066 4 2	..	— 12,511 9 9	..	..	(*e*) + 12,000 0 0	..	+ 12,000 0 0	+ 5,517 7 9
Mangalore	..	..	— 3 15 7	256 8 0	..	281 0 0	..	— 24 8 0	..	..	..	..	..	— 28 7 7
LANDING AND SHIPPING DUES.														
Act III of 1885.														
Vizagapatam	..	..	+ 4,941 3 10	6,527 6 5	..	890 14 6	..	+ 5,636 7 11	..	..	..	..	..	+ 10,577 11 9
Cocanada	..	..	+ 18,439 0 7	39,977 4 9	16,500 0 0	19,500 6 5	‡ 2,617 12 6	+ 34,359 1 10	..	..	..	— 16,500 0 0	..	+ 52,798 2 5
Masulipatam	..	..	+ 2,716 9 11	3,956 6 6	..	716 10 5	..	+ 3,239 12 1	..	..	..	..	..	+ 5,956 6 0
Negapatam	..	..	+ 33,701 7 7	13,330 4 8	..	6,363 14 6	..	+ 6,966 6 2	..	..	..	..	..	+ 40,667 13 9
Mangalore	..	..	+ 5,929 6 4	8,157 7 2	..	566 15 4	..	+ 7,590 7 10	..	..	..	..	..	+ 13,519 14 2

* Madura surplus of Ports funds for 1892–93 transferred to Pamban and Kilakarai Pilotage funds.

† Contribution received on account of Dredger *Wenlock* charges.

‡ Contribution paid on account of Dredger *Wenlock* charges.

ABSTRACT of Appendix B.

—	1893–94.								1892–93.		1891–92.	
	Madras.		Eastern Group.		Western Group.		Total.					
	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.	NUMBER.	TONNAGE.
Class of Vessels.												
British .. Coasting steamers..	359	648,771	2,368	3,356,508	1,115	1,598,201	3,842	5,603,480	3,821	5,350,954	3,776	5,235,986
British .. Other vessels ..	217	462,074	240	340,256	37	50,292	494	852,622	493	810,186	541	906,802
Foreign vessels	82	115,399	20	26,510	617	85,704	719	227,613	745	228,525	702	206,049
Native do.	66	7,491	7,403	308,167	12,309	377,000	19,778	692,658	20,673	723,604	19,432	706,855
Total ..	724	1,233,735	10,031	4,031,441	14,078	2,111,197	24,833	7,376,373	25 732	7,113,269	24,451	7,055,692
	RS.		RS.		RS.		RS.		RS.		RS.	
Dues collected.												
British .. Coasting steamers..	39,886		1,00,998		56,701		1,97,585		1,84,536		1,80,348	
British .. Other vessels ..	61,650		27,744		2,394		91,788		83,089		1,02,626	
Foreign vessels	11,242		4,846		8,432		24,520		25,437		21,505	
Native do.	608		10,041		12,438		23,087		26,708		26,171	
Total ..	1,13,386		1,43,629		79,965		3,36,980		3,19,770		3,30,650	

APPENDIX C (i).

STATEMENT showing the Receipts of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94, revised in accordance with the rules published in G.O., No. 24, Marine, dated 27th January 1890.

Districts.	Share of Coasting Steamers' dues.	Other Port dues.	Share of General Administration receipts.	Miscellaneous.	Public Works receipts.	Fees.	Interest.	Repayment of loans, advances and contributions.	Provincial contribution.	Total.
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	16,005 7 0	1,909 1 9	8 8 6	642 9 10	..	1,354 4 9	..	..	14,015 12 1	33,930 11 11
Vizagapatam	23,385 12 8	5,785 4 6	5 6 3	880 0 3	..	1,940 0 4	3,746 6 11	..	..	35,742 14 11
Gódávari	14,064 12 1	12,843 9 6	3 10 7	151 11 3	540 0 0	1,833 9 9	276 2 10	..	..	29,713 8 0
Kistna	9,929 7 8	1,110 0 6	2 4 9	621 8 2	..	2,620 11 0	..	..	..	14,284 0 1
Nellore	136 3 8	47 12 6	0 0 7	920 10 1	..	..	319 3 2	..	..	1,423 14 0
Chingleput	..	..	..	526 12 4	..	..	239 6 4	..	..	766 2 8
Madras	39,885 11 5	70,615 3 8	7 13 9	13,646 5 9	..	3,203 0 9	..	..	..	1,27,358 3 4
South Arcot	7,826 12 10	2,834 14 6	2 2 8	1,489 2 1	..	836 3 10	717 2 7	..	..	13,706 6 6
Tanjore	14,005 3 5	10,340 7 7	4 2 7	658 8 3	..	3,346 6 8	..	..	..	28,354 12 6
Madura	1,802 5 9	3,143 15 9	0 15 8	1,842 1 0	..	1,539 12 7	..	..	..	8,329 2 9
Tinnevelly..	13,272 14 11	4,756 14 3	3 7 5	20,833 5 4	..	2,869 2 11	8,969 2 8	70,000 0 0	..	1,20,704 15 6
Total ..	1,40,314 11 5	1,13,387 4 6	33 8 9	42,212 10 4	540 0 0	19,543 4 7	14,267 8 6	70,000 0 0	14,015 12 1	4,14,314 12 2
Western Group.										
Málabar	45,632 6 4	19,936 5 5	10 12 11	763 1 0	..	3,666 0 0	8,163 14 0	..	..	78,172 7 8
South Canara	11,069 1 7	3,326 14 4	2 10 4	608 9 6	..	1,415 13 11	1,454 12 7	..	..	17,877 14 3
Total ..	56,701 7 11	23,263 3 9	13 7 3	1,371 10 6	..	5,081 13 11	9,618 10 7	..	..	96,050 5 11
Grand Total ..	1,97,016 3 4	1,36,650 8 3	47 0 0	43,584 4 10	540 0 0	24,625 2 6	23,886 3 1	70,000 0 0	14,015 12 1	5,10,365 2 1

APPENDIX C (i–*a*).

STATEMENT showing the *actual receipts* of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	Coasting Steamers' dues.	Other Port dues.	General Administration receipts.	Miscellaneous receipts.	Public Works receipts.	Fees.	Interest.	Repayment of loans, advances and contribution.	Provincial contribution.	Total.
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	16,296 7 6	1,909 1 9	..	642 9 10	..	1,354 4 9	..	..	14,015 12 1	34,218 3 11
Vizagapatam	10,197 12 0	5,785 4 6	..	880 0 3	..	1,940 0 4	3,746 6 11	..	..	22,549 8 0
Gódávari	7,001 10 0	12,843 9 6	..	151 11 3	540 0 0	1,833 9 9	276 2 10	..	..	22,646 11 4
Kistna	4,933 14 0	1,110 0 6	..	621 8 2	..	2,620 11 0	..	..	..	9,286 1 8
Nellore	..	47 12 6	..	920 10 1	..	..	319 3 2	..	..	1,287 9 9
Chingleput	..	..	..	526 12 4	..	..	239 6 4	..	..	766 2 8
Madras	39,885 11 5	70,615 3 8	47 0 0	13,646 5 9	..	3,203 0 9	..	..	..	1,27,397 5 7
South Arcot	5,177 1 0	2,834 14 6	..	1,489 2 1	..	836 3 10	717 2 7	..	..	11,054 8 0
Tanjore	14,771 3 3	10,340 7 7	..	658 8 3	..	3,346 6 8	..	..	..	29,116 9 9
Madura	1,591 11 0	3,143 15 9	..	1,842 1 0	..	1,639 12 7	..	..	..	8,117 8 4
Tinnevelly	40,459 5 3	4,756 14 3	..	20,833 5 4	..	2,869 2 11	8,969 2 8	70,000 0 0	..	1,47,887 14 5
			..							
Total ..	1,40,314 11 5	1,13,387 4 6	47 0 0	42,212 10 4	540 0 0	19,543 4 7	14,267 8 6	70,000 0 0	14,015 12 1	4,14,328 3 5
Western Group.										83,866 4 8
Malabar	51,337 0 3	19,936 5 5	..	763 1 0	..	3,666 0 0	8,163 14 0	..	..	12,170 10 0
South Canara	5,364 7 8	3,326 14 4	..	608 9 6	..	1,415 13 11	1,454 12 7	..	..	
Total ..	56,701 7 11	23,263 3 9	..	1,371 10 6	..	5,081 13 11	9,618 10 7	..	..	96,036 14 8
Grand Total ..	*1,97,016 3 4	1,36,650 8 3	47 0 0	43,584 4 10	540 0 0	24,625 2 6	23,886 3 1	70,000 0 0	14,015 12 1	5,10,365 2 1

	RS.	A.	P.	RS.	A.	P.
* Total of coasting steamers' dues as per abstract statement in Appendix B				1,97,585	7	4
Deduct—						
Refund of coasting steamers' dues, Eastern Group	569	4	0			
Do. do. Western Group	..					
				569	4	0
Total ..				1,97,016	3	4

APPENDIX C (ii).

STATEMENT showing the charges of the Maritime Districts of the Madras Presidency (under Act X of 1889) for the official year 1893–94, revised in accordance with the rules published in G.O., No. 24, Marine, dated 27th January 1890.

Districts.	Share of General Administration charges.	Share of Lighthouse charges.	Establishment.		Contingencies and Miscellaneous.	Public Works charges.	Fees.	Interest.	Repayment of loans, advances and contributions.	Total.
			Port Officers and Conservators.	Other Establishments.						
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.
Ganjám	4,637 10 3	3,744 14 1	3,792 7 8	1,522 3 7	2,257 6 4	503 5 8	609 9 2	..	..	17,067 8 9
Vizagapatam	7,079 2 10	5,716 6 9	5,961 13 11	2,156 1 4	10,132 3 4	163 0 7	1,126 7 3	..	..	32,335 4 0
Gódávari	4,806 3 0	3,880 15 9	5,808 12 6	2,282 5 11	11,120 3 6	62 2 9	704 3 9	..	..	28,664 15 2
Kistna	3,016 15 11	2,436 3 6	2,755 10 3	747 11 9	1,256 7 2	12 4 7	1,220 15 0	..	..	11,446 4 2
Nellore	45 13 10	37 0 7	..	..	98 7 10	..	..	..	..	181 6 3
Chingleput	..	..	..	..	..	..	..	..	..	..
Madras	10,319 15 5	8,333 5 7	10,018 11 10	14,714 5 0	16,304 14 9	232 3 5	..	..	..	59,923 8 0
South Arcot	2,842 13 2	2,295 9 2	840 0 0	1,953 0 0	4,156 7 8	1,430 13 3	278 4 3	..	..	13,796 15 6
Tanjore	5,459 7 10	4,408 8 5	5,763 8 1	1,653 10 10	2,320 1 4	1,790 11 1	1,363 12 8	..	..	22,759 12 3
Madura	1,287 7 8	1,039 10 2	2,629 0 5	490 14 8	3,650 7 9	434 14 8	131 11 11	..	..	9,664 3 3
Tinnevelly	4,546 9 8	3,671 6 0	3,099 8 1	2,411 3 11	1,985 2 11	14,033 0 0	1,507 4 11	..	..	31,254 3 6
Total ..	44,042 3 7	35,564 0 0	40,369 8 9	27,931 9 0	53,281 14 7	18,662 8 0	6,942 4 11	..	..	2,27,094 0 10
Western Group.										
Malabar	14,190 0 6	3,562 13 1	11,810 4 11	5,580 13 9	52,013 8 11	2,342 6 6	1,605 6 10	..	..	91,105 6 6
South Canara	3,469 11 11	871 2 11	3,997 14 8	1,312 0 0	4,014 1 1	395 8 0	303 15 4	..	..	14,364 5 11
Total ..	17,659 12 5	4,434 0 0	15,808 3 7	6,892 13 9	56,027 10 0	2,737 14 6	1,909 6 2	..	..	1,05,469 12 5
Grand Total ..	61,702 0 0	39,998 0 0	56,477 12 4	34,824 6 9	1,09,309 8 7	21,400 6 6	8,851 11 1	..	..	3,32,563 13 3

APPENDIX C (ii-*a*).

STATEMENT showing the actual charges of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	General charges.	Lighthouse charges.	Establishment.		Contingencies and Miscellaneous.	Public Works charges.	Fees.	Interest.	Repayment of loans, advances and contributions.	Total.
			Port Officers and Conservators.	Other Establishments.						
Eastern Group.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.
Ganjám	90 8 0	1,269 3 5	3,792 7 8	1,522 3 7	2,257 6 4	503 5 8	609 9 2	..	..	10,044 11 10
Vizagapatam	334 9 0	2,278 6 9	5,961 13 11	2,156 1 4	10,132 3 4	163 0 7	1,126 7 3	..	..	22,152 10 2
Gódávari	705 0 0	4,557 10 1	5,808 12 6	2,282 5 11	11,120 3 6	62 2 9	704 3 9	..	..	25,240 6 6
Kistna	113 7 0	2,519 7 8	2,755 10 3	747 11 9	1,256 7 2	12 4 7	1,220 15 0	..	..	8,625 15 5
Nellore	54 0 0	2,421 15 6	..	..	98 7 10	..	..	..	..	2,574 7 4
Chingleput	..	5,601 13 11	..	..	..	..	..	..	..	5,601 13 11
Madras	58,495 14 0	6,724 4 1	10,018 11 10	14,714 5 0	16,304 14 9	232 3 5	..	..	..	1,06,490 5 1
South Arcot	130 0 5	526 0 4	840 0 0	1,953 0 0	4,156 7 8	1,430 13 3	278 4 3	..	..	9,314 9 11
Tanjore	168 0 0	1,199 6 5	5,763 8 1	1,653 10 10	2,320 1 4	1,790 11 1	1,363 12 8	..	..	14,259 2 5
Madura	..	948 15 1	2,629 0 5	490 14 8	3,650 7 9	434 14 8	131 11 11	..	..	8,286 0 6
Tinnevelly	119 7 6	7,516 12 9	3,099 8 1	2,411 3 11	1,985 2 11	14,033 0 0	1,507 4 11	..	..	30,672 8 1
Total ..	60,210 13 11	35,564 0 0	40,669 8 9	27,931 9 0	53,281 14 7	18,662 8 0	6,942 4 11	..	..	2,43,262 11 2
Western Group.										
Malabar	1,444 7 5	2,799 2 7	11,810 4 11	5,580 13 9	52,013 8 11	2,342 6 6	1,605 6 10	..	..	77,596 2 11
South Canara	46 10 8	1,634 13 5	3,997 14 8	1,312 0 0	4,014 1 1	395 8 0	303 15 4	..	..	11,704 15 2
Total ..	1,491 2 1	4,434 0 0	15,808 3 7	6,892 13 9	56,027 10 0	2,737 14 6	1,909 6 2	..	..	89,301 2 1
Grand Total ..	61,702 0 0	39,998 0 0	56,477 12 4	34,824 6 9	1,09,309 8 7	21,400 6 6	8,851 11 1	..	..	3,32,563 13 3

APPENDIX C (iii).

STATEMENT showing particulars of General Receipts and Charges of the Maritime Districts in the Madras Presidency (under Act X of 1889) for the official year 1893–94.

Districts.	Receipts.			Charges.								
	Survey and registration of vessels.	Sale of surplus stores.	Total.	Officers of the Administrative Department.	Presidency Port Office establishment.	Contingencies.	Travelling allowance of Officers of the Administrative Department.	Leave allowance of Port Officers.	Miscellaneous.	Pensions and gratuities.	Tide-gauge.		Total.
											Establishment.	Contingencies.	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	..	..	..	..	..	..	..	..	..	90 8 0	..	..	90 8 0
Vizagapatam	..	..	..	..	..	..	..	..	..	334 9 0	..	..	334 9 0
Gódávari	..	..	..	..	..	..	45 0 0	..	..	660 0 0	..	..	705 0 0
Kistna	..	..	..	61 15 0	..	..	11 8 0	..	..	40 0 0	..	..	113 7 0
Nellore	..	..	..	..	..	..	..	..	..	54 0 0	..	..	54 0 0
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..
Madras (Madras Presidency Port Office) ..	..	..	..	..	..	..	..	..	..	18,554 6 5	..	..	18,554 6 5
Madras ..	43 6 0	3 10 0	47 0 0	17,792 13 7	11,131 8 8	2,164 14 0	3,106 0 0	3,718 5 2	*2,027 14 2	..	..	..	39,941 7 7
South Arcot	..	..	..	..	..	..	..	..	..	130 0 5	..	..	130 0 5
Tanjore	..	..	..	..	..	..	..	..	..	168 0 0	..	..	168 0 0
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	119 7 6	..	119 7 6
Malabar	..	..	..	..	..	..	..	..	..	1,434 7 5	..	10 0 0	1,444 7 5
South Canara	..	..	..	..	..	..	..	..	..	46 10 8	..	..	46 10 8
Total ..	43 6 0	3 10 0	47 0 0	17,854 12 7	11,131 8 8	2,164 14 0	3,162 8 0	3,718 5 2	2,027 14 2	21,512 9 11	119 7 6	10 0 0	61,702 0 0

* This sum includes the following special charges :—

	RS. A. P.
Printing and stationery charges	1,007 2 2
Rent of telephone line	174 4 6
Periodicals supplied..	714 10 10
Share of Municipal assessment on Port Office building	125 4 8

APPENDIX C (iv-*a*).

STATEMENT of fees received during 1893–94.

Districts.	Fees levied under Acts.	Overtime fees for Port Officers and Conservators.	Overtime fees for establishments.	Total.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	400 0 0	893 1 4	51 3 5	1,354 4 9
Vizagapatam	379 0 0	1,175 6 0	385 10 4	1,940 0 4
Gódávari	216 2 0	1,410 12 0	206 11 9	1,833 9 9
Kistna	320 12 0	1,960 0 0	339 15 0	2,620 11 0
Nellore	..	..	..	..
Chingleput	..	..	..	..
Madras	1,527 8 0	1,324 0 0	351 8 9	3,203 0 9
South Arcot	445 6 0	112 9 7	278 4 3	836 3 10
Tanjore	929 10 0	2,103 0 0	313 12 8	3,346 6 8
Madura	586 2 0	880 0 0	73 10 7	1,539 12 7
Tinnevelly	334 6 0	2,060 0 0	474 12 11	2,869 2 11
Malabar	946 4 0	2,357 5 7	362 6 5	3,666 0 0
South Canara	800 0 0	560 0 0	55 13 11	1,415 13 11
Total ..	6,885 2 0	14,836 2 6	2,903 14 0	24,625 2 6

NOTE.—Overtime fees for establishment and *full* fees levied on account of Boat Overseer's services at Madras have not been brought to Government accounts in 1893–94. The Chairman, Harbour Trust Board, has been informed that the amount should be credited in full and then redrawn for payment to the parties concerned.

—

APPENDIX C (iv-*b*).

STATEMENT of fees paid during 1893–94.

Districts.	Overtime fees paid to Port Officers and Conservators.	Overtime fees paid to establishments.	Total.
	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	519 8 4	90 0 10	609 9 2
Vizagapatam	751 7 6	374 15 9	1,126 7 3
Gódávari	497 8 0	206 11 9	704 3 9
Kistna	1,045 8 0	175 7 0	1,220 15 0
Nellore	..	..	..
Chingleput	..	..	..
Madras	..	..	..
South Arcot	27 15 5	250 4 10	278 4 3
Tanjore	1,050 0 0	313 12 8	1,363 12 8
Madura	64 2 7	67 9 4	131 11 11
Tinnevelly	1,032 8 0	474 12 11	1,507 4 11
Malabar	1,244 2 9	361 4 1	1,605 6 10
South Canara	232 8 0	71 7 4	303 15 4
Total ..	6,465 4 7	2,386 6 6	8,851 11 1

NOTE.—No charges appeared in Madras as overtime fees collected at that port were not paid into the Treasury and then redrawn. The Chairman, Harbour Trust Board, has been asked to pay into the Treasury *all* fees recovered and then to redraw sums required for disbursement.

APPENDIX C (v).

STATEMENT showing Receipts and Charges of the Marine Funds of the Madras Presidency for 1893–94.

Funds.	Receipts.	Charges.
Landing and Shipping Dues Act III of 1885.	RS. A. P.	RS. A. P.
Vizagapatam	6,527 6 5	890 14 6
Cocanada	56,477 4 9	22,118 2 11
Masulipatam	3,956 6 6	716 10 5
Negapatam	13,330 4 8	6,363 14 6
Mangalore	8,157 7 2	566 15 4
Total ..	88,448 13 6	30,656 9 8
Pilotage Funds (Act X of 1889).		
Madras	31,516 9 2	40,796 10 11
Pámban and Kilakarai	83,941 3 1	1,10,586 0 2
Cochin	2,554 10 5	15,066 4 2
Mangalore	256 8 0	281 0 0
Total ..	1,18,268 14 8	1,66,729 15 3

APPENDIX C (vi-*a*).

PLUS and MINUS entries to be made in Port Fund Receipts (Act X of 1889) for 1893–94 to arrive at the figures given in Appendix C (i).

1	2	3		4	5		6		7
Districts.	Total receipts as per monthly accounts sent to Accountant-General.	Other adjustments.		Net receipts as per Appendix C (i-*a*).	Adjustments of coasting steamers' dues.		Adjustment of general receipts.		Net receipt as per Appendix C (i).
		Add.	Deduct.		Add.	Deduct.	Add.	Deduct.	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	34,218 3 11	..	..	34,218 3 11	16,005 7 0	16,296 7 6	3 8 6	..	33,930 11 11
Vizagapatam	22,549 8 0	..	..	22,549 8 0	23,385 12 8	10,197 12 0	5 6 3	..	35,742 14 11
Godávari	22,646 11 4	..	..	22,646 11 4	14,064 12 1	7,001 10 0	3 10 7	..	29,713 8 0
Kistna	9,845 12 8	..	(*a*) 559 11 0	9,286 1 8	9,929 7 8	4,933 14 0	2 4 9	..	14,284 0 1
Nellore	1,287 9 9	..	..	1,287 9 9	136 3 8	..	0 0 7	..	1,423 14 0
Chingleput	766 2 8	..	..	766 2 8	..	..	..	..	766 2 8
Madras Port Funds (including General Administration)	1,27,397 5 7	..	..	1,27,397 5 7	39,885 11 5	39,885 11 5	7 13 9	47 0 0	1,27,358 3 4
South Arcot	11,054 8 0	..	..	11,054 8 0	7,826 12 10	5,177 1 0	2 2 8	..	13,706 6 6
Tanjore	29,116 9 9	..	..	29,116 9 9	14,005 3 5	14,771 3 3	4 2 7	..	28,354 12 6
Madura	8,117 8 4	..	..	8,117 8 4	1,802 5 9	1,591 11 0	0 15 8	..	8,329 2 9
Tinnevelly	1,47,897 7 5	..	(*a*) 9 9 0	1,47,887 14 5	13,272 14 11	40,459 5 3	3 7 5	..	1,20,704 15 6
Total ..	4,14,897 7 5	..	569 4 0	4,14,328 3 5	1,40,314 11 5	1,40,314 11 5	33 8 9	47 0 0	4,14,314 12 2
Malabar	83,866 4 8	..	..	83,866 4 8	45,632 6 4	51,337 0 3	10 12 11	..	78,172 7 8
South Canara	12,170 10 0	..	..	12,170 10 0	11,069 1 7	5,364 7 8	2 10 4	..	17,877 14 3
Total ..	96,036 14 8	..	..	96,036 14 8	56,701 7 11	56,701 7 11	13 7 3	..	96,050 5 11
Grand Total ..	5,10,934 6 1	..	569 4 0	5,10,365 2 1	1,97,016 3 4	1,97,016 3 4	47 0 0	47 0 0	5,10,365 2 1

Column 3. (*a*) Coasting steamers' dues subsequently refunded and deducted on both sides of the account.
Column 5. Distribution of coasting steamers' dues in proportion to the tonnage entering each district, Madras excepted.
Column 6. Do. of general receipts realized in Madras in proportion to the total tonnage entering each district.

APPENDIX C (vi-*b*).

PLUS and MINUS entries to be made in Port Fund Charges (Act X of 1889) for 1893–94 to arrive at the figures given in Appendix C (ii).

1	2	3		4	5		6		7
Districts.	Total charges as per monthly account sent to Accountant-General.	Other adjustments.		Net charges as per Appendix C (ii-*a*).	Adjustments on account of general charges.		Adjustments of Lighthouse charges.		Net charges as per Appendix C (ii).
		Add.	Deduct.		Add.	Deduct.	Add.	Deduct.	
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjám	9,954 3 10	90 8 0	..	10,044 11 10	4,637 10 3	90 8 0	3,744 14 1	1,269 3 5	17,067 8 9
Vizagapatam	21,818 1 2	334 9 0	..	22,152 10 2	7,079 2 10	334 9 0	5,716 6 9	2,278 6 9	32,335 4 0
Gódávari	24,535 6 6	705 0 0	..	25,240 6 6	4,806 3 0	705 0 0	3,880 15 9	4,557 10 1	2,8664 15 2
Kistna	9,072 3 5	113 7 0	(*a*) 559 11 0	8,625 15 5	3,016 15 11	113 7 0	2,436 3 6	2,519 7 8	11,446 4 2
Nellore	2,520 7 4	54 0 0	..	2,574 7 4	45 13 10	54 0 0	37 0 7	2,421 15 6	181 6 3
Chingleput	5,601 13 11	..	..	5,601 13 11	..	..	..	5,601 13 11	..
Madras .. { Administration	61,702 6 8	..	(*b*) 61,702 6 8	..	..	..	..	..	..
Madras .. { Madras Port Funds ..	47,994 0 5	58,496 4 8	..	1,06,490 5 1	10,319 15 5	58,495 14 0	8,333 5 7	6,724 4 1	59,923 8 0
South Arcot	9,184 9 6	130 0 5	..	9,314 9 11	2,842 13 2	130 0 5	2,295 9 2	526 0 4	13,796 15 6
Tanjore	14,091 2 5	168 0 0	..	14,259 2 5	5,459 7 10	168 0 0	4,408 8 5	1,199 6 5	22,759 12 3
Madura	8,286 0 6	..	..	8,286 0 6	1,287 7 8	..	1,039 10 2	948 15 1	9,664 3 3
Tinnevelly	30,662 9 7	119 7 6	(*a*) 9 9 0	30,672 8 1	4,546 9 8	119 7 6	3,671 6 0	7,516 12 9	31,254 3 6
Total ..	2,45,323 1 3	60,211 4 7	62,271 10 8	2,43,262 11 2	44,042 3 7	60,210 13 11	35,564 0 0	35,564 0 0	2,27,094 0 10
Malabar	76,151 11 6	1,444 7 5	..	77,596 2 11	14,190 0 6	1,444 7 5	3,562 13 1	2,799 2 7	91,105 6 6
South Canara	11,658 4 6	46 10 8	..	11,704 15 2	3,469 11 11	46 10 8	871 2 11	1,634 13 5	14,364 5 11
Total ..	87,810 0 0	1,491 2 1	..	89,301 2 1	17,659 12 5	1,491 2 1	4,434 0 0	4,434 0 0	1,05,469 12 5
Grand Total ..	3,33,133 1 3	(*b*) 61,702 6 8	62,271 10 8	3,32,563 13 3	61,702 0 0	61,702 0 0	39,998 0 0	39,998 0 0	3,32,563 13 3

Column 3. (*a*) Refund of Coasting steamers dues deducted on both sides of the account.
(*b*) General charges as appeared in the District Port Fund accounts.
Column 5. Distribution of general charges according to total tonnage entering each district.
Column 6. Distribution of lighthouse charges according to tonnage of each district in each group.

APPENDIX D.

STATEMENT showing the number of officers and men employed otherwise than in Government vessels in the Port Department under the Government of Madras during the official year 1893–94.

Description of establishment.	Number of officers.	Number of men.	Total annual cost.	Total annual earnings.
1	2	3	4	5
Madras.			RS.	RS.
Port establishment	4	95	51,857	..
Lighthouse establishment	..	7	2,118	..
Divers' establishment	..	2	1,800	..
Marine Police establishment	..	..	4,792	..
Marine dispensary establishment	..	2	2,967	..
Pilotage, Madras	3	27	19,599	31,517
Coast Ports.				
Port Officers and Conservators	16	151	66,569	..
Lighthouses	..	90	19,978	..
Pilotage (Pámban and Kilakarai, Cochin and Mangalore)	2	42	6,119	11,689
Landing and Shipping dues (Cocanada, Vizagapatam, Masulipatam, Negapatam and Mangalore)	..	54	9,861	71,949

APPENDIX E.

STATEMENT showing the various Government vessels, &c., under the Madras Government in the year 1893–94.

Details of vessels.	Tonnage of each vessel and horse-power of engine if a steamer.	Number of officers.	Number of men.	Total annual cost.	Total annual earnings.	Remarks.
1	2	3	4	5	6	7
River-going Vessels.				RS.	RS.	
Steam Dredge "Priestman's"	..	1	10	5,132	..	
Do. "Connemara"	..	..	11	3,932	..	
Steam Launch "Empress"	6¼ tons ..	..	1	396	..	
Steam Tug "Gódávari"	40 tons, eighty-horse power.	..	9	1,573	50 0 0*	* Let out for hire.
Steam Dredge (at Cuddalore)	12 tons, 6 horse power.	1	5	2,015	..	
Steam Dredge "Wenlock"	407 tons, 45 horse power.	2	25	32,420	..	

APPENDIX F.

STATEMENT showing the changes of Masters endorsed on registers of vessels, &c., under Act X of 1841 and the Merchant Shipping Act from 1st April 1893 to 31st March 1894 in the various districts of the Madras Presidency.

District.	Number of vessels on the registers of which changes of Masters have been endorsed.	Amount of fees.	Remarks.
		RS.	
Madras	6	12	
Ganjám	..	..	
Vizagapatam	..	..	
Gódávari	8	16	
Kistna	7	14	
Nellore	..	..	
Chingleput	..	..	
South Arcot	2	4	
Tanjore	43	86	
Madura	29	58	
Tinnevelly	15	30	
Malabar	9	18	
South Canara	60	120	
Total of 1893–94	179	358	
,, of 1892–93	134	268	
Increase	45	90	

APPENDIX G.

STATEMENT showing the number, &c., of vessels registered under Act X of 1841 from 1st April 1893 to 31st March 1894 in the various districts of the Madras Presidency.

Districts.	Total number of vessels.	Total tonnage.	Total amount of fees.
			RS. A. P.
Madras	5	* 636	55 12 0
Ganjám	..	..	..
Vizagapatam	..	..	..
Gódávari	7	1,549	193 10 0
Kistna	7	404	59 12 0
Nellore	..	..	..
Chingleput	..	..	..
South Arcot	7	579	96 14 0
Tanjore	13	1,154	155 12 0
Madura	11	524	78 10 0
Tinnevelly	10	677	102 6 0
Malabar	29	1,282	230 12 0
South Canara	34	804	203 0 0
Total for 1893–94	123	7,609	1,176 8 0
,, for 1892–93	104	7,272	1,144 15 0
Increase	19	337	31 9 0

* One vessel of 190·75 tons was registered *de novo* as her register was more than 10 years old. No difference in tonnage being found on re-measurement, no fee was charged in accordance with G.O., No. 244, Marine, dated 3rd July 1876.

APPENDIX H.

PARTICULARS of changes in the Gazetted Official Staff of the Madras Port Department by absence on leave, deputation, &c., in the official year 1893–94.

Name.	Designation.	Cause and period of absence.	Acting arrangements.
Commander W. J. Powell, R.I.M.	Presidency Port Officer.	Medical leave to Europe for 10 months and 23 days from 17th May 1893 to 10th April 1894.	Commander C. W. Hewett, R.I.M., Acting Deputy Conservator of the Port of Madras, officiated from the 17th May 1893 to the 2nd June 1893, and Commander H. A. Street, R.I.M. from the 3rd June 1893 to 10th April 1894.
Commander C. W. Hewett, R.I.M.	Acting Deputy Conservator of the Port of Madras.	On other duty, *i.e.*, acting as Presidency Port Officer from 17th May 1893 to 2nd June 1893, and furlough to Europe for 1 year commencing from the 26th June 1893.	Mr. H. D. Baddeley, Agent for Government Consignments, acted from 17th May to 2nd June 1823 and from 28th June to 25th August 1893, on which latter date Commander H. B. Simpson, R.I.M., the permanent incumbent, returned to duty.
Commander H. B. Simpson, R.I.M.	Deputy Conservator of the Port of Madras.	One year's furlough to Europe granted on 28th May of the previous year and extended to 25th August 1893.	Commander C. W. Hewett, R.I.M. (*vide* Appendix H of the previous year's report) continued to act up to 27th June 1893, and Mr. H. D. Baddeley, Agent for Government Consignments, acted from 28th June to 25th August 1893.
Mr. H. D. Baddeley ..	Agent for Government Consignments and Personal Assistant to the Presidency Port Officer.	On other duty, *i.e.*, acting as Deputy Conservator of the Port of Madras from 17th May to 2nd June 1893.	His office Manager was in charge.
		On special duty to Calcutta from 13th to 24th June 1893.	Reserve Port Officer, Mr. G. Leverett, acted from 15th June 1893.
		On other duty, *i.e.*, acting as Deputy Conservator of the Port of Madras from 28th June 1893 to 25th August 1893.	Reserve Port Officer, Mr. G. Leverett, acted from 28th June to 16th August 1893, and the Manager, Office of Agent for Government Consignments, was in charge from 17th to 25th August 1893
Mr. G. W. Wicks ..	Port Officer, Coconada.	Nine days' privilege leave from 4th to 12th January 1894.	His office Manager was in charge.
		Privilege leave for 1 month and 20 days from 19th April to 8th June 1893.	Reserve Port Officer, Mr. G. Leverett, acted from 19th April to 30th April 1893 and from 22nd May to 8th June 1893; and Head-quarters Deputy Collector of Godávari was in charge from 1st to 21st May 1893.
Mr. C. S. Johnson ..	Port Officer, Pámban.	Leave out of India on medical certificate for 1 year from the 28th December 1893.	Superintendent of Sea Customs of Pámban was in charge from 28th December 1893 to 9th February 1894 and from 23rd March 1894 to the end of the official year, and Reserve Port Officer, Mr. F. Iceley, acted from 10th February to 22nd March 1894.
Mr. T. H. Baker ..	Port Officer, Tuticorin.	On deputation to Calcutta to bring the pearl fishery vessels, from 1st December 1893 to 16th January 1894.	Superintendent of Sea Customs, Tuticorin, was in charge.
Mr. F. Iceley ..	Reserve Port Officer ..	On deputation to Calcutta to bring the pearl fishery vessels from 9th December 1893 to 16th January 1894. Also acted as Port Officer, Pámban, from 10th February to 22nd March 1894.	

APPENDIX I.

STATEMENT of passengers sailed from the undermentioned ports in the Madras Presidency during the official year 1893–94.

Names of Ports.	Ports bound to: Ports within the Presidency. Adults. Males.	Females.	Children under 12.	Total.	Ports beyond the Presidency but within British India. Adults. Males.	Females.	Children under 12.	Total.	Ports in Burma. Adults. Males.	Females.	Children under 12.	Total.	Ports in Ceylon. Adults. Males.	Females.	Children under 12.	Total.	Ports in Straits Settlements. Adults. Males.	Females.	Children under 12.	Total.	Other Ports. Adults. Males.	Females.	Children under 12.	Total.	Grand Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Gopalpur	443	44	31	518	476	163	108	747	1,495	10	74	1,579	..	..	..	..	..	..	..	..	..	..	..	..	2,844
Calingapatam ..	103	16	15	134	42	11	7	60	3,852	89	349	4,290	..	..	..	..	..	..	..	..	..	..	..	..	4,484
Báruva	2	..	..	2	..	..	..	..	3,914	27	170	4,111	..	..	..	..	..	..	..	..	..	..	..	..	4,113
Bimlipatam ..	321	36	16	373	88	9	8	105	3,441	153	108	3,702	..	..	..	..	..	..	..	..	..	..	..	..	4,180
Vizagapatam ..	374	28	14	416	94	13	15	122	4,091	226	216	4,533	..	..	..	..	..	..	..	..	..	..	..	..	5,071
Cocanada	341	73	27	441	20	3	2	25	9,672	315	340	10,327	..	..	..	..	..	..	..	..	13	2	6	21	10,814
Masulipatam ..	357	80	40	477	2	1	..	3	271	46	31	348	..	..	..	..	..	..	..	..	..	..	..	..	828
Cuddalore	..	2	2	4	..	..	..	..	93	9	16	118	..	..	..	..	..	..	..	..	..	..	..	..	122
Porto Novo ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	389	21	..	410	..	..	..	..	410
Negapatam ..	134	26	26	186	..	..	..	..	13,483	1,405	1,411	16,299	870	86	53	1,009	12,845	1,296	1,071	*15,212	60	16	7	83	32,789
Tranquebar ..	6	8	2	16	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	176	23	58	257	274
Tópputturai ..	4	..	..	4	..	..	..	..	..	..	..	..	2,499	394	54	2,947	..	..	..	..	..	..	..	..	2,951
Muttupet	11	2	..	13	..	..	..	..	..	..	..	..	95	3	..	98	..	..	..	..	..	..	..	..	111
Adirámpatnam ..	16	12	4	32	..	..	..	..	..	..	..	..	145	5	2	152	..	..	..	..	..	..	..	..	184
Ammápatnam ..	26	2	..	28	..	..	..	..	..	..	..	..	21	1	..	22	..	..	..	..	..	..	..	..	50
Kottapatnam ..	..	..	..	..	..	..	..	..	..	..	..	..	43	11	3	57	..	..	..	..	..	..	..	..	57
Pámban	13,140	5,748	9½	18,897½	..	..	..	..	..	..	..	..	21,832	6,843	1,280½	29,955½	..	..	..	..	..	..	..	..	48,853
Kilakarai	511	103	13	627	..	..	..	..	..	..	..	..	140	5	16	161	..	..	..	..	..	..	..	..	788
Devipatam ..	7,874	4,203	260	12,337	..	..	..	..	..	..	..	..	188	20	8	216	..	..	..	..	..	..	..	..	12,553
Tondi	314	4	2	320	..	..	..	..	..	..	..	..	6,766	1,674	670	9,110	..	..	..	..	..	..	..	..	9,430
Tuticorin	531	24	8	563	5	..	..	5	..	..	..	..	26,561	3,939	3,158	33,658	..	..	..	..	..	..	..	..	34,226
Kulasékarapatnam.	64	19	4	87	..	..	..	..	..	..	..	..	689	63	163	915	..	..	..	..	..	..	..	..	1,002
Káyalpatnam ..	25	7	2	34	..	..	..	..	..	..	..	..	7	..	2	9	..	..	..	..	..	..	..	..	43
Cochin	127	12	1	140	32	3	..	35	3	..	..	3	8	..	..	8	..	..	..	..	23	1	5	29	215
Calicut	910	84	43	1,037	209	29	12	250	..	..	..	..	14	2	..	16	..	..	..	..	33	1	2	36	1,339
Badagara	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Kallai	12	14	3	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29
Tellicherrry ..	431	46	11	488	34	4	4	42	..	..	..	..	5	3	2	10	..	..	..	..	..	..	..	..	540
Cannanore	499	103	61	663	47	10	3	60	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	723
Mangalore ..	3,802	923	251	4,976	2,657	655	294	3,606	..	..	..	..	2	..	..	2	..	..	..	..	511	125	70	706	9,290
Kasaragod ..	910	196	53	1,159	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,159
Malpe	1,841	607	405	2,853	1,272	313	161	1,746	..	..	..	..	..	..	..	..	..	..	..	..	516	195	109	820	5,419
Bárkúr	10	..	..	10	26	3	4	27	..	..	..	..	..	..	..	..	..	..	..	..	7	1	..	8	45
Coondapoor ..	1,158	201	135	1,494	1,103	255	85	1,443	..	..	..	..	..	..	..	..	..	..	..	..	163	28	17	208	3,145
Baindoor	25	..	..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
Madras	544	97	50	691	1,007	123	29	1,159	4,126	1,209	477	5,812	68	36	5	109	150	28	7	185	1,810	634	380	2,830	10,786
Total ..	34,867	12,720	1,488½	49,075½	7,109	1,595	732	9,436	44,441	3,489	3,192	51,122	59,954	13,085	5,416½	78,455½	13,384	1,345	1,078	15,807	3,318	1,025	654	4,998	208,894

* Including emigrants 1,746 adults and 91 children.

Grand Total ..	1892–93 ..	264,406
	1893–94 ..	208,894
	Decrease ..	55,512

APPENDIX I—*cont.*

STATEMENT of passengers arrived at the undermentioned ports in the Madras Presidency during the official year 1893–94.

Names of Ports.	Ports arrived from	Ports in Ceylon.				Ports within the Presidency.				Ports beyond the Presidency but within British India.				Ports in Straits Settlements.				Ports in Burma.				Other Port.				Grand Total.
		Adults.			Children under 12.	Adults.			Children under 12.	Adults.			Children under 12.	Adults.			Children under 12.	Adults.			Children under 12.	Adults.			Children under 12.	
		Males.	Females.	Total.		Males.	Females.	Total.		Males.	Females.	Total.		Males.	Females.	Total.		Males.	Females.	Total.		Males.	Females.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Gopalpur ..		603	85	61	749	313	26	23	362	448	3	5	456	..	..	..	..	..	..	..	..	..	..	..	..	1,567
Calingapatam ..		114	9	8	131	159	14	8	181	4,382	58	130	5,070	..	..	..	..	..	..	..	..	..	..	..	..	5,382
Báruva ..		58	4	2	64	..	..	..	..	1,063	17	24	1,104	..	..	..	..	..	..	..	..	..	..	..	..	1,168
Bimlipatam ..		237	46	31	314	99	13	15	127	2,459	122	107	2,688	..	..	..	..	..	..	..	..	..	..	..	..	3,134
Vizagapatam ..		710	81	27	768	174	21	6	201	5,424	68	83	5,575	..	..	..	..	..	..	..	..	..	..	..	..	6,644
Cocanada ..		599	104	50	753	126	14	6	146	7,366	280	197	7,833	..	..	..	..	..	..	..	..	..	..	..	..	8,732
Masulipatam ..		369	102	24	495	5	2	..	7	213	28	16	257	..	..	..	..	..	..	..	..	..	..	..	..	759
Nizampatam ..		..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Cuddalore ..		.. 6	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
Porto Novo ..		..	..	..	..	..	2	..	2	11,032	656	781	12,419	211	27,167	27,167	12	..	..	..	..	..	..	..	..	27,167
Negapatam ..		244	9	1	254	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
Tirumulavásal ..		4	2	1	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,397
Tópputhurai ..		20	20	6	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	350
Muthupet ..		9	..	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,397
Adiráinpatnam ..		14	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	350
Annámpatnam ..		39	..	6	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	397
Kottapatnam ..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	227
Pámban ..		8,921	4,883	17	13,821	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
Kilakarai ..		2,935	1,610	24	4,569	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	37,298
Devipatnam ..		6,773	3,474	196	10,443	..	..	..	..	18,806	4,073	698	23,477	..	..	..	..	..	..	..	..	..	..	..	..	4,775
Tondi ..		278	2	2	282	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,522
Tuticorin ..		2,684	121	64	2,869	18	..	20	..	9,409	1,313	414	11,136	..	..	..	..	..	..	..	..	..	..	..	..	11,448
Kulasékarapatnam ..		164	62	58	284	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47,266
Káyalpatnam ..		14	..	3	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	972
Cochin ..		129	..	11	143	65	20	..	105	4	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	35
Calicut ..		1,075	139	74	1,288	145	20	10	175	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	310
Badagara ..		69	2	2	73	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,479
Kallai ..		8	..	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	73
Tellicherry ..		493	70	22	585	65	6	..	71	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8
Cannanore ..		337	65	11	413	111	19	8	138	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	667
Mangalore ..		4,004	892	376	5,202	2,104	447	274	2,825	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	551
Kasaragod ..		827	179	70	1,076	7	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,850
Kumbla ..		1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,083
Malpe ..		2,061	836	501	3,398	1,618	484	259	2,361	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Mulki ..		4	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,754
Barkúr ..		4	..	..	4	18	..	..	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Coondapoor ..		1,211	245	212	1,668	1,094	246	93	1,433	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	60
Baindoor ..		1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,879
Madras ..		1,181	224	107	1,512	1,283	217	71	1,571	2,167	244	148	2,559	266	40,402	40,402	2,863	7,405	2,563	50,670	12,021	6,863	2,453	72,579	6,087	1
Total ..		36,200	13,164	1,950	51,314	7,426	1,549	775	9,750	63,263	6,863	2,453	72,579	6,087	40,402	40,402	2,863	7,405	2,563	50,670	12,021	6,863	2,453	72,579	6,087	203,807
Grand Total { 1892–93																										207,202
Grand Total { 1893–94																										203,807

APPENDIX J.

STATEMENT showing the particulars of dredging operations at the Port of Cocanada for the official year 1893–94, including the figures of the previous two years.

Particulars.	Previous two years.		1893–94.
	1891–92.	1892–93.	
Priestman's Dredger.			
(*a*) Days working	212	67	172
(*b*) Hours dredging	1,898	421	1,538
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	526 of $59\frac{3}{8}$ and $497\frac{1}{2}$ of $29\frac{7}{10}$ tons.	142 of $59\frac{3}{8}$ and 230 of $29\frac{7}{10}$ tons.	621 of $59\frac{3}{8}$ and 491 of $29\frac{7}{11}$ tons.
(*d*) Tons dredged	$46{,}019\frac{3}{10}$	15,265·8	51,469
(*e*) Cubic yards dredged	34,089	11,308	38,126
(*f*) Average outturn per day	217·17	227·8	299
(*g*) Working expenses per ton	As. 1–11	As. 4–$5\frac{1}{2}$	As. 1–5
Dredger "Connemara."			
(*a*) Days working	223	132	189
(*b*) Hours dredging	1,965	1,165	1,669
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	523 of $59\frac{3}{8}$ and 457 of $29\frac{7}{10}$ tons.	238 of $59\frac{3}{8}$ and 490 of $29\frac{7}{10}$ tons.	636 of $59\frac{3}{8}$ and $495\frac{1}{2}$ of $29\frac{7}{10}$ tons.
(*d*) Tons dredged	$44{,}638\frac{9}{10}$	28,719	52,524
(*e*) Cubic yards dredged	33,066	21,274	38,907
(*f*) Average outturn per day	200·1	217·5	277·9
(*g*) Working expenses per ton	As. 1–9	As. 2–1	As. 1–1

APPENDIX J (i).

STATEMENT showing the particulars of dredging operations at the Port of Cuddalore for the official year 1893–94 including the figures of the previous two years.

Particulars.	Previous two years.		1893–94.
	1891–92.	1892–93.	
(*a*) Days working	119	120	148
(*b*) Hours dredging	884	707	888
(*c*) Barges / Boats loaded, giving number of tons each barge / boat will hold.	$1{,}696\frac{4}{4}$ of 4 tons each.	1,877 of 4 tons each.	$2{,}413\frac{3}{4}$ of 4 tons each.
(*d*) Tons dredged	6,787	7,508	9,655
(*e*) Cubic yards dredged	5,029	5,565	7,152
(*f*) Average outturn per day	57	45	43
(*g*) Working expenses per ton	As. 2–6	As. 4–6	As. 1–7

APPENDIX K.

PARTICULARS of Seamen shipped and discharged at ports in the Madras Presidency under the various Merchant Shipping Acts in the official year 1893–94.

Name of Port.	Europeans.		Asiatics.		Total.	
	Shipped.	Discharged.	Shipped.	Discharged.	Shipped.	Discharged.
Cocanada	..	..	48	63	48	63
Madras	11	3	199	777	210	780
Porto Novo	..	..	71	75	71	75
Negapatam	1	1	349	302	350	303
Tuticorin	..	1	..	..	..	1
Cochin	..	4	24	9	24	13
Tellicherry	..	1	..	..	..	1
Total of year under report ..	12	10	691	1,226	703	1,236
Total of previous year ..	17	60	651	1,132	668	1,192
Increase ..	..	..	40	94	35	44
Decrease ..	5	50	..	..	..	..

APPENDIX L.

STATEMENT showing the number of cargo and other licensed boats at the principal ports in the Madras Presidency at the end of the official year 1893–94.

Name of Ports.	Number of boats serviceable.	Number of boats unserviceable.	Total.
Gopalpur	82	3	85
Calingapatam	97	18	115
Vizagapatam	154	31	185
Bimlipatam	61	96	157
Cocanada	282	6	288
Masulipatam	38	15	53
Cuddalore	108	49	157
Porto Novo	44	7	51
Negapatam	151	39	190
Pámban	94	16	110
Tuticorin	60	3	63
Cochin	113	61	174
Calicut and Beypore	131	21	152
Tellicherry	53	..	53
Cannanore	61	10	71
Mangalore	73	31	104
Total of 1893–94 ..	1,602	406	2,008
,, of 1892–93 ..	1,546	337	1,883
Increase ..	56	69	125
Decrease ..	..	..	..

ADMINISTRATION REPORT of the Office of Agent for Government Consignments, Madras, for the official year 1893–94.

Mr. H. D. Baddeley, Agent for Government Consignments, was on deputation from 17th May to 2nd June 1893 and from 28th June to 25th August 1893.

Mr. G. Leverett, Reserve Port Officer, acted as Agent for Government Consignments from 28th June to 16th August 1893.

Compared with the previous year the quantities of stores dealt with by the Government Consignments Agency have been as follows:—

Landed.

	No. of Packages.	Tons.
1892–93	79,846	5,775
1893–94	56,607	5,077⅓
—	23,239	698⅓

Shipped.

	No. of Packages.	Tons.
1892–93	24,248	2,246⅓
1893–94	29,753	2,353
+	5,505	106⅓

The contractor's rates for landing and removal of stores were slightly lower than the previous year.

The cost of shipping stores exclusive of establishment was precisely the same as last year, viz., As. 14–11 per ton.

The cost of landing averaged As. 14–9 per ton.

The cost of removal including cart-hire was about As. 4–6 per ton.

The following amounts have been recovered on account of stores damaged and lost:—

Rupees 1,699–7–2 from the Steamer Agents.
,, 203–2–7 ,, Landing Contractor.

Losses on account of which responsibility could not be legally fixed on either the Steamer Agents or the Landing Contractor have been as follows:—

One case Ordnance stores ex. S.S. *Coromandel* lost overboard in

	RS.	A.	P.
October 1892, value	698	7	0
Damage to clothing bales ex. S.S. *Rewa*	548	8	6

Appended are two statements showing the quantities of stores landed and shipped during the past three official years:—

Appendix A. Imports.
Appendix B. Exports.

(Signed) H. D. BADDELEY,
Agent for Government Consignments.

MADRAS,
10*th August* 1894.

APPENDIX A.

STATEMENT showing the quantities of Government stores landed during the past three years.

Description.	1891-92.		1892-93.		1893-94.	
	Packages.	Tons.	Packages.	Tons.	Packages.	Tons.
Civil—						
Stamp	2,047	259	1,121	138	2,131	269
Stationery	613	175	1,157	283	1,105	297
Telegraph	38,724	1,300	24,034	921	9,237	506
Police	134	67	168	22	204	44
Press	161	13	152	9	81	11
Prisons	..	..	16	9	6	1
Salt	256	36	143	32	109	24
Survey	..	..	207	8	20	2
Forest	3,178	103	27	13	2	½
Post Office	1,135	99	857	67	780	73
Treasury—						
Copper	5,100	..	1,010	..	835	..
Silver	403	..	282	..	458	..
Paper Currency	32	6	18	..	30	6
Military—						
Clothing	1,981	475	2,324	533	2,146	490
Medical	1,781	542	980	507	1,900	627
Ordnance	15,945	1,006	31,926	1,634	22,857	1,404
Commissariat	5,074	463	6,560	538	2,314	513
Regimental necessaries	261	45	342	57	721	106
Harbour Works	5,735	1,075	..	..	..	..
Port Stores	460	42	515	72	58	8
Public Works Department	19,335	878	6,392	746	10,172	548
Secretariat	51	4	79	8	85	6
Government Gardens	274	39	313	35	122	16
Miscellaneous	1,247	173	1,223	143	1,213	126
Total	103,927	6,800	79,846	5,775	56,607	5,077½

APPENDIX B.

STATEMENT showing the quantities of Government stores shipped during the past three years.

Description.	1891-92.		1892-93.		1893-94.	
	Packages.	Tons.	Packages.	Tons.	Packages.	Tons.
Civil—						
Stamp	220	23	228	24	233	25
Stationery	691	116	780	140	654	118
Telegraph	8,839	1,359	4,336	123	4,953	123
Police	861	66	977	68	926	58
Press	512	51	513	42	478	39
Prisons	68	8	201	23	103	4
Salt	583	41	723	25	732	34
Survey	..	..	458	32	236	20
Forest	34	9	33	4	1	..
Post Office	9	2	1	½	2	1
Treasury—						
Copper	1,001	50	262	..	163	8
Silver	411	..	45	..	95	..
Paper Currency	6	..	14	..	8	..
Military—						
Clothing	1,312	164	1,066	164	924	128
Medical	1,363	180	1,614	239	2,159	325
Ordnance	8,656	828	5,677	707	9,222	834
Commissariat	7,885	814	6,204	581	5,365	556
Regimental Necessaries	37	5	..	..	..	..
Harbour Works	..	..	..	..	..	..
Port Stores	398	37	352	28	37	5
Public Works Department	1,815	43	488	22	3,168	54
Secretariat	..	..	..	..	..	..
Government Gardens	24	3	3	..	11	1
Miscellaneous	502	84	273	24	283	20
Total	35,227	3,883	24,248	2,246½	29,753	2,353

ADMINISTRATION REPORT of the Deputy Conservator of the Port of Madras for the year 1893-94.

The number and tonnage of vessels entering and leaving the port of Madras during the year is shown in the following statement, and shows an increase over the preceding year, both in numbers and tonnage, the tonnage also being greater than in any former year:—

Vessels entered.

	1892-93.		1893-94.	
	No.	Tonnage.	No.	Tonnage.
Steam ships, Mercantile	629	1,110,987	659	1,221,256
Sailing „ „	8	9,070	*8	12,238
„ native craft	74	6,724	67	7,483
Men-of-war Government ships and transports	20	28,952	18	14,224
	731	1,156,233	†752	1,255,201
Increase	21	98,968		

Vessels left.

	No.	Tonnage.
Steam ships, Mercantile	658	1,217,479
Sailing „ „	8	12,238
„ native craft	62	6,457
Men-of-war, &c.	19	14,563
	747	1,250,737

Of the above vessels, 276 were foreign-going and 385 coasting; 8 steam vessels did not enter the harbour.

The revenue amounted to Rs. 1,47,958 against Rs. 1,29,172 for 1892-93, and was obtained from the following sources:—

	RS.
Port funds	1,13,385
Salvage	315
Divers' services	487
Hire of port raft	695
Boat licenses	628
Shipping office fees and fines	1,014
Office fees for overtime	2,177
	1,18,701
Pilotage and boat charges connected	29,257
Total	1,47,958

Artificial Harbour.—Shipping operations have been carried on during the whole of the year with the exception of two days, the 5th and 6th of November 1893, on which dates a cyclone of moderate force, and of which no warning had been received, visited the coast.

The sea on this occasion inside the harbour was comparatively smooth, catamarans and boats making their way about without much difficulty, only one vessel was in the harbour at the time, S.S. "Camorta," which proceeded to sea, but could have remained inside the harbour with safety, a few of the cargo-lighters were driven on the beach.

An examination of the bottom of the harbour was made in September by order of the Harbour Trust Board, and the depths on the south side of the harbour were found to be somewhat less than in 1889.

* NOTE.—6 sailing vessels of 8,437 called for orders only.

† Including { 32 German. 25 Austro-Hungarian. 23 French. 1 American. 2 Norwegian.

Total, Foreign .. 83

Accretion of sand still continues outside the south arm.

A good number of vessels loaded with coal now arrive at the port, and as they take some time to discharge, they occupy berths for a long time, and in this way tend to reduce the number of the available berths for vessels in other trades, but hitherto the harbour has been equal to the requirements, on two occasions only during the year have vessels had to wait for accommodation, native vessels continue to avail themselves of the advantages of the harbour.

The smoothness of the water inside the harbour is almost all that can be desired during the greater portion of the year.

Weather.—The weather has been fine throughout the year, with the exception of three days in November, when a heavy sea prevailed during the cyclone. The warning signals were hoisted twice during the year, on the 11th October and 3rd—6th November.

Accidents and Casualties.—Twenty-six lighters were driven ashore and more or less damaged, one being sunk, and 14 Masulah boats were damaged on the 6th of November by the sea, the lighters being driven ashore most probably by not having sufficient scope of chain out.

One lighter was sunk on the 12th October by a sling of bars of railway iron making a hole in the bottom. Two ships dragged their anchors (stockless ones) two vessels' cables parted and one wire sternfast also parted, one vessel, the S.S. "Elax" touched the ground when being swung into the oil moorings, and one vessel was brought into harbour with her shaft broken.

One man was fatally injured by a sling of cargo falling on him in a lighter alongside the S.S. "Clan Maclean" and died in hospital shortly after being admitted.

A fire occurred on the 27th July in one of the heaps of coal north of the iron pier, but was got under, the port fire-engine assisting to subdue it.

Moorings.—All the moorings have been examined and put in order, new pieces of chain having been put into the moorings of Nos. 1 and 2 buoys. The moorings for the oil vessels have been re-laid, four vessels have used them during the year.

The northern entrance buoy was shifted out on account of the extension of the northern arm beyond its former position.

Boats.—The steam launch indented for on Kiddapore Government Dockyard has not yet been delivered, and the Harbour Masters have had to get through the north-east monsoon as in former years. All the boats on the Port and Pilotage establishment are in good order.

Port Raft.—This method of landing heavy weights is still much used, the raft having been in requisition 47 times, 25 logs were purchased in lieu of others condemned as unserviceable.

Cargo Boats.—The number of lighters on the register is 67, 11 less than last year, Masulah boats have decreased by 3 to 106; the number of water boats has increased to 8 and jolly boats to 25.

A large number of vessels now take water at the port, a better supply at the iron pier head should be provided.

Time Signal.—There were only 8 failures during the year, which is a great improvement on former years.

Life-saving Apparatus.—Quarterly practice has been carried on during the year.

Temporary Pier.—A temporary pier was erected on the south side of the Harbour from the southern arm out of the material used for the port raft, &c., and on two occasions horses were walked ashore, the owners of the horses expressed themselves much pleased with the method, as compared with landing them in Masulah boats. The first attempt to land by means of a floating stage was a failure, the pontoon supporting the centre of the stage not being sufficiently steady.

Though the season of the year was not the most favorable for vessels being taken to a pier at the south side, they lay very steady on each occasion.

Leave.—Commander H. B. Simpson returned from leave on the 26th August and took over charge from Mr. H. D. Baddeley who had acted as Deputy Conservator since the departure of Commander C. W. Hewett on 28th June.

Sunday Work.—The Deputy Conservator's Office was opened on 31 Sundays during the year.

Offices.—The Office of the Deputy Conservator was moved on the 7th March to the old High Court buildings which makes a more convenient office than the former one.

Harbour Masters.—A Boatswain has been added to the Harbour Master's staff to assist the Senior Harbour Master in the superintendence of the buoys and moorings.

One thousand four hundred and sixty-four vessels have been taken out and in the Harbour by the Harbour Masters and the Harbour Syrang.

The S.S. "Elax" touched the ground when swinging to the oil moorings while in charge of Mr. Evans.

The accommodation for the Harbour Masters' boatmen under the Harbour Master's Office has proved a great convenience, no complaints having been made against any of the boatmen for nearly two years of being absent when required or anything else, and is evidently owing to

the fact that they have ample accommodation for taking their meals and other comforts in their new quarters. The services of Mr. Evans and the Boatswain were lent to the Board of Revenue to assist in navigating the Pearl-fishery vessels.

Port Diver.—The Port Diver is still in much request, scarcely a vessel with general cargo enters the Harbour without requiring his services a few hours after mooring, his services have also been called for at the outports during the year, viz., Porto Novo and Cocanada.

Shipping Office.—The number of native seamen engaged at the port shows a considerable increase on last year's figures:—

		NO.
European seamen engaged	11	12
" " discharged	1	
" " sent to jail	1	
" " " hospital	1	
Native seamen engaged	199	974
" " discharged	775	
" " sent to jail	1	
" " " to hospital	1	
Distressed seamen sent Home	5	

The fees and fines collected amounted to Rs. 1,014.

The periodical returns have been forwarded to the Board of Trade and Government of Madras.

(Signed) H. B. SIMPSON,
Commander, R. I. M.,
Deputy Port Conservator, Madras.

MADRAS,
12th April 1894.

ORDER—dated 6th November 1894, No. 426, Marine.

With his letter, dated 15th October 1894, No. 1725–371 G., the Presidency Port Officer submits the Administration Report of the Madras Port Department for the year 1893–94, which also contains the reports of the Agent for Government Consignments and the Deputy Conservator of the Port of Madras.

2. The official staff of the department underwent several changes consequent on the retirement of Messrs. Winckler and Gillham, and the loss, by death, of Mr. Hearsey. A brief account of the orders issued and action taken under various Marine Acts is given at the beginning of the report.

3. The number of shipping casualties fell from 18 in 1892–93 to 16, the most important being the stranding of the S.S. *Ratho* about five miles south-west of the Sacramento Shoal. She was fortunately floated without any apparent damage. This and subsequent strandings in the vicinity have led to orders being issued for the removal of the Hope Island light from its present position to another site at Thirthalmundi from which it can more effectively guard the whole of the shoal. It is satisfactory that no lives were lost by wrecks during the year.

4. The following statement, taken from the figures given on page 21 of the report, contrasts the number and tonnage of the several classes of vessels which entered the ports of the Presidency, together with the amount of dues paid by them during the year, with those for the two preceding years:—

—	Number of vessels.	Tonnage.	Dues paid.
Madras.			RS.
1891–92	815	1,209,800	116,922
1892–93	707	1,125,778	100,626
1893–94	724	1,233,735	113,386
All other Ports.			
1891–92	23,636	5,845,892	213,728
1892–93	25,025	5,987,491	219,144
1893–94	24,109	6,142,638	223,594

Compared with 1892–93, there was a small increase under all heads at Madras. As regards the coast ports, though the number of vessels fell by 916, there was a perceptible rise in the amounts of tonnage and dues.

5. The value of the trade of the port of Madras and the duty levied on it during the year are shown below and compared with the figures for the two preceding years :—

Port of Madras.	Tonnage.	Value of			Duty on		
		Imports.	Exports.	Total.	Imports.	Exports.	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1891–92	1,209,800	69,093,642	44,142,806	11,32,36,448	11,45,575	183	11,45,758
1892–93	1,125,778	59,314,809	51,018,461	11,03,33,270	11,08,308	14,541	11,22,849
1893–94	1,233,735	64,978,552	57,653,455	12,26,32,007	10,73,662	9,741	10,83,403

The trade of the port and its value shows a decided advance, but the duty realized was considerably less than in 1892–93.

6. A reference to the statement on page 4 of the report shows that at coast ports there was a marked increase in the tonnage and the amount of duty paid. The value of the trade, however, declined owing to a large falling off in exports. The value of imports was slightly higher than in 1892–93. Tuticorin, as usual, had the largest trade. The remaining ports retained their customary order, as in the previous year, with the notable exception that Mangalore superseded Tellicherry, the value of its trade being Rs. 1,62,44,321 against Rs. 1,19,82,722.

7. As in previous years, the bulk of the passenger traffic was carried on at Pámban, Tuticorin and Negapatam. The figures were—

	Passengers sailed.	Passengers arrived.
Pámban	48,853	37,298
Tuticorin	34,226	47,256
Negapatam	32,789	27,167

8. The number of vessels registered under Act X of 1841 rose from 104 to 123. The figures for the last three years are as shown below :—

	No. of vessels.	Tonnage.	Fees.
			Rs.
1891–92	100	4,450	1,006
1892–93	104	7,272	1,145
1893–94	123	7,609	1,176

9. The Government is pleased to observe from that portion of the report which relates to "Accounts," that the district port funds in each case closed the year's transactions with a surplus. This is a distinct improvement in many cases. Ganjám had Rs. 2,847 in hand towards its annual payment of Rs. 7,576 as interest on its loan from Madras. The Presidency Port Officer's recommendation that Tinnevelly's large cash balance should be allowed to stand in view to meeting charges on account of the new pier at Tuticorin is approved.

10. No contribution was made by the Madras port fund to the Harbour Trust Board, but the accounts show that a large sum was available at the end of the year for transfer in accordance with G.O., dated 1st April 1893, No. 340-A. The general financial position at the beginning and end of the past official year is exhibited in the following statement :—

—	Coast Ports, Eastern Group.	Coast Ports, Western Group.	Madras.	Grand total.
	Rs.	Rs.	Rs.	Rs.
Opening balance	84,526	2,85,394	2,85,607	6,55,527
Closing ,, ...	1,42,000	3,25,474	3,75,262	8,42,736

11. The financial operations under Act III of 1885 at the ports at which it was in force were satisfactory. The opening and closing balances of the several funds are shown below :—

	Opening balance.	Closing balance.
	Rs.	Rs.
Negapatam	33,701	40,668
Cocanada	18,439	52,798
Mangalore	5,929	13,520
Vizagapatam	4,941	10,578
Masulipatam	2,717	5,956

12. *Pilotage Funds.*—In accordance with G.O., dated 13th February 1894, No. 52, securities of the nominal value of Rs. 50,000 were retained to the credit of the Madras pilotage fund, and the balance of its securities and cash was transferred to the Madras port fund. Owing to the purchase of a steam cutter for the harbour-masters, the pilotage fund closed the year with a small cash deficit of Rs. 2,432, which sum will, as suggested by the Presidency Port Officer, be refunded by the port fund under orders in the Financial Department.

The large deficit in the Pámban pilotage fund was due to expenditure on the dredger *Wenlock*. This matter will be brought to the notice of the Financial Department with reference to paragraph 8 of G.O., dated 13th March 1893, No. 259; and the other financial matters enumerated at pages 7 and 8 of the report will also be dealt with in that department.

13. The report of the Deputy Conservator of the Port of Madras is identical with that submitted with the administration report of the Harbour Trust Board. It was dealt with in G.O., dated 23rd May 1894, No. 185, and calls for no further remarks.

14. The decrease in the landing operations carried out by the Agent for Government Consignments which was noticed in the preceding year continued during that under review. There was, however, an increase in the number and weight of articles shipped.

	Landed. No. of packages.	Tons.
1891–92	103,927	6,800
1892–93	79,846	5,775
1893–94	56,607	5,078
	Shipped.	
1891–92	35,227	3,883
1892–93	24,248	2,246
1893–94	29,753	2,353

15. The Government is pleased to note that the various reports have been considerably curtailed. All unnecessary statistics and information should be rigorously excluded. The administration of the Port Department during the past official year was satisfactory.

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Presidency Port Officer.
,, Chairman, Harbour Trust Board.
,, Chairman, Chamber of Commerce.
,, Financial Department.
,, Public Works Department.
,, Revenue Department.
,, Accountant-General.
Editors' Table.

Exd. A. Raitt.

2091/Jan/95

Govt. of {1894} Madras.

MARINE.

Issued

Recd. Encl.

G.O., 6th November 1894, No. 426.

NOVEMBER.

Madras Port Department.

Reviewing the Administration Report of the —
r the year 1893–94.

No: 2995 W. dt/ 21st Nov/94.

Comm? to S.Es concerned
for information.

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S. Es. I, II, IV, V & VI ○