Public Works (1896) Department.

G.O., No. 1220 W
1221
DATED 7/4/96

[Despatch Abstract.]

Madras Harbour Works.—
Rcvd that the progress
reports &c— for the quarter
ending 31 Decr. 95, be forwarded
for the information of the Govt of India
and the Secretary of State

Forwarded to the Govt of India
12 dy 7/4/96

[P. W. 86.—800—19-8-96.] Despatch to the Secy of State

BACK PAPERS.

G.O.	No.	Department	Date.	G.O.	No	Department.	Date

FURTHER PAPERS.

G.O.	No.	Department	Date.	G.O.	No.	Department.	Date.

No. 1220 W., 7TH APRIL 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From W. AUSTIN, Esq., I.C.S., Chairman, Harbour Trust Board, Madras, to the Joint Secretary to Government, Marine Department, dated 6th March 1896, No. 4689.

I have the honour to submit, for the information of Government, the usual quarterly report for the period October—December 1895, also departmental reports from the Board's Engineer and the Traffic Manager.

2. At the north arm of the harbour the capping was continued shoreward, and advanced by 619 feet; at the south arm 1,228 feet of capping were added. Ten screw moorings were put down inside the harbour, and nine anchor moorings were removed.

3. The shoaling of the sea bed to the south and south-east of the harbour apparently continues steadily; there has been the usual small temporary erosion immediately to the south of the south arm, due to the north-east monsoon; but the Engineer reports that the accumulation of sand has extended as far south as two and-a-half miles from the harbour, and has there advanced eastward by 50 feet since December 1894.

4. It would appear, therefore, that the whole mass of sand, which moves northwards for the greater part of the year, is banking up against the south arm and extending seaward over the sea bottom; the entrance to the harbour is reported to be perceptibly shoaling, being at the end of December 1895, 4 or 5 inches shallower than three months previously, although the Engineer expected that after the north-east monsoon it would be deeper.

5. I need not now enter into any comparison, in detail, of the variations in goods exported and imported; full particulars are given in the Traffic Manager's returns. The ultimate result for the nine months can be summarised by a glance at the cash receipts. Harbour dues upon the pier and beach on account of *Imports* are Rs. 33,473 more during the nine months from 1st April to 31st December, as compared with the same period in 1894–95, and this represents an increase in tonnage amounting to + 44,637 tons. Pier and beach *Exports*, on the other hand, have paid dues, Rupees 5,594 less, equal to a tonnage of — 7,458 tons; a net gain of about 37,000 tons. The larger landings of coal account for 21,644 tons, or nearly half the increased tonnage imported, and iron comes next with an increase of 9,500 tons.

ENCLOSURES.

MADRAS Harbour Trust—Statement of Receipts and Charges from 1st April to 31st December 1895.

	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Opening balance—									
Government securities (par value Rs. 3,80,000)			...	3,66,163	14	10			
1. Cash in the Bank of Madras ...	3,86,276	15	9						
2. General cash in office	376	14	1						
3. Advance for contingencies ...	500	0	0						
				3,87,153	13	10			
							7,53,317	12	8

Receipts.

	RS. A. P.	RS. A. P.	RS. A. P.
I. Contributions from Port funds ...	...	...	33,900 0 0
II. Beach imports: Dues under section 45 (*a*) I (i), (ii), (iii)	1,38,127 14 2		
Pier do. do. do. ...	51,159 3 3		
Beach exports do. do. ...	21,742 5 4		
Pier do. do. do. ...	33,086 4 10		
Wharfage do. do. II	5,391 15 0		
Cranage do. do. III	32,289 15 0		
Storage do. do. IV	945 13 9		
Demurrage do. do. V	431 7 2		
Dues for entry of vehicles under section 45 (*c*) VI	10,292 12 11		
Provisions: Dues on under section 45 (*a*) I (i)	441 10 0		
Rent of properties	523 6 2		
Water: Charge for—delivered at pier head	3,561 4 0		
Penalties under section 84	...		
Sundries	...		
		2,97,993 15 7	
III. Porterage under sec. 45 (*a*) I (iv)—			
Beach	49,114 7 10		
Pier	27,472 9 7		
Miscellaneous	10 14 0		
		76,597 15 5	
			3,74,591 15 0
IV. Interest on Government of India 3½ per cent. promissory notes ...	...	...	10,350 10 5
Amount refunded from Construction funds in repayment of advances made from time to time from Revenue account from 1st March to 6th May 1895	...	...	79,000 0 0
		Total ...	12,51,160 6 1

Charges.

I. Interest (under section 30) ...	...	2,27,607 4 10	
II. Repayment of loan for construction of harbour under section 31 ...	...	1,00,000 0 0	
			3,27,607 4 10
III. Refunds	1,532 9 11		
IV. Fees to trustees	4,980 0 0		
V. Chairman's allowance	3,600 0 0		
		10,112 9 11	
VI. Establishment—			
1. Secretary's salary	7,200 0 0		
2. Correspondence department ...	2,728 0 10		
3. Accounts department ...	4,935 1 10		
4. Cash department	3,687 12 5		
5. Traffic department (Shore staff).	23,523 15 3		
6. Preventive service	8,255 12 5		
7. Do. boatmen ...	891 3 0		
8. Tidal observatory	270 0 0		
9. Exchange compensation allowance	2,592 13 11		
10. Contribution to Government for pensions	608 15 3		
11. Contribution to Provident fund.	90 7 9		
		54,784 2 8	
VII. Contingencies—			
(*a*) Subject to regular audit—			
Postage	42 11 2		
Receipt stamps	173 3 0		
Telegrams	4 13 0		
Furniture	121 7 9		
Fees for audit	1,000 0 0		

Charges—cont.

	RS. A. P.	RS. A. P.	RS. A. P.
VII. Contingencies—			
(*a*) Subject to regular audit—			
Law charges	23 4 0		
Stationery and printing ...	2,460 3 0		
Advertisement charges ...	75 0 0		
Uniform for Preventive service, &c.	1,278 14 0		
		5,179 7 11	
(*b*) Admissible without detailed audit—			
Overtime fees to establishment.	3,216 11 0		
Do. to Preventive service and boatmen	2,314 1 3		
Miscellaneous	2,900 9 11		
		8,461 6 2	
VIII. Petty construction and repairs—			
New works	5,460 13 2		
Repairs	4,003 4 7		
Tools and plant	...		
		9,464 1 9	
			88,001 12 5
IX. Porterage—			
1. Coolies, beach	32,465 0 8		
2. Do. pier	12,678 6 0		
3. Do. custom-house	9,355 0 4		
4. Coasting cargo	1,017 9 1		
5. Cart-hire	555 8 3		
6. Engine charges	2,804 9 3		
7. Steam crane charges	1,625 13 5		
8. Refunds	3,954 10 1		
9. Claims for losses and damage of cargo	1,879 11 4		
10. Provident fund deductions from coolies' wages	871 2 10		
11. Provident fund contributions by the Trust	871 2 10		
		68,078 10 1	
(*a*) Contingencies subject to regular audit—			
Postage	...		
Receipt stamps	0 3 0		
Telegrams	...		
Furniture	97 2 0		
Tarpaulins	1,471 0 0		
Law charges	...		
Stationery and printing ...	417 9 2		
Advertisement charges ...	...		
Lighting pier and yards ...	1,402 6 9		
		3,388 4 11	
(*b*) Contingencies admissible without detailed audit—			
Miscellaneous	...	963 15 8	
			72,430 14 8
X. Advances to construction account	...	...	3,09,095 13 7
Total, Expenditure ...	...	...	7,97,135 13 6
Closing balance on the 31st September 1895—			
Government securities (par value Rs. 4,13,900)	...	4,00,063 14 10	
Cash in the Bank of Madras ...	51,311 10 4		
General cash in office	2,148 15 5		
Advance for contingencies	500 0 0		
		53,960 9 9	
			4,54,024 8 7
		Total ...	12,51,160 6 1

N.B.—These balances exclude Rs. 500 with the Traffic Manager for meeting daily porterage charges and Rs. 15 with the Cashier for meeting charges on account of postage and receipt stamps.

(Signed) H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

COMPARATIVE statement of receipts and charges of the Madras Harbour Trust, under Act II of 1886 for nine months ending 31st December 1894 and 1895.

Items.	Actuals from 1st April to 31st December 1894.	Actuals from 1st April to 31st December 1895.	Plus or minus.
REVENUE ACCOUNT.	RS.	RS.	RS.
Opening balance	11,68,742	7,53,318	— 4,15,424
Receipts.			
I. Contributions from Port funds	57,607	33,900	— 23,707
II. Beach imports: Dues under sec. 45 (*a*) I (i), (ii), (iii)	1,09,890	1,38,128	+ 28,238
Pier do. do. do. ...	45,924	51,159	+ 5,235
Beach exports do. do. ...	23,874	21,742	— 2,132
Pier do. do. do. ...	36,548	33,086	— 3,462
Wharfage do. II ...	4,120	5,392	+ 1,272
Cranage do. III ...	31,671	32,290	+ 619
Storage do. IV ...	1,025	946	— 79
Demurrage do. V ...	362	431	+ 69
Dues for entry of vehicles under sec. 45 (*c*) VI.	8,948	10,293	+ 1,345
Provisions: Dues on—under sec. 45 (*a*) I (i)...	465	442	— 23
Rent of properties	504	523	+ 19
Water: Charge for—delivered at pier head ...	3,475	3,561	+ 86
Penalties under section 84	...	...	...
Sundries	...	...	...
III. Porterage under section 45 (*a*) I (iv) ..	...	...	...
Beach	45,818	49,114	+ 3,296
Pier	23,270	27,473	+ 4,203
Miscellaneous	131	11	— 120
IV. Interest on Government of India 3½ per cent. promissory notes	27,701	10,351	— 17,350
Amount refunded from Construction funds in repayment of advances made from time to time from Revenue Account	31,000	79,000	+ 48,000
Total, Receipts ...	4,52,333	4,97,842	...
Total, including the opening balance ...	16,21,075	12,51,160	...
Charges.			
I. Interest (under section 30)	2,22,913	2,27,607	+ 4,694
II. Repayment of loan for construction of harbour under section 31	1,00,000	1,00,000	...
III. Refunds	655	1,533	+ 878
IV. Fees to trustees	4,620	4,980	+ 360
V. Chairman's allowances	3,600	3,600	...
VI. Establishment—	7,200	7,200	...
1. Secretary's salary	2,683	2,728	+ 45
2. Correspondence department	4,974	4,935	— 39
3. Accounts department	3,495	3,688	+ 193
4. Cash department	20,806	23,524	+ 2,718
5. Traffic department (Shore staff) ...	9,271	8,256	— 1,015
6. Preventive service	895	891	— 4
7. Do. boatmen	30	270	+ 240
8. Tidal observatory	3,540	2,593	— 947
9. Exchange compensation allowance ...	623	609	— 14
10. Contribution to Government for pensions.	60	90	+ 30
11. Do. to Provident fund ...			
VII. Contingencies—			
(*a*) Subject to regular audit—	47	43	— 4
Postage	156	173	+ 17
Receipt stamps	27	5	— 22
Telegrams	131	121	— 10
Furniture	...	1,000	+ 1,000
Fees for audit	31	23	— 8
Law charges	2,950	2,460	— 490
Stationery and printing	230	75	— 155
Advertisement charges	1,442	1,279	— 163
Uniform for Preventive service, &c. ...			

Comparative Statement of Receipts and Charges of the Madras Harbour Trust, &c.—*cont.*

Items.	Actuals from 1st April to 31st December 1894.	Actuals from 1st April to 31st December 1895.	Plus or minus.
	RS.	RS.	RS.
VII. Contingencies—*cont.*			
(*b*) Admissible without detailed audit—	3,364	3,247	— 117
Overtime fees to establishment ...			
Do to Preventive service and boatmen	2,484	2,314	— 170
Miscellaneous	2,581	2,901	+ 320
VIII. Petty construction and repairs—	8,993	5,461	— 3,532
New works	8,342	4,003	— 4,339
Repairs	887	...	— 887
Tools and plant			
IX. Porterage—	28,316	32,465	+ 4,149
1. Coolies, beach	12,273	12,678	+ 405
2. Do. pier	7,322	9,355	+ 2,033
3. Do. custom-house	1,175	1,018	— 157
4. Coasting cargo	...	555	+ 555
5. Cart hire	1,836	2,805	+ 969
6. Engine charges	1,798	1,626	— 172
7. Steam crane charges	3,657	3,955	+ 298
8. Refunds	679	1,886	+ 1,201
9. Claims for losses and damage of cargo ...			
10. Provident Fund deductions from coolies' wages	810	871	+ 61
11. Provident Fund contributions by the Trust.	810	871	+ 61
(*a*) Contingencies subject to regular audit—	...	...	...
Postage	2	...	— 2
Receipt stamps	...	...	...
Telegrams	29	97	+ 68
Furniture	1,226	1,471	+ 245
Tarpaulins	...	...	...
Law charges	312	418	+ 106
Stationery and printing	...	...	...
Advertisement charges	...	1,402	+ 6
Lighting pier and yards	1,396		
(*b*) Contingencies admissible without detailed audit—	2,209	964	— 1,245
Miscellaneous	31,000	3,09,096	+2,78,096
X. Advances to construction account			
Total Expenditure ...	5,11,880	7,97,136	...
Closing Balance ...	11,09,195	4,54,024	...
Total, including the Closing Balance ...	16,21,075	12,51,160	...

(Signed) H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

I.—STATEMENT of Goods imported from Foreign Ports.

—	Packages.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Apparel and effects.	Packages ..	1,347	1,068	1,017	985	632	646	+ 14
Alum	Barrels ..	326	686	910	773	648	567	— 81
Asphalte, tar and pitch	Casks ..	4,439	2,329	2,638	2,493	1,738	2,117	+ 379
Acids	Cases ..	1,854	1,408	1,560	2,151	1,578	773	— 805

I.—Statement of Goods imported from Foreign Ports—*cont.*

—	Packages.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Arms and guns ..	Cases ..	442	221	250	93	65	55	— 10
Arrack	Casks ..	884	833	1,031	1,218	892	1,067	+ 175
Blankets ..	Bales ..	119	168	28	55	45	37	— 8
Beef and pork ..	Cases ..	36	..	..	..	..	..	..
Bricks	100 ..	1,021	551	1,550	900	858	450	— 408
Beer	Cases ..	6,123	8,710	7,013	5,408	3,715	5,491	+ 1,776
	Barrels ..	1,140	1,707	1,401	1,800	1,501	679	— 822
	Hogsheads ..	6,808	8,210	4,310	6,743	4,561	7,038	+ 2,477
Boiler	No. ..	51	32	48	25	17	25	+ 8
Corks	Bundles ..	88	72	50	60	44	45	+ 1
Canvas	Bales ..	121	193	615	148	66	98	+ 32
Candles	Cases ..	16,637	31,017	27,463	28,458	20,066	29,440	+ 9,374
Colours	,, ..	3,838	3,286	2,998	3,999	2,271	2,563	+ 292
Confectionery, provisions and oilman stores ..	,, ..	23,395	22,129	20,829	16,508	12,292	15,276	+ 2,984
Crockery and glassware.	Crates and casks ..	4,538	3,817	5,300	3,627	2,015	4,268	+ 2,253
Chalk ..	Barrels ..	370	140	134	366	50	630	+ 580
	Tons ..	..	..	..	30	30	..	— 30
Cement	Casks ..	14,522	7,369	8,904	10,235	5,559	6,569	+ 1,010
Cast-iron pipes and tubes	Tons ..	335	1,436	989	1,472	1,182	3,629	+ 2,447
Camphor ..	Tubs ..	4,739	4,349	5,765	5,523	3,854	2,849	— 1,005
Coal	Tons ..	33,686	49,508	58,179	76,851	58,705	75,426	+ 16,721
Coke	,, ..	578	778	1,018	896	569	861	+ 292
Fuel	,, ..	..	2,953	..	..	..	50	+ 50
Crackers	Cases ..	470	840	327	975	975	1,028	+ 53
Copper-plates and tiles	No. ..	4,802	521	7,260	4,096	2,589	5,417	+ 2,828
Corrugated iron ..	Packages ..	805	2,512	2,688	3,234	1,369	5,834	+ 4,465
Dynamite ..	Cases ..	13,040	8,035	10,598	9,426	5,403	10,596	+ 5,193
Earthenware ..	Crates ..	2,318	1,886	2,168	1,492	854	2,566	+ 1,712
Fire clay ..	Casks ..	2,768	272	312	454	82	84	+ 2
Flour	Bags and barrels ..	1,317	821	1,251	1,348	1,084	512	— 572
Flannel	Bales ..	54	30	64	23	8	38	+ 30
Gunpowder ..	Packages ..	6,667	5,987	5,883	3,384	3,168	1,344	— 1,824
Harmonium ..	Cases ..	30	27	24	15	11	6	— 5
Hardware ..	Cases and casks ..	8,234	6,783	8,189	11,532	8,333	17,862	+ 9,529
Hops	Packages ..	129	64	297	287	202	300	+ 98
Iron	Tons ..	13,737	17,929	18,627	10,863	5,839	15,288	+ 9,449
Iron-safes ..	No. ..	296	150	167	56	41	54	+ 13
Kerosine-oil	Cases ..	397,862	251,320	342,671	343,365	166,395	2	— 166,393
	Tons ..	..	3,361	5,455	7,899	6,299	9,658	+ 3,359
Malt	Bags ..	445	407	22	56	56	2	+ 54
Millinery and haberdashery ..	Cases ..	1,609	1,566	1,370	1,881	1,496	1,475	— 21
Matches ..	,, ..	10,665	9,125	8,927	8,140	6,304	5,227	— 1,077
Machinery ..	Tons ..	3,099	3,241	4,817	3,603	2,671	1,989	— 682
Nails	Kegs ..	13,744	10,547	14,022	11,948	7,478	13,775	+ 6,297
Oil and turpentine.	Drums ..	7,225	15,500	4,581	4,021	2,976	3,129	+ 153
Piece-goods	Cases ..	85,079	51,551	57,676	78,435	50,876	21,273	— 12,919
	Bales ..		18,664	24,071	29,432	18,513	16,684	
Twist	,, ..						15,595	— 2,918
Paper	,, ..	6,546	5,518	6,038	4,435	3,094	3,294	+ 200
Piano	No. ..	153	99	112	49	37	76	+ 39
Printing types ..	Cases ..	492	727	346	231	144	186	+ 42
Pig lead ..	No. ..	2,198	1,098	2,612	629	288	760	+ 472
Paint	Kegs ..	7,758	10,257	5,770	8,436	5,269	5,240	— 29
Rattan	Bundles, ..	3,823	5,669	2,362	4,519	1,677	1,315	— 362
Rails	No. ..	..	..	..	..	..	3,891	+ 3,891
Soaps	Cases ..	1,650	970	2,172	1,050	669	912	+ 243
Salt	,, ..	383	329	153	458	315	235	— 80
Steel	Cases and casks ..	864	3,343	794	395	238	157	— 81
Steel bundles and bars	No. ..	11,261	10,401	10,768	8,905	6,183	17,408	+ 11,225
Steel hoops ..	Bundles ..	5,567	1,597	4,930	2,439	1,855	6,939	+ 5,084
Shovels ..	,, ..	275	499	29	127	39	..	— 39
Sodawater bottles ..	Crates ..	1,395	1,768	1,570	2,155	1,545	1,480	— 65
Sulphur	Casks ..	752	435	1,128	10	10	357	+ 347
Shot	Kegs ..	177	56	248	130	108	169	+ 61
Sundries ..	Packages ..	48,408	33,606	56,235	53,125	40,647	40,149	— 6,498
Specie	No. ..	1,229	888	768	612	441	504	+ 63
Sugar	Bags ..	2,152	1,196	4,198	1,527	81	1,211	+ 1,130
Stationery ..	Cases ..	1,242	848	1,333	2,939	1,905	3,054	+ 1,149
Spelter	Cakes ..	836	8,786	22,921	4,013	3,128	3,290	+ 162

I.—Statement of Goods imported from Foreign Ports—*cont.*

—	Packages.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Saw	Cases ..	70	48	79	36	10	38	+ 28
Twine and rope ..	Bales and coils ..	438	455	458	862	138	131	— 7
	Boxes ..	5,608	4,649	6,669	4,389	3,203	3,175	— 28
Tin plates ..	No. ..	..	..	..	2,496	1,474	2,514	+ 1,040
Tin slabs ..	Tons ..	..	..	..	..	..	3,367	+ 3,367
Timber ..	Packages ..	..	..	..	5,370	5,231	2,288	— 2,943
Tramway materials.	Tons ..	..	..	..	202	87	..	— 87
	Cases ..	37,877	44,739	36,048	36,519	22,618	27,827	— 5,209
Wine and spirits.	Casks ..	863	658	514	713	541	1,072	+ 531
	Puncheons ..	369	733	1,058	139	100	74	— 26
	Cases ..	5,972	12,000	10,425	8,053	5,178	4,843	— 335
Window glasses ..	Kegs ..	681	951	737	715	631	657	+ 26
White and red lead.	Cases ..	3,076	3,361	2,784	3,275	2,270	1,923	— 347
Yellow metal ..	Packages ..	2,749	1,690	1,761	1,342	1,119	136	— 983
Zinc sheets ..	No. ..	816	959	835	709	679	649	— 30
Horses	,, ..	70	112	131	208	109	164	+ 55
Ponies	,, ..	59	15	7	7	7	9	+ 2
Cows	,, ..	13	14	3	45	45	..	— 45
Dogs	,, ..	10	7	6	4	4	2	— 2
Elephants ..	,, ..	..	8	9	9	7	25	+ 18
Carriages ..	,,							

II.—Statement of Stores imported by the Madras Railway Company.

—	Packages.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Stores ..	Packages ..	82,105	72,434	47,040	8,915	7,356	7,889	+ 533
	Tons ..	3,605	499	156	1,173	901	371	+ 530
Fuel	,, ..	..	..	..	..	..	..	..
Coke	,, ..	1,437	544	716	703	703	1,562	+ 859
Coal	,, ..	27	300	237	2,948	2,948	1,617	— 1,331
Timber ..	,, ..	2,477	2,083	1,448	1,364	853	6,406	+ 5,553
Fire bricks ..	100 ..	115	330	..	75	75	50	— 25
Boiler	No. ..	..	..	..	6	4	10	+ 6
Rails	,, ..	..	..	..	..	..	10,441	— 10,441

III.—Statement of Stores imported by the South Indian Railway Company.

—	Packages.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Stores ..	Packages ..	68,282	22,171	28,640	13,933	13,349	4,447	— 8,902
	Tons ..	..	..	992	113	..	596	+ 596
Coke	,, ..	14	..	..	..	..	..	..
Coal	,, ..	..	..	..	..	..	..	..
Timber ..	,, ..	..	..	..	..	..	..	..
Boiler	No. ..	4	12	10	1	1	..	— 1
Fire bricks ..	100 ..	..	..	..	190	160	200	+ 40

IV.—Statement of Goods imported from Coast Ports.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Apparel and effects.	Packages ..	451	343	527	520	411	435	+ 24
Alum	Barrels ..	10	187	7	149	144	12	— 132
Acids	Cases ..	89	125	269	305	276	64	— 212
Animals	No. ..	..	10	..	9	9	..	— 9
Arms and guns ..	Cases ..	45	12	13	10	10	2	— 8
Boilers	No. ..	2	..	..	..	..	..	..
Bricks and tiles ..	100 ..	1,396	57	837	852	603	144	— 459
Coffee	Bags ..	379	595	575	476	434	282	— 152
Candles	Cases ..	..	..	11	1	1	13	+ 12
Colours	,, ..	1,225	1,531	1,591	1,244	1,012	864	— 148
Crockery and glassware	,, ..	322	466	426	1,233	921	423	— 498
Coal	Tons ..	13,249	13,792	22,152	17,556	15,905	19,989	+ 4,084
Carpets	Bales ..	77	94	99	95	76	50	— 26
Camphor and benjamin	Tubs ..	682	1,306	432	1,060	801	705	— 96
Copra	Bags ..	32	..	122	68	68	253	+ 185
Crackers ..	Cases ..	..	..	..	2	2	..	— 2
Copper	,, ..	1,667	936	557	10	10	433	+ 423
Do. ..	Tiles and ingots ..	96	421	2,180	3,755	3,585	1,179	— 2,406
Cutch and lac ..	Packages ..	4,415	3,191	3,554	5,208	3,867	3,987	+ 120
Cast iron tubes and pipes ..	Tons ..	..	..	..	61	27	208	+ 181
Earthenware ..	Crates ..	392	2,941	407	271	202	1,486	+ 1,284
Do. ..	Pipes ..	2,626	6,315	950	182	156	3,892	+ 3,736
Firewood ..	Tons ..	..	..	..	..	..	1,524	+ 1,524
Flour	Bags and barrels ..	7,248	11,682	12,270	18,641	13,498	13,599	+ 101
Gunnies ..	Bales ..	7,930	9,661	9,755	11,341	7,994	6,082	— 1,912
Gram and peas, &c.	Bags ..	271,682	380,145	395,249	264,890	222,945	265,404	+ 42,459
Garlic	,, ..	2,945	1,215	6,007	7,495	7,159	4,169	— 2,990
Hardware ..	Cases ..	641	1,197	1,507	2,920	1,889	1,386	— 503
Horns	Bundles ..	880	980	511	856	725	498	— 227
Hides	Bales ..	6,127	9,539	6,013	6,896	4,980	5,041	+ 61
Iron	Tons ..	231	293	155	202	156	236	+ 80
Iron-safes ..	No. ..	31	38	34	18	13	13	..
Kerosine-oil ..	Cases ..	..	..	500	..	..	2,643	+ 2,643
Leaves	Bundles ..	6,508	3,742	5,113	4,393	2,491	4,634	+ 2,143
Liquor	Cases ..	..	..	2,193	2,071	1,409	2,565	— 1,156
Machinery ..	Tons ..	158	79	49	202	195	14	— 181
Millinery and haberdashery ..	Cases ..	208	245	144	371	259	200	— 59
Oil and turpentine.	Drums ..	8,340	6,369	5,941	5,829	4,573	4,984	+ 411
Paddy	Bags ..	..	75,980	23,737	19,988	5,163	16,727	+ 11,564
Piece-goods	Cases ..	3,802	4,756	3,499	4,814	3,805	1,480	— 1,166
	Bales. ..	3,128	4,898	5,420	7,962	5,708	1,159	
Paper	,, ..	224	693	247	277	243	6,557	+ 849
Paint	Kegs ..	15	12	5	8	6	286	+ 43
Piano	No. ..	1,147,048	205,176	110,181	111,384	80,721	..	— 6
Rice	Bags ..	1,434	1,815	1,357	1,594	1,383	74,806	— 5,915
Rose-water ..	Cases ..	30,406	25,747	13,916	12,061	10,514	1,847	+ 464
Seeds	Bags ..	6,199	50,502	6,807	7,108	5,446	15,580	— 5,066
Skins	Bales ..	1,051	699	290	488	423	4,864	— 582
Silk	,, ..	143	121	42	265	218	581	+ 158
Sandalwood ..	Bundles ..	1,381	866	1,333	2,686	1,897	100	— 118
Sugar	Bags ..	202	190	193	124	25	1,527	— 370
Specie	No. ..	47,533	47,137	48,614	52,303	39,574	46	+ 21
Sundries ..	Packages ..	445	40	147	863	675	36,462	— 3,112
Soap	Cases ..	471	544	506	295	295	605	— 70
Sulphur ..	Casks ..	359	740	640	944	765	508	+ 213
Spice	Packages ..	..	..	..	184	124	785	+ 20
Stationery ..	,, ..	..	..	..	241	1,651	215	+ 91
Sodawater bottles.	Crates ..	..	..	..	..	..	1,446	— 1,446
Twine and rope ..	Bales and coils ..	839	775	1,063	1,309	1,166	468	— 698
Tin plates	Boxes ..	1,807	912	858	1,248	977	497	— 480
	Slabs ..	..	..	..	78	61	233	+ 172
Twist	Bales ..	1,126	1,147	1,206	1,187	812	1,070	+ 258
Turmeric ..	Bags ..	7,224	4,977	5,433	5,185	4,517	3,520	— 997
Timber	Tons ..	15,137	10,595	15,264	14,154	9,434	14,230	+ 4,796
Tea	Cases ..	1,321	3,411	37	205	156	244	+ 88
Tamarind ..	Bundles ..	..	..	140	86	86	11	— 75
Yellow metal ..	Cases ..	6	542	1,078	281	279	155	— 124
Horses	No. ..	1	15	8	..	..	..	..
Carriages ..	,, ..	..	7	24	14	7	10	+ 3
Tramway materials.	Tons ..	..	..	..	13	13	42	+ 29

V.—Statement of Goods exported to Foreign Ports.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Bone-meal ..	Bags ..	..	..	..	5,448	5,057	7,167	+ 2,110
Beer and ale ..	Cases ..	18	2	13	..	..	1	+ 1
	Casks ..	60	7	..	..	..	3	+ 3
	Bales ..	471	529	411	123	121	..	— 121
Cinchona bark ..	Bags and bundles ..	2,760	9	816	883	669	747	+ 78
Chillies	Cases ..	1,249	556	643	613	452	537	+ 85
	Bags ..	23,764	34,613	17,737	27,864	10,070	10,573	+ 503
Cigars	Bags ..	48,202	26,140	56,768	39,607	38,904	42,899	+ 3,995
Coffee	Bales ..	4,229	5,266	1,946	1,664	1,557	261	— 1,296
Cotton	,, ..	8,218	1,814	7,377	10,473	10,100	5,046	— 5,054
Do. twist ..	Bags ..	418	288	391	239	145	296	+ 151
Coriander and omum seeds ..	Bales ..	905	313	599	152	152	300	+ 148
Carpets	Tons ..	1,574	1,549	767	1,477	1,124	743	— 381
Coal	Packages ..	21	1	..	2	2	..	— 2
Deer horns ..	Cases ..	9	2	6	7	4	8	+ 4
Explosive ..	No. ..	93,132	26,209	138,211	110,328	106,793	64,964	— 41,829
Carriages ..	Bags ..	519	161	1,662	489	430	150	— 280
Ground-nuts ..	,, ..	62	29	1,026	71	70	139	+ 69
Gram, peas, &c. ..	Tons ..	21,848	21,812	11,149	18,519	13,019	19,169	+ 6,150
Horns, cow and buffalo ..	Bales and bundles ..	..	..	..	522	273	643	+ 370
Hides, tanned ..	Cases and casks ..	14,622	29,933	25,008	27,416	14,515	19,365	+ 4,850
Hardware ..	Cases and chests ..	2	11	17	3	3	16	+ 13
Indigo	Tons ..	28,985	56,672	52,668	17,809	17,809	10,063	— 7,746
Iron	Bags ..	235	91	563	237	234	1	— 233
Jaggery	,, ..	37,808	28,547	36,531	17,763	11,798	20,186	+ 8,388
Myrabolams ..	Packages ..	21,964	5,617	17,517	16,094	5,531	9,980	+ 4,449
Miscellaneous ..	Bags and baskets ..	434	56	208	451	443	102	— 341
Onions	Casks ..	..	..	..	4,417	3,285	3,863	+ 578
Oil	Packages ..	6,205	4,857	7,305	7,788	6,001	7,047	+ 2,592
Provisions ..	Bales ..						1,556	
Piece-goods ..	Cases ..							
Potatoes ..	Bags and baskets ..	2,437	282	1,716	1,648	1,346	1,445	+ 99
	Bags ..	33,880	16,127	31,311	47,253	36,513	52,425	+ 15,912
Poonac	No. ..	41	10	15	5	3	7	+ 4
Piano	Bags ..	..	5	22	..	..	..	..
Paddy	,, ..	1,138	3,229	16,915	44,694	38,944	1,470	— 37,474
Rice	Tons ..	699	1,654	733	1,113	699	879	+ 180
Redwood ..	,, ..	..	..	..	7	7	13	+ 6
Salt	Bags ..	1,313	12,654	14,777	90,571	75,330	10,925	— 64,405
Seeds, gingelly and castor	Bales ..	32,194	34,063	31,535	38,649	29,008	29,075	+ 67
Skins, sheep and goat, tanned ..	Bundles ..	1,534	330	699	288	250	664	+ 414
Sandalwood ..	Cases ..	332	41	67	22	16	229	+ 213
Spirits and wines.	Casks ..	977	65	40	9	9	15	+ 6
	Puncheons ..	..	..	..	..	..	..	..
Sugar	Bags ..	599	161	1,197	1,762	1,410	3,653	+ 2,243
Specie	Boxes ..	94	48	29	104	119	74	— 45
Tamarind ..	Bundles ..	6,445	5,331	3,076	4,737	3,445	2,296	— 1,149
Turmeric ..	Bags ..	2,159	941	1,562	3,651	3,135	6,578	+ 3,443
Tea	Cases ..	2,265	1,769	1,649	2,156	1,613	1,565	— 48
Timber	Tons ..	..	..	..	..	..	7	+ 7
Wool	Bales ..	1,021	1,470	1,532	2,049	1,430	2,133	+ 703
Yellow metal ..	Tons ..	107	100	417	7	7	..	— 7
Horses	No. ..	..	..	..	24	24	..	— 24
Ponies	,, ..	..	..	..	9	9	..	— 9
Elephant ..	,, ..	..	..	..	2	2	..	— 2
Lion	,, ..	..	..	..	1	1	..	— 1
Tiger	,, ..	..	..	..	1	1	..	— 1
Leopards ..	,, ..	..	..	..	6	6	..	— 6
Bear	,, ..	..	..	..	1	1	..	— 1
Sheep	,, ..	..	..	..	79	79	20	— 59

VI.—Statement of Goods exported to Coast Ports.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.	
Beer and ale ..	Cases ..	352	294	305	354	293	232	—	61
	Casks ..	159	94	91	166	115	68	—	47
	Hogsheads ..	7	41	161	107	86	106	+	20
Boiler	No. ..	..	..	1	..	..	..	..	
Bricks	100 ..	..	..	..	..	..	5	+	5
Cinchona bark ..	Bales ..	395	84	80	..	..	376	+	376
Chillies ..	Bags and bundles ..	2,064	2,907	9,207	2,444	2,160	620	—	1,540
	Cases ..	1,418	1,136	789	732	484	615	+	131
Cigars	Bags ..	507	1,449	541	449	404	448	+	44
Coffee	Bales ..	5,721	4,245	7,080	5,295	4,912	7,360	+	2,448
Cotton	,, ..	4,698	6,138	3,220	3,034	2,343	3,795	+	1,452
Do. twist ..									
Coriander and omum seeds ..	Bags ..	2,970	7,002	6,894	2,067	2,037	2,187	+	150
Cement	Casks ..	..	8,908	132	195	45	103	+	58
Carpets	Bales ..	68	51	41	27	22	13	—	9
Coal	Tons ..	275	450	157	480	340	392	+	52
Carriage	No. ..	36	47	39	35	29	31	+	2
Deer horns ..	Packages ..	108	151	52	..	..	1	+	1
Explosive ..	Cases ..	2,668	1,331	1,067	46	33	7	—	26
Eggs	Pots ..	1,165	1,125	1,198	1,263	731	406	—	325
Ground-nuts ..	Bags ..	27,790	17,839	16,116	63,700	46,168	26,880	—	19,288
Gram, peas, &c. ..	,, ..	521	1,226	233	372	304	523	+	219
Horns, cow and buffalo ..	Tons ..	310	307	166	106	680	338	—	342
Hides	Bales and bundles ..	379	526	535	252	190	210	+	20
Hardware ..	Cases and casks ..	..	..	..	800	501	2,576	+	2,075
Indigo	Cases and chests ..	165	816	1,162	264	155	161	+	6
	Tons ..	2,244	2,611	755	695	371	346	—	25
Iron	,, ..	..	..	..	165	65	1,556	+	1,491
Old iron ..	Bags ..	258	1,448	336	488	363	1,971	+	1,608
Jaggery	Cases ..	10,327	659	1,117	11,005	5,754	9,673	+	3,919
Kerosine-oil ..	Bags ..	1,054	291	1,112	131	42	72	+	30
Myrabolams ..	Packages ..	50,510	69,584	61,706	18,312	14,111	25,748	+	11,637
Miscellaneous ..	Bags and baskets ..	22,442	53,406	47,062	94,737	69,322	38,594	—	30,728
Onions ..	Casks ..	807	637	346	641	575	327	—	248
Oil	Bales ..	5,615	8,651	6,368	8,852	6,510	5,870	+	185
Piece-goods	Cases ..						825		
Potatoes ..	Bags and baskets ..	23,637	24,388	30,592	20,068	19,811	17,872	—	1,939
	Bags ..	4,770	22,181	9,853	396	365	643	+	283
Poonac	No. ..	23	16	17	11	8	31	+	23
Piano	Bags ..	..	8,806	8,400	4,123	4,123	3,031	—	1,092
Paddy	Packages ..	..	..	..	1,565	1,409	1,922	+	513
Provisions ..	Bags ..	5,448	31,893	11,083	8,196	6,135	5,937	—	198
Rice	Tons ..	119	693	4	134	43	74	+	31
Redwood ..	Bags ..	16,803	2,787	36,799	68,201	59,408	43,364	—	16,044
Seeds, gingelly and castor	Bales ..	721	1,046	871	1,706	1,476	431	—	1,045
Skins, sheep and goat, tanned ..	Bundles ..	153	256	2,786	373	317	39	—	278
Sandalwood ..	Cases ..	2,982	3,783	3,045	2,534	2,034	2,017	—	17
Spirits and wines.	Casks ..	727	716	992	409	307	204	—	103
	Puncheons ..	13	189	214	..	..	..	..	
Sugar	Bags ..	773	1,419	473	1,725	575	3,685	+	3,110
Specie	Boxes ..	236	510	47	75	56	24	—	32
Salt	Bags ..	..	..	..	4,001	3,997	24	—	3,973
Timber	Tons ..	..	..	..	..	..	8	+	8
Tamarind ..	Bundles ..	3,624	8,253	5,090	3,028	2,061	1,828	—	233
Turmeric ..	Bags ..	19,258	17,883	33,147	53,374	42,898	32,869	—	10,029
Tea	Cases ..	341	62	50	114	74	95	+	21
Wool	Bales ..	769	603	463	478	160	963	+	803
Yellow metal ..	Tons ..	53	67	256	31	28	58	+	30

VII.—Statement of Stores, &c., imported by Government.

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.	
Accountant-General	Specie, silver	Boxes.	403	582	533	489	277	167	—	110
	,, copper	,,	5,100	710	780	480	180	..	—	180
	Packages ..	No.	27	1	..	..	..	13	+	13
Public Works Department.	Coke ..	Tons.	..	..	..	64	64	18	—	46
	Iron ..	,,	271	9	19	151	..	3	+	3
	Stores ..	Pkgs.	15,148	6,494	10,812	1,875	1,202	366	—	836
	Iron ..	Tons.	..	..	..	..	..	7	+	7
	Coal ..	,,	..	..	1,450	145	145	..	—	145
	Boilers ..	,,	..	..	..	..	..	2	+	2
Ordnance ..	Ammunition.	Boxes.	2,148	..	109	13,465	8,756	10,230	+	1,474
	Gunpowder.	,,	..	..	..	..	..	53	+	53
	Stores ..	Pkgs.	13,017	28,566	21,057	16,390	14,285	8,083	—	6,202
	Bricks ..	100	..	..	..	50	..	34	+	34
	Cement ..	Casks.	1,869	..	..	14,000	5,600	14,000	+	8,400
Madras Harbour Works.	Stores ..	Pkgs.	3,869	..	..	40	40	8	—	32
	Packages ..	No.	1,983	2,324	2,176	1,900	825	1,698	+	873
Clothing ..	,, ..	,,	122	167	196	131	127	153	+	26
Police	,, ..	,,	272	291	109	79	74	15	—	59
Salt Revenue ..	,, ..	,,	1,119	858	742	2,886	2,322	1,515	—	807
Post Office ..	,, ..	,,	1,779	1,007	1,920	1,012	229	155	—	74
Medical	,, ..	,,	34,768	24,126	9,129	10,770	8,211	10,367	+	2,156
Telegraphs ..	,, ..	,,	732	1,197	1,156	1,115	709	575	—	134
Stationery ..	,, ..	,,	1,961	1,122	1,861	1,611	1,410	1,752	+	342
Stamps	,, ..	,,	8,588	7,420	2,562	3,611	2,987	1,959	—	1,028
Commissariat ..	,, ..	,,	161	149	97	249	242	317	+	75
Gazette Press ..	,, ..	,,	729	880	806	317	214	157	—	57
Marine	,, ..	,,	297	208	25	37	33	36	+	3
Revenue Survey ..	,, ..	,,	380	320	140	6	5	3	—	2
Agriculture ..	,, ..	,,	15	10	9	6	5	4	—	1
Government Central Museum ..	,, ..	,,	235	504	85	68	53	47	—	6
Under Secretary to Government ..	,, ..	,,	1	17	7	16	14	..	—	14
Superintendent of Prisons ..	,, ..	,,	424	33	9	13	9	13	+	4
Revenue Board ..	,, ..	,,	1,196	10	3	1	1	60	+	59
Forests	,, ..	,,	28	15	2	4	2	17	+	15
Presidency College.	,, ..	,,	31	31	36	35	33	21	—	12
Chemical Examiner.	,, ..	,,	78	31	41	31	..	2	+	2
Medical College ..	,, ..	,,	9	15	12	..	..	15	+	15
Deputy Collectors ..	,, ..	,,	23	13	20	7	4	9	+	5
Astronomer ..	,, ..	,,					10	..	—	10
Presidency Paymaster ..	,, ..	,,	2	8	4	..	15	10	—	5
Civil Engineering College ..	,, ..	,,	..	..	44	21	..	877	+	296
Executive Engineer, Military Works ..	,, ..	,,	..	..	..	2,003	581			
Agent for Government Consignments ..	,, ..	,,	..	..	..	501	474	252	—	222
Government Botanical Gardens ..	,, ..	,,	..	..	..	282	279	191	—	88
Miscellaneous Department ..	,, ..	,,	28	1,057	206	94	35	408	+	373

VIII.—Statement of Stores, &c., exported by Government.

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st Dec. 1894.	Total for 9 months ending 31st Dec. 1895.	Increase or decrease as compared with corresponding period of last year.	
Accountant-General ..	Specie, silver.	Boxes.	411	45	95	17	17	865	+	848
	,, copper	,,	965	200	163	180	75	25	—	50
	,, notes.	,,	6	13	8	6	4	..	—	4
	,, packages.	No.	4	1	1	5	1	7	+	6
Bank of Madras ..	,, copper.	Boxes.	..	62	84	..	45	..	—	45
	Packages and pieces.	No.	8,595	5,831	9,257	8,819	6,760	5,754	—	1,006
Ordnance	Gun powder.	Boxes.	..	..	..	..	..	384	+	384
	Ammunition.	,,	..	..	..	..	..	36	+	36

VIII.—Statement of Stores, &c., exported by Government—*cont.*

Department.	Description.	Class.	1891–92.	1892–93.	1893–94.	1894–95.	Total for 9 months ending 31st Dec. 1894.	Total for 9 months ending 31st Dec. 1895.	Increase or decrease as compared with corresponding period of last year.	
Public Works Department.	Packages.	No.	1,784	488	3,203	1,173	888	868	—	20
	Iron	Tons.	..	..	..	..	..	7	+	7
Clothing	Packages ..	No.	1,327	1,096	998	1,160	734	992	+	258
Police	,,	,,	889	974	955	933	886	445	—	441
Salt Revenue	,,	,,	591	785	724	960	826	506	—	320
Medical	,,	,,	1,377	1,610	2,166	1,027	641	443	—	198
Telegraph	,,	,,	8,845	4,330	4,945	3,045	2,639	10,040	+	7,401
Stationery	,,	,,	693	780	623	680	350	408	+	58
Stamps	,,	,,	220	208	236	221	161	190	+	29
Commissariat	,,	,,	7,071	6,205	5,301	6,030	4,824	4,991	+	167
Gazette Press	,,	,,	526	503	478	618	449	385	—	64
Marine	,,	,,	390	366	37	98	85	37	—	48
Revenue Board ..	,,	,,	77	37	87	105	67	5	—	62
Do. Settlement ..	,,	,,	51	84	53	35	22	28	+	6
Do. Survey ..	,,	,,	75	452	223	138	120	49	—	71
Superintendent of Prisons.	,,	,,	69	196	103	58	58	17	—	41
Registration	,,	,,	66	43	17	62	50	81	+	31
Government Central Museum.	,,	,,	10	22	13	..	..	2	+	2
Government Astronomer.	,,	,,	..	18	13	21	11	1	—	10
Government Botanist ..	,,	,,	..	..	..	48	37	21	—	16
Registrar of High Court .	,,	,,	..	..	..	31	22	32	+	10
Assistant Engineer, Public Works Department, Government Brickfield.	,,	,,	..	..	..	52	52	..	—	52
Miscellaneous Department.	,,	,,	95	71	55	24	28	166	+	138

(Signed) S. HUTCHENCE,
Traffic Manager, Harbour Trust.

To the Secretary, Harbour Trust Board, Madras.

MADRAS HARBOUR WORKS.

Report of Progress on the Madras Harbour Works for the Quarter ending 31st December 1895.

Accompanying this report are the following plans and statements :—

42. (*a*) A plan of the Harbour to a scale of 200 feet to an inch, showing in red the position and quantity of work done during the quarter. The contours in half fathoms, shown on this plan in black lines inside the harbour, are those of the latest Marine Survey made in 1895. The contour lines outside the harbour in blue are those of the Survey of 1893.

2. The position of the high water marks of 31st December 1895, and that of the previous three months both to the north of the revetment and the south of the Harbour, are shown for comparison.

43. (*c*) A statement comparing the expenditure on different sub-heads.

43. (*d*) A statement showing work done under different sub-heads, and particulars of cement received and issued.

3. *North Pier Capping.*—During the quarter the north pier capping was extended towards shore by 618 feet 6 inches which completed a total length of 3,147¾ lineal feet of the north pier, to the sanctioned design, measured from the pier head.

4. This length of capping was formed of 26 blocks of concrete built *in situ*, averaging 24 feet in length × 24′ wide × 4½′ deep, and was equal to 2,536½ cubic yards of concrete placed in position in 57 working days.

5. Hard wood-sleepers have been built into the capping throughout its length, for a line of rails to be laid upon it, as soon as the capping reaches shore, and a recess has been left in the capping for the transfer of the bulk-oil discharge pipe, from its temporary position, to the top of the capping.

6. *South Pier Capping.*—During the quarter, the south pier capping was extended towards shore by 1,228 lineal feet, which completed a total length of 2,083 lineal feet of the south pier, to the sanctioned design ; measured from the pier head.

7. This length of capping was formed of 51 blocks of concrete built *in situ*, averaging 24 feet in length × 24 feet wide × 6⅜ deep, and was equal to 7,161¼ cubic yards of concrete placed in position in 65 working days.

8. Hard wood-sleepers have also been built into the capping throughout its length for a line of rails to be laid upon it, as soon as the capping is completed.

9. *Pallávaram Quarries and Concrete-making Machinery.*—The total outturn of concrete made for the capping and other works during the quarter was 8,701 cubic yards ; and the outturn of blasted chips, received from the Pallávaram quarries during the quarter amounted to 10,891¾ tons.

10. *Summary of Progress.*—The following statement is the summary of progress made on the harbour works during the quarter under review.

11. *Supply of Portland Cement.*—The S.S. *Mira* arrived with 250 casks of Portland cement, containing tons 44–12–3–12.

S.S. *Golconda* arrived with 2,200 casks of Portland cement, containing tons 392–17–0–16.
S.S. *Rewa* arrived with 1,046 casks of Portland cement, containing tons 186–15–2–24.
S.S. *Dunera* arrived with 1,044 casks of Portland cement, containing tons 186–8–2–8.
S.S. *Den of Airlie* arrived with 220 casks of Portland cement, containing tons 39–5–2–24.
and a further supply of tons 600 was due on previous indents at the close of the quarter.

12. The balance of cement in store on the 31st December 1895 was tons 212–13–3–12.

13. The issue of cement during the quarter ending 31st December was 8,686¼ casks containing tons 1,550–1–2–10.

14. *Expenditure.*—The expenditure upon the works during the quarter was Rs. 1,25,920 including establishment, &c., and the quarter closed with a balance upon the revised estimate of Rs. 1,50,453 including materials, cement and stores, already upon the works on the 31st December 1895.

15. *High Water Mark North of Harbour.*—The line of revetment north of the harbour has shown no further settlement, and the bay formed by erosion at the end of the revetment, commenced to fill in again early in October. On the 31st December 1895, accretion had taken place, which had advanced the high water mark eastwards by 250 feet.

16. *Sea Bottom within the Harbour.*—The high water mark inside the harbour has receded 170 feet near the south pier and about 100 feet, between the iron pier and the south pier, due to the change of monsoons.

17. The sand bank has been washed, or travelled along the south pier and thrown up at the high water line, and carried across the harbour as usual, which has advanced the high water mark along the northern half of the harbour by 60 feet.

18. The depth of water inside the Harbour has remained the same, but at the entrance, between the two caissons, it was expected that the bar of sand formed across the entrance, reported in paragraph 32 of last report, would have, in great part, been washed away south, as soon as the north-east monsoon set in, but further soundings taken in January 1896, or three months later, shows a further shallowing of 4 and 5 inches, instead of any deepening.

19. *Foreshore South of Harbour.*—The high water line of December 1895 to the south of the harbour has receded by 200 feet near the south pier during the quarter, but its position in September 1895 showed the greatest advance or accretion on record.

20. The erosion reported between 1893–94 about 2 miles south of the harbour ceased in December 1894, and the high water line of December 1895, at 2 miles south of the harbour, was identical in position with that of December 1894, while further south, or 2½ miles from the harbour, the high water line of 1895 was 50 feet in advance or east of the high water line of December 1894, showing a steady accretion, which would appear to be the cause of the harbour entrance shallowing.

21. The following was the change, or advance of the foreshore, South of the Harbour in December 1895.

HIGH WATER MARK OF DECEMBER 1895.

At ¾ mile South of Harbour, was 55′ in advance, or East of High Water Line of Dec. 1894.
„ 1 „ „ „ 50′ „ „ „ „
„ 1¼ „ „ „ 42′ „ „ „ „
„ 1½ „ „ „ 12′ „ „ „ „
„ 1¾ „ „ „ 0 „ „ „ „
„ 2 „ „ „ 0 „ „ „ „
„ 2¼ „ „ „ 35′ „ „ „ „
„ 2½ „ „ „ 50′ „ „ „ „

22. *Screw Moorings.*—Ten screw moorings were put down to 21 feet below bed level, and nine old moorings were raised.

23. Six new large buoys were fixed to the new screws, and five old buoys were removed during October and November 1895.

Madras,
17th February 1896.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

MADRAS HARBOUR WORKS.

Statement showing progress during quarter ending 31st December 1895 as shown on accompanying Lithographed Plan No. 42.

	—		Sub-head of works.	North pier concrete capping.	South pier concrete capping.	Pallāvaram quarries outturn.	Concrete made at mixing station.	Railway lines at works.	Total expenditure during quarter.
			Column.	A	B	C	D	E	F
1	Total quantity blasted chips received on works	Tons.	..	..	..	10,891¾	..	..	..
2	Concrete blocks made *in situ*, capping ..	No.	..	26	51	..	..	..	..
3	Total outturn of concrete	C.yds.	..	2,536½	7,161¼	..	8,701	..	..
4	Advance or progress of completed work ..	Ry. ft.	..	618′ 6″	1,228	..	..	..	..
5	Broad gauge line, taken up	,,	..	618′ 6″	1,228	..	..	..	..
6	Titan line, taken up	,,	..	618′ 6″	1,228	..	..	1,794	..
7	Approximate expenditure under sub-head of works	Rs.	..	3,209	3,941	12,988	91,328	..	1,11,466

		Tons	Cwt.	Qrs.	lb.	Quantity due on indents	Tons.	Cwt.	Qrs.	lb.
4,752	Casks of cement received on works during quarter ending 31st December 1895, containing ..	488	11	1	20	.. .. ..	600	0	0	0
8,686¼	Casks of cement issued for works during quarter ending 31st December 1895, containing ..	1,550	1	2	10	.. .. ..	..	..	..	..
1,192	Casks of cement, balance in store at the end of quarter ending 31st December 1895, containing.	212	13	3	12	.. .. ..	..	..	..	..

Madras,
15th February 1896.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

Comparison of expenditure to date with sanctioned estimate for the quarter ending 31st December 1895.

Sub-head of work.	As per estimate sanctioned in Secretary of State Despatch, No. 41, dated 26th September 1895. *Vide* G.O., No. 2817 W., dated 6th November 1895.					As executed.					Arrears not paid.	Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last quarter.	Expenditure. During the quarter.	Expenditure. Up to date.		
1	2	3	4	5	6	7	8	9	10	11	12	13
		RS. A. P.		RS.	RS.		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Expenditure up to 31st Dec. 1884.												
1. Works	..	..	..	55,09,324		..	..	55,09,324 8 10	..	55,09,324 8 10	..	55,09,324 8 10
2. Establishment	..	..	..	5,29,904		..	..	5,29,904 0 0	..	5,29,904 0 0	..	5,29,904 0 0
3. Tools and plant	..	..	..	5,15,262		..	..	5,15,262 6 0	..	5,15,262 6 0	..	5,15,262 6 0
Total ..	..	..	..	..	65,54,490	..	..	65,54,490 14 10	..	65,54,490 14 10	..	65,54,490 14 10
Revised Estimate.												
4. Alteration and extension of block ground .. Prely.	..	..	..	5,892	5,892	..	..	5,892 0 11	..	5,892 0 11	..	5,892 0 11
North Pier.												
5. Ordinary rubble deposited from breakwater .. Tons.	13,930	1 12 0	Ton.	24,378		13,930	1 12 0	24,377 9 0	..	24,377 9 0	..	24,377 9 0
6. Ordinary rubble deposited from boats .. .. ,,	206,896	2 0 5	,,	4,19,218		205,477	2 0 8	4,15,132 8 10	..	4,15,132 8 10	4,085 7 2	4,19,218 0 0
7. Concrete blocks for building .. .. C. yds.	51,320	11 8 0	C. yd.	5,90,110		51,320	11 8 0	5,90,110 0 0	..	5,90,110 0 0	..	5,90,110 0 0
8. Setting blocks at commencement of new work ,,	2,615	2 1 1	,,	5,415		2,615	2 1 1	5,414 11 2	..	5,414 11 2	..	5,414 11 2
9. Setting blocks from 2,200 to 3,600 feet .. ,,	36,520	2 14 3	,,	1,05,569		36,520	2 14 3	1,05,569 0 0	..	1,05,569 0 0	..	1,05,569 0 0
10. Setting blocks at pier head ,,	12,185	9 8 11	,,	1,16,424		12,185	9 8 10	1,16,415 4 0	..	1,16,415 4 0	..	1,16,415 4 0
11. Concrete in mass for filling .. .. ,,	263	4 8 3	,,	1,188		263	4 8 3	1,188 0 7	..	1,188 0 7	..	1,188 0 7
12. Wave-breaker blocks .. ,,	288	9 5 7	,,	2,692		288	9 5 7	2,692 0 0	..	2,692 0 0	..	2,692 0 0
13. Do concrete blocks .. .. ,,	77,355	10 14 11	,,	8,45,591		69,863	12 1 8	8,45,459 12 4	..	8,45,459 12 4	..	8,45,459 12 4
14. Depositing concrete blocks ,,	77,932	1 0 0	,,	77,928		70,457	1 1 8	77,918 8 4	..	77,918 8 4	9 7 8	77,928 0 0
15. Concrete in protection to rubble base .. ,,	1,986	12 2 8	,,	24,158		2,029	10 5 0	20,927 6 7	..	20,927 6 7	..	20,927 6 7
16. Cramps, iron .. .. No.	331	9 10 1	Each.	3,188		313	10 3 0	3,188 0 0	..	3,188 0 0	..	3,188 0 0
17. Concrete capping .. C. yds.	16,352	16 4 3	C. yd.	2,65,989		18,545⅓	13 10 6	2,14,311 11 11	31,479 10 10	2,45,791 6 9	7,420 2 1	2,53,211 8 10
18. Cost of north pier caisson and setting in position and filling same as items Nos. 26, 27, 33 and 34 ,,	..	..	,,	1,03,855		..	..	1,03,854 15 10	..	1,03,854 15 10	..	1,03,854 15 10
Total for North Pier ..	..	..	..	..	25,85,703	..	..	25,26,559 8 7	31,479 10 10	25,58,039 3 5	11,515 0 11	25,69,554 4 4

Comparison of expenditure to date with sanctioned estimate for the quarter ending 31st December 1895—*cont.*

Sub-head of work.	As per estimate sanctioned in Secretary of State Despatch No. 41, dated 26th September 1895. *Vide* G.O., No. 2817 W., dated 6th November 1895.					As executed.					Arrears not paid.	Value of work done up to date, columns 11 and 12.
	Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last quarter.	During the quarter.	Up to date.		
1	2	3	4	5	6	7	8	9	10	11	12	13
South Pier.		Rs. A. P.		Rs.	Rs.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
19. Ordinary rubble deposited from boats .. Tons.	175,078	2 9 0	Ton.	4,49,052		1,73,659	2 9 4	4,44,126 1 4	..	4,44,126 1 4	4,925 14 8	4,49,052 0 0
20. Large rubble deposited from breakwater .. ,,	8,615	1 12 0	,,	15,076		8,615	1 12 0	15,075 13 0	..	15,075 13 0	..	15,075 13 0
21. Concrete blocks for building .. .. C. yds.	45,066	11 3 1	C. yd.	5,04,510		43,341⅝	11 10 3	5,04,510 0 0	..	5,04,510 0 0	..	5,04,510 0 0
22. Setting blocks at commencement .. ,,	2,556	3 1 6	,,	7,912		2,556	3 1 6	7,911 13 3	..	7,911 13 3	..	7,911 13 3
23. Setting blocks from 2,550 to 3,700 feet .. ,,	30,160	3 7 11	,,	1,05,461		30,160	3 7 11	1,05,461 0 0	..	1,05,461 0 0	..	1,05,461 0 0
24. Setting blocks at pier head .. .. ,,	12,350	11 1 3	,,	1,36,845		12,350	11 0 10	1,36,476 5 8	..	1,36,476 5 8	..	1,36,476 5 8
25. Concrete in mass for filling .. .. ,,	602	7 9 1	,,	4,555		602	7 9 1	4,554 14 4	..	4,554 14 4	..	4,554 14 4
26. Concrete in cylindrical pier head .. .. ,,	2,355	15 0 0	,,	35,325		..	..	35,323 3 0	..	35,323 3 0	..	35,323 3 0
27. Concrete in filling in between coursed blockwork and caisson .. ,,	791	15 0 0	,,	11,865		790¼	15 0 4	11,865 0 0	..	11,865 0 0	..	11,865 0 0
28. Wave-breaker concrete blocks .. ,,	47,231	11 1 6	,,	5,24,070		42,589⅝	12 4 7	5,23,203 11 0	..	5,23,203 11 0	..	5,23,203 11 0
29. Depositing concrete blocks .. .. ,,	47,714	1 5 8	,,	64,708		41,073	1 9 0	64,260 3 9	..	64,260 3 9	..	64,260 3 9
30. Concrete in protection to rubble base .. ,,	1,700	13 4 11	,,	22,620		1,328¾	13 14 2	18,460 3 6	..	18,460 3 6	..	18,460 3 6
31. Cramps, iron .. .. No.	259	11 7 7	Each.	2,972		220	13 8 1	2,972 0 0	..	2,972 0 0	..	2,972 0 0
32. Concrete capping .. C. yds.	16,247	15 12 9	C. yd.	2,56,687		13,168½	12 12 3	85,685 4 10	80,387 11 11	1,66,073 0 9	2,011 8 4	1,68,084 9 1
33. Iron caisson .. .. No.	1	..	,,	18,000		..	..	18,000 0 0	..	18,000 0 0	..	18,000 0 0
34. Preparing base for and setting cylindrical pier head .. .. ,,	..	..	,,	38,896		..	..	38,399 10 11	..	38,399 10 11	..	38,399 10 11
Total for South Pier ..	..	..	..	..	21,98,554	..	..	20,16,285 4 7	80,387 11 11	20,96,673 0 6	6,937 7 0	21,03,610 7 6
Extending the Rubble Revetment protecting the foreshore North of Harbour.												
35. Rubble stone revetment. Tons.	70,600	2 1 0	Ton.	1,45,613	..	91,051	1 8 8	1,40,093 13 2	..	1,40,093 13 2	..	1,40,093 13 2
36. Railway lines	..	..	..	9,849	..	..	..	11,665 7 10	..	11,665 7 10	..	11,665 7 10
	..	..	..	..	1,55,462	..	..	1,51,759 5 0	..	1,51,759 5 0	..	1,51,759 5 0
37. Tools and plant	..	..	..	..	6,11,656	..	..	6,11,541 9 10	..	6,11,541 9 10	..	6,11,541 9 10
38. Contingencies	..	..	..	..	2,47,970	..	..	2,27,541 0 9	1,022 13 9	2,28,563 14 6	184 13 9	2,28,748 12 3
39. Establishment	..	..	..	..	6,73,445	..	..	6,49,070 6 7	13,087 8 7	6,62,157 15 2	4,378 6 2	6,66,536 5 4
40. Materials at site (concrete blocks in yards) C.yds.	..	..	..	..	..	1,341⅝⅝	14 6 4	15,074 5 10	..	15,074 5 10	4,242 13 1	19,317 2 11
41. Advances to work-people ..	..	..	..	..	..	..	..	34 3 2	..	34 3 2	..	34 3 2
Total of estimate and value of work done	..	..	..	..	64,78,682	..	..	62,03,757 13 3	1,25,997 13 1	63,29,735 10 4	27,258 8 11	63,56,994 3 3
Deduct probable recoveries due to sales of tools and plant ..	..	..	..	..	2,80,664	..	..	— 1,449 7 0	— 58 0 5	— 1,507 7 5	..	— 1,507 7 5
Total ..	..	..	..	..	61,98,018	..	..	62,02,308 6 3	1,25,919 12 8	63,28,228 2 11	27,258 8 11	63,55,486 11 10
Total of revised estimate sanctioned in Secretary of State's despatch *plus* expenditure before 31st December 1884	..	..	..	..	1,27,52,508	..	..	1,27,56,799 5 1	1,25,919 12 8	1,28,82,719 1 9	27,258 8 11	1,29,09,977 10 8
Total sanctioned cost for completion of works	..	..	..	..	1,27,52,508							
Add recovery on tools and plant ..	..	..	..	..	2,80,664							
						1,30,33,172						
Deduct total expenditure as per column 11	..	..	..	..	..	1,28,82,719						
Total amount available for completing works after quarter ending 31st December 1895	..	..	..	..	..	1,50,453						

Remarks.—Expenditure up to 31st March 1895 from commencement of works .. .. Rs. 1,25,11,921 5 7
,, during current official year from 1st April 1895 to 31st December 1895 .. 3,70,797 12 2 Grant for 1895-96, Rs.——.

Total outlay to 31st December 1895 .. 1,28,82,719 1 9

Madras,
17th February 1896.

(Signed) C. R. KRISHNA ROW,
Accountant, M. H. Works Office.

(Signed) A. LEE-POGSON,
Engineer, Harbour Trust Board.

ORDER—No. 1220 W., dated 7th April 1896.

Ordered that the report be forwarded for the information of the Secretary of State and the Government of India.

2. The question of the movement of sand both inside and outside the harbour received notice * in connection with the report on the previous quarter. The result of the action there proposed will be awaited.

* G.O. No. 529 W., dated 11th February 1896.

[Here enter No. 1221 W., dated 7th April 1896.]

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.

To the Chairman, Harbour Trust Board.
„ Presidency Port Officer.

ENDORSEMENT—No. 1221 W., dated 7th April 1896.

Copy of the above with a plan showing progress and present state of the work forwarded to the Government of India, Public Works Department.

(By order.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.

Exd. C. M. Brisson.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated April, 7th.

Recd. *Encl.*

G.O. Nos. 1220, 1221 W., 7th April 1896.

APRIL.

Madras Harbour Works

Forwarding copy of Proceedings giving cover to the progress report of the — for the quarter ending 31st December 1895.

No. $\frac{12}{1220\ W.}$, 7th April 1896.

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honourable the SECRETARY of STATE for INDIA.

My Lord,

In continuation of our Despatch No. $\frac{2}{529\ W.}$, dated 11th February 1896, we have the honour to forward, for your Lordship's information, the accompanying copy of our Proceedings, No. 1220 W., dated 7th April 1896, giving cover to the progress report of the Madras Harbour Works for the quarter ending 31st December 1895. The accretion of sand both inside and outside the harbour, previously referred to, still continues at a rate which causes anxiety, but as your Lordship's attention has already been drawn to the matter in view to remedial measures being taken, if practicable, no further allusion will be made to it at present. The report is accompanied by a plan showing progress and present state of the works.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.
(„) H. W. BLISS.
(„) J. GROSE.

Madras,
7th April 1896.

Exd. C. Brisson.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honourable the Secretary of State for India.

No. 12 / 1220 W., dated 7th April 1896.

FORWARDING, with remarks, copy of Proceedings giving cover to the progress report of the Madras Harbour Works for the quarter ending 31st December 1895.

A.

P. W.

~~Marine~~ PUBLIC WORKS DEPARTMENT.

Ro 1220 W-a/7 April 1896

PROCEEDINGS OF THE MADRAS GOVERNMENT.

21 P

READ the following

From the Chairman, Harbour Trust Board, Madras, No. 4689, d/6th March 1896

Ordered that the report be forwarded for the information of the Secretary of State and the Government of India.

2. The question of the movement of sand both inside and outside the -- harbour received notice in connection with the report on the previous quarter. The result of the action there proposed will be awaited

X G.O. No. 529 W. d/11th Feby. 1896.

The Chairman, H.T. Board.
,, Presidency Port Officer.

(H.E. No. 1221/W d/ 7 April 1896)

Copy of the above with a plan showing progress and present state of the work forwarded to the Govt. of India, P.W. Department.

(H.E. No. 12 / 1220 W d/ 7-4 1896)

To
The Right Honourable
the Secretary of State for
India.

My Lord,

In continuation of our Despatch No. ~~529~~ 2 W. dated 11th February 1896 we

(40—4,000—2-11-95.)

Marine Current No: 261.

In duplt
Encls 1 plan in duplt
Recd: 9.3.96

MARINE DEPARTMENT.

From

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE SECRETARY TO GOVERNMENT,
Marine Department.

DATED *6th March* 1896.

DESPATCHED *7th* „ „

RECEIVED „ „

ENCLOSURES—Plan of Harbour referred to in the Engineer's report.

No. 4689.

SUBJECT.

MADRAS HARBOUR.

Submitting quarterly report ending 31st December 1895.

No 2431 W 422-9-86 ✓
„ 601 . 28-10-86 marine ✓
„ 695 . 8-1-87 ✓
„ 2362-30 . 19-9-94 ✓
„ 8/2362 W . 19-9-94 ✓
„ 3249 W . 18-12-94 ✓
„ 11/3248 W . 18-12-94 ✓
„ 34 W . 9-1-95 ✓
„ 3190 . 18-1-96 ✓
„ 2614-50 W . 24-10-95 ✓
„ 584 W . 12-3-96 ✓
„ 130 W . 11-1-96 ✓
„ 529-30 W . 11-2-96 ✓
„ 2/529 W . 11-2-96 ✓

LAWRENCE ASYLUM PRESS.

we have the honor to forward for your Lordship's information, the accompanying copy of our Proceedings No. d/ 1896 giving cover to the progress report of the Madras Harbour Works for the quarter ending 31st December 1895. The accretion of sand both inside and outside the harbour, previously referred to, still continues at a rate which causes anxiety, but as your Lordship's attention has already been drawn to the matter in view to remedial measures being -- taken, if practicable, no further -- allusion will be made to it at -- present. The report is accompanied by a plan showing progress and -- present state of the works.

Progress Report of the Madras Harbour Works for the quarter ending 31st December 1895.

14/3/96

Cards 12.3.96.

15/4/96

H.E. 20/3 R 2/3.

MARINE DEPARTMENT.

From

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE SECRETARY TO GOVERNMENT,
Marine Department.

DATED *6th March* 1896.

DESPATCHED *7th* „ „

RECEIVED „ „

ENCLOSURES—Plan of Harbour referred to in the Engineer's report.

No. 4689.

SUBJECT.

MADRAS HARBOUR.

Submitting quarterly report ending 31st December 1895.

LAWRENCE ASYLUM PRESS.

Harbour Trust Office,

Madras, 6th March 1896.

No. 4689

From

WARE AUSTIN, Esq., I.C.S.,
Chairman, Harbour Trust Board,
Madras,

To

The Hon'ble Col. D. McNEIL CAMPBELL, R.E.,
Secretary to Government,
Marine Department.

Sir,

I have the honor to submit, for the information of Government, the usual quarterly report for the period October—December 1895, also departmental reports from the Board's Engineer and the Traffic Manager.

2. At the north arm of the Harbour the capping was continued shoreward, and advanced by 619 feet; at the south arm 1,228 feet of capping were added. Ten screw moorings were put down inside the Harbour, and nine anchor mooring were removed.

3. The shoaling of the sea bed to the south and south-east of the Harbour apparently continues steadily; there has been the usual small temporary erosion immediately to the south of the south arm, due to the north-east monsoon; but the Engineer reports that the accumulation of sand has extended as far south as two and-a-half miles from the Harbour, and has there advanced eastward by 50 feet since December 1894.

4. It would appear, therefore, that the whole mass of sand, which moves northwards for the greater part of the year, is banking up against the south arm and extending seaward over the sea bottom; the entrance to the Harbour is reported to be perceptibly shoaling, being at the end of December 1895 4 or 5 inches shallower than three months previously, although the Engineer expected that after the north-east monsoon it would be deeper.

5. I need not now enter into any comparison, in detail, of the variations in goods exported and imported; full particulars are given in the Traffic Manager's returns. The ultimate result for the nine months can be summarised by a glance at the cash receipts. Harbour dues upon the pier and beach on account of *Imports* are Rs. 33,473 more during the nine months from 1st April to 31st December, as compared with the same period in 1894-95, and this represents an increase in tonnage amounting to + 44,637 tons. Pier and beach *Exports*, on the other hand, have paid dues, Rs. 5,594 less, equal to a tonnage of — 7,458 tons; a net gain of about 37,000 tons. The larger landings of coal account for 21,644 tons, or nearly half the increased tonnage imported, and iron comes next with an increase of 9,500 tons.

I have the honor to be,
Sir,
Your obedient Servant,

Ware Austin

Chairman, Harbour Trust Board.

Madras Harbour Trust, Statement of Receipts and Charges from 1st April to 31st Decr. 1895

Opening Balance.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Government Securities (Par value 3,80,000)	.....	3,66,163 14 10	
1. Cash in the Bank of Madras ...	3,86,276 15 9		
2. General Cash in Office	376 14 1		
3. Advance for Contingencies... ...	500 0 0		
		3,87,153 13 10	
			7,53,317 12 8
Receipts.			
I. Contributions from Port Funds		... ...	33,900 0 0
II. Beach Imports: dues under Section 45 (*a*) I (i) (ii) (iii) ...	1,38,127 14 2		
Pier do. do. do. ...	51,159 3 3		
Beach Exports do. do. do. ...	21,742 5 4		
Pier do. do. do. ...	33,086 4 10		
Wharfage do. II. ...	5,391 15 0		
Cranage do. III. ...	32,289 15 0		
Storage do. IV. ...	945 13 9		
Demurrage do. V. ...	431 7 2		
Dues for entry of Vehicles under Section 45 (*c*) VI ...	10,292 12 11		
Provisions:—Dues on under Section 45 (*a*) I (i)	441 10 0		
Rent of Properties	523 6 2		
Water: charge for—delivered at pier head	3,561 4 0		
Penalties under Section 84... ...	.....		
Sundries	.....		
		2,37,993 15 7	
III. Porterage under Section 45 (*a*) I (iv)			
Beach	49,114 7 10		
Pier	27,472 9 7		
Miscellaneous	10 14 0		
		76,597 15 5	
			3,74,591 15 0
IV. Interest on Government of India, 3½ per cent. Promissory Notes...	... ...	... ...	10,350 10 5
Amount refunded from Construction Funds in repayment of advances made from time to time from Revenue Account from 1st March to 6th May 1895	... ...	... ...	79,000 0 0
Total Rupees...	... ...	... ...	12,51,160 6 1
Charges.			
I. Interest (under Section 30)	... ...	2,27,607 4 10	
II. Repayment of Loan for Construction of Harbour under Sec. 31	... ...	1,00,000 0 0	
			3,27,607 4 10
III. Refunds	1,532 9 11		
IV. Fees to Trustees	4,980 0 0		
V. Chairman's Allowance ...	3,600 0 0		
		10,112 9 11	
VI. *Establishment*—			
1. Secretary's Salary	7,200 0 0		
2. Correspondence Department ...	2,723 0 10		
3. Accounts Department	4,935 1 10		
4. Cash Department	3,687 12 5		
5. Traffic Department (Shore Staff) ...	23,523 15 3		
6. Preventive Service	8,255 12 5		
7. Do. Boatmen ...	891 3 0		
8. Tidal Observatory	270 0 0		
9. Exchange Compensation Allowance	2,592 13 11		
10. Contribution to Govt. for Pensions...	608 15 3		
11. Do. to Provident Fund ...	90 7 9		
		54,784 2 8	
Carried over...	64,896 12 7	3,27,607 4 10	

	Rs. A. P.	Rs. A. P.	Rs. A. P.
Brought forward...	64,896 12 7	3,27,607 4 10	
VII. Contingencies—			
(*a*) *Subject to Regular Audit*—			
Postage	42 11 2		
Receipt Stamps	173 3 0		
Telegrams	4 13 0		
Furniture	121 7 9		
Fees for Audit	1,000 0 0		
Law Charges	23 4 0		
Stationery and Printing	2,460 3 0		
Advertisement Charges	75 0 0		
Uniform for Preventive Service, &c. ...	1,278 14 0		
		5,179 7 11	
(*b*) *Admissible without Detailed Audit*—			
Overtime Fees to Establishment ...	3,246 11 0		
Do. Preventive Service and Boatmen... ...	2,314 1 3		
Miscellaneous	2,900 9 11		
		8,461 6 2	
VIII. *Petty Construction and Repairs*—			
New Works...	5,460 13 2		
Repairs	4,003 4 7		
Tools and Plant	.....		
		9,464 1 9	
			88,001 12 5
IX. *Porterage*—			
1. Coolies, Beach	32,465 0 8		
2. Do. Pier	12,678 6 0		
3. Do. Custom House	9,355 0 4		
4 Coasting Cargo	1,017 9 1		
5 Cart Hire	555 8 3		
6. Engine Charges	2,804 9 3		
7. Steam Crane Charges	1,625 13 5		
8. Refunds	3,954 10 1		
9. Claims for Losses and Damage of Cargo	1,879 11 4		
10. Provident Fund Deductions from Coolies' wages...	871 2 10		
11. Do. Contributions by the Trust... ...	871 2 10		
		68,078 10 1	
(*a*) Contingencies—*Subject to Regular Audit*—			
Postage	0 3 0		
Receipt Stamps	.....		
Telegrams	97 2 0		
Furniture	1,471 0 0		
Tarpaulins	.....		
Law Charges	417 9 2		
Stationery and Printing	.....		
Advertisement Charges	1,402 6 9		
Lighting Pier and Yards ...		3,388 4 11	
(*b*) Contingencies—*Admissible without Detailed Audit*—			
Miscellaneous		963 15 8	
			72,430 14 8
			3,09,095 13 7
X. Advances to Construction Account		... ...	7,97,135 13 6
Total, Expenditure		...	
Closing Balance on the 31st December 1895—			
Government Securities (Par value 4,13,900)		4,00,063 14 10	
Cash in the Bank of Madras	51,311 10 4		
General Cash in Office	2,148 15 5		
Advance for Contingencies	500 0 0		
		53,960 9 9	
			4,54,024 8 7
Total Rupees		...	12,51,160 6 1

N. B.—These balances exclude Rs. 500 with the Traffic Manager for meeting daily-Porterage charges and Rs. 15 with the Cashier for meeting charges on account of Postage and Receipt stamps.

H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

Comparative Statement of Receipt and Charges of the Madras Harbuor Trust, under Act II of 1886 for nine-months ending 31st December 1894 and 1895.

Items.	Actuals from 1st April to 31st Dec. 1894.	Actuals from 1st April to 31st Dec. 1895.	Plus or Minus.	Remarks.
	Rs.	Rs.	Rs.	
REVENUE ACCOUNT.				
Opening Balance.	11,68,742	7,53,318	– 4,15,424	
Receipts.				
I. Contributions from Port Funds	57,607	33,900	– 23,707	
II. Beach Imports: dues under Sections 45 (*a*) I (i) (ii) (iii)...	1,09,890	1,38,128	+ 28,238	
Pier do. do. do.	45,924	51,159	+ 5,235	
Beach Exports do. do....	23,874	21,742	– 2,132	
Pier do. do....	36,548	33,086	– 3,462	
Wharfage do. II ...	4,120	5,392	+ 1,272	
Cranage do. III ...	31,671	32,290	+ 619	
Storage do. IV ...	1,025	946	– 79	
Demurrage do. V ...	362	431	+ 69	
Dues for entry of Vehicles under Section 45 (*c*) VI	8,948	10,293	+ 1,345	
Provisions :—Dues on under Section 45 (*a*) I (i)	465	442	– 23	
Rent of Properties	504	523	+ 19	
Water : charge for—delivered at pier head ...	3,475	3,561	+ 86	
Penalties under Section 84	...	...	...	
Sundries	...	...	...	
III. Porterage under Section 45 (*a*) I (iv)	45,818	49,114	+ 3,296	
Beach	23,270	27,473	+ 4,203	
Pier	131	11	– 120	
Miscellaneous				
IV. Interest on Government of India, 3½ per cent. Pro. Notes	27,701	10,351	– 17,350	
Amount refunded from Construction Funds in repayment of advances made from time to time from Revenue Account	31,000	79,000	+ 48,000	
Total Receipts...	4,52,333	4,97,842	...	
Total including the Opening Balance...	16,21,075	12,51,160	...	
Charges.				
I. Interest (under Section 30)...	2,22,913	2,27,607	+ 4,694	
II. Repayment of Loan for Construction of Harbour under Sec. 31	1,00,000	1,00,000	...	
III Refunds	655	1,533	+ 878	
IV. Fees to Trustees	4,620	4,980	+ 360	
V. Chairman's Allowances	3,600	3,600	...	
VI. *Establishment*—				
1. Secretary's Salary	7,200	7,200	...	
2. Correspondence Department	2,683	2,728	+ 45	
3. Accounts Department	4,974	4,935	– 39	
4. Cash Department	3,495	3,688	+ 193	
5 Traffic Department (Shore Staff) ...	20,806	23,524	+ 2,718	
6. Preventive Service	9,271	8,256	– 1,015	
7. Preventive Service Boatmen	895	891	– 4	
8. Tidal Observatory	30	270	+ 240	
9. Exchange Compensation Allowance ..	3,540	2,593	– 947	
10. Contribution to Government for Pensions	623	609	– 14	
11. Do. to Provident Fund... ...	60	90	+ 30	
VII. Contingencies.				
(*a*)—*Subject to Regular Audit.*—				
Postage	47	43	– 4	
Receipt Stamps	156	173	+ 17	
Telegrams	27	5	– 22	
Furniture	131	121	– 10	
Fees for Audit	...	1,000	+ 1,000	
Law Charges	31	23	– 8	
Stationery and Printing	2,950	2,460	– 490	
Advertisement Charges	230	75	– 155	
Uniform for Preventive Service, &c.	1,442	1,279	– 163	
(*b*)—*Admissible without detailed Audit.*—				
Overtime Fees to Establishment	3,364	3,247	– 117	
Do. Preventive Service and Boatmen ...	2,484	2,314	– 170	
Miscellaneous	2,581	2,901	+ 320	
VIII. *Petty Construction and Repairs.*—				
New Works	8,993	5,461	– 3,532	
Repairs	8,342	4,003	– 4,339	
Tools and Plant	887	...	– 887	
IX. *Porterage.*—				
1. Coolies, Beach	28,316	32,465	+ 4,149	
2. Do. Pier	12,273	12,678	+ 405	
3. Do. Custom House	7,322	9,355	+ 2,033	
4. Coasting Cargo	1,175	1,018	– 157	
5. Cart Hire	...	555	+ 555	
6. Engine Charges	1,836	2,805	+ 969	
7. Steam Crane Charges	1,798	1,626	– 172	
8. Refunds	3,657	3,955	+ 298	
9. Claims for Losses and Damage of Cargo .	679	1,880	+ 1,201	
10. Provident Fund Deductions from Coolies' wages	810	871	+ 61	
11. Do. Contributions by the Trust ...	810	871	+ 61	
(*a*) *Contingencies, Subject to Regular Audit.*				
Postage	...	...	...	
Receipt Stamps	2	...	– 2	
Telegrams	...	...	...	
Furniture	29	97	+ 68	
Tarpaulins	1,226	1,471	+ 245	
Law Charges	...	...	...	
Stationery and Printing	312	418	+ 106	
Advertisement Charges	...	...	...	
Lighting Pier and Yards	1,396	1,402	+ 6	
(*b*) *Contingencies, Admissible without Detailed Audit.*—				
Miscellaneous...	2,209	964	– 1,245	
X. Advances to Construction Account	31,000	3,09,096	+ 2,78,096	
Total Expenditure...	5,11,880	7,97,136	...	
Closing Balance...	11,09,195	4,54,024	...	
Total including the Closing Balance...	16,21,075	12,51,160	..	

H. E. HOPE-ROSS,
Chief Accountant, Harbour Trust.

I. STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS.

—	Packages.	1891-92.	1892-93.	1893-94	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Apparel and Effects ...	Packages...	1,347	1,068	1,017	985	632	646	+ 14
Alum	Barrels ...	326	686	910	773	648	567	– 81
Asphalte, Tar, & Pitch.	Casks ...	4,439	2,329	2,638	2,493	1,738	2,117	+ 379
Acids	Cases ...	1,854	1,408	1,560	2,151	1,578	773	– 805
Arms and Guns ...	,, ...	442	221	250	93	65	55	– 10
Arrack	Casks ..	884	833	1,031	1,218	892	1067	+ 175
Blankets... ...	Bales ...	119	168	28	55	45	37	– 8
Beef and Pork ...	Cases ...	36	...	...	...	...	...	...
Bricks ...	100 ...	1,021	551	1,550	900	858	450	– 408
Beer ...	Cases ...	6,123	8,710	7,013	5,408	3,715	5,491	+ 1,776
	Barrels ...	1,140	1,707	1,401	1,800	1,501	679	– 822
	Hogsheads	6,808	8,210	4,310	6,743	4,561	7,038	+ 2,477
Boiler	No. ...	51	32	48	25	17	25	+ 8
Corks	Bundles ...	88	72	50	60	44	45	+ 1
Canvas	Bales ...	121	193	615	148	66	98	+ 32
Candles	Cases ...	16,637	31,017	27,463	28,458	20,066	29,440	+ 9,374
Colours	,, ...	3,838	3,286	2,998	3,999	2,271	2,563	+ 292
Confectionery Provisions and Oilmanstores	,, ...	23,395	22,129	20,829	16,508	12,292	15,276	+ 2,984
Crockery & Glassware.	Crates & Casks.	4,538	3,817	5,300	3,627	2,015	4,268	+ 2,253
	Barrels ...	370	140	134	366	50	630	+ 580
Chalk ...	Tons ..	...	...	...	30	30	...	– 30
	Casks ...	14,522	7,369	8,904	10,235	5,559	6,569	+ 1,010
Cement ...								
Cast Iron Pipes and Tubes ...	Tons ...	335	1,436	989	1,472	1,182	3,629	+ 2,447
Camphor ...	Tubs ...	4,739	4,349	5,765	5,523	3,854	2,84	– 1,005
Coal	Tons ...	33,686	49,508	58,179	76,851	58,705	75,426	+ 16,721
Coke	,, ...	578	778	1,018	896	569	861	+ 292
Fuel	,, ...	...	2,953	...	...	...	50	+ 50
Crackers... ...	Cases ..	470	840	327	975	975	1,028	+ 53
Copper Plates and Tiles	No. ...	4,802	521	7,260	4,096	2,589	5,417	+ 2,828
Corrugated Iron ...	Packages...	805	2,512	2,688	3,234	1,369	5,834	+ 4,465
Dynamite ..	Cases ...	13,040	8,035	10,598	9,426	5,403	10,596	+ 5,193
Earthenware ...	Crates ...	2,313	1,836	2,168	1,492	854	2,566	+ 1,712
Fire Clay ...	Casks ...	2,768	272	312	454	82	84	+ 2
Flour	Bags and Barrels ...	1,317	821	1,251	1,348	1,084	512	– 572
Flannel	Bales ...	54	30	64	23	8	38	+ 30
Gunpowder ...	Packages...	6,667	5,987	5,883	3,384	3,168	1,344	– 1,824
Harmonium ...	Cases ...	30	27	24	15	11	6	– 5
Hardware ...	Cases & Casks..	8,234	6,783	8,189	11,532	8,333	17,862	+ 9,529
Hops	Packages	129	64	297	287	202	300	+ 98
Iron	Tons ...	13,737	17,929	18,627	10,863	5,839	15,288	+ 9,449
Iron Safes ...	No. ...	296	150	167	56	41	54	+ 13
Kerosine Oil	Cases ...	397,862	251,320	342,671	343,365	166,395	2	– 166,393
	Tons ...	...	3,361	5,455	7,899	6,299	9,658	+ 3,359
Malt	Bags ...	445	407	22	56	56	2	+ 54

I. STATEMENT OF GOODS IMPORTED FROM FOREIGN PORTS—*contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Millinery and Haberdashery ...	Cases ...	1,609	1,566	1,370	1,881	1,496	1,475	— 21
Matches	,, ...	10,665	9,125	8,927	8,140	6,304	5,227	— 1,077
Machinery ...	Tons ...	3,099	3,241	4,817	3,603	2,671	1,989	— 682
Nails	Kegs ...	13,744	10,547	14,022	11,948	7,478	13,775	+ 6,297
Oil and Turpentine.	Drums ...	7,225	15,500	4,581	4,021	2,976	3,129	+ 153
Piece-goods ...	Cases / Bales	85,079	51,551	57,676	78,435	50,876	21,273 / 16,684	— 12,919
Twist ...	Bales		18,664	24,071	29,432	18,513	15,595	— 2,918
Paper ...	Bales ...	6,546	5,518	6,038	4,435	3,094	3,294	+ 200
Piano ...	No. ...	153	99	112	49	37	76	+ 39
Printing Types ...	Cases ...	492	727	346	231	144	186	+ 42
Pig Lead ...	No. ...	2,198	1,098	2,612	629	288	760	+ 472
Paint	Kegs ...	7,758	10,257	5,770	8,436	5,269	5,240	— 29
Rattan ...	Bundles ...	3,823	5,669	2,362	4,519	1,677	1,315	— 362
Rails ..	No. ...	...	..	...	...	...	3,891	+ 3,891
Soaps ...	Cases ...	1,650	970	2,172	1,050	669	912	+ 243
Salt	,, ...	383	329	153	458	315	235	— 80
Steel	Cases & Casks	864	3,343	794	395	238	157	— 81
Steel Bundles and Bars ...	No. ...	11,261	10,401	10,768	8,905	6,183	17,408	+ 11,225
Steel Hoop ...	Bundles ...	5,567	1,597	4,930	2,439	1,855	6,939	+ 5,084
Shovels ...	,, ...	275	499	29	127	39	...	— 39
Sodawater Bottles ...	Crates ...	1,395	1,768	1,570	2,155	1,545	1,480	— 65
Sulphur ...	Casks ...	752	435	1,128	10	10	357	+ 347
Shot ...	Kegs ...	177	56	248	130	108	169	+ 61
Sundries ...	Packages ...	48,408	33,606	56,235	53,125	40,647	40,149	— 6,498
Specie ...	No. ...	1,229	888	768	612	441	504	+ 63
Sugar	Bags ...	2,152	1,196	4,198	1,527	81	1,211	+ 1,130
Stationery ...	Cases ...	1,242	848	1,333	2,939	1,905	3,054	+ 1,149
Spelter ...	Cakes ...	836	8,786	22,921	4,013	3,128	3,290	+ 162
Saw ...	Cases ...	70	48	79	36	10	38	+ 28
Twine and Rope ...	Bales & Coils	438	455	458	862	138	131	— 7
Tin Plates ...	Boxes ...	5,608	4,649	6,669	4,389	3,203	3,175	— 28
Tin Slabs ..	No. ...	...	...	...	2,496	1,474	2,514	+ 1,040
Timber ...	Tons ..	...	...	...	...	...	3,367	+ 3,367
Tramway Materials	Packages ...	...	...	...	5,370	5,231	2,288	— 2,943
	Tons ...	...	...	...	202	87	...	— 87
Wine and Spirits	Cases ...	37,877	44,739	36,048	36,519	22,618	27,827	+ 5,209
	Casks ...	863	658	514	713	541	1,072	+ 531
	Puncheons ...	369	733	1,058	139	100	74	— 26
Window Glasses ...	Cases ...	5,972	12,000	10,425	8,053	5,178	4,843	— 335
White and Red Lead	Kegs ..	681	951	737	715	631	657	+ 26
Yellow Metal ...	Cases ...	3,076	3,361	2,784	3,275	2,270	1,923	— 347
Zinc Sheets ...	Packages ...	2,749	1,690	1,761	1,342	1,119	136	— 983
Horses ...	No. ...	816	959	835	709	679	649	— 30
Ponies ...	,, ...	70	112	131	208	109	164	+ 55
Cows ...	,, ...	59	15	7	7	7	9	+ 2
Dogs ..	,, ...	13	14	3	45	45	...	— 45
Elephants ...	,, ...	10	7	6	4	4	2	— 2
Carriages ...	..	...	8	9	9	7	25	+ 18

II. STATEMENT OF STORES IMPORTED BY THE MADRAS RAILWAY COMPANY.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Stores	Packages ...	82,105	72,434	47,040	8,915	7,356	7,889	+ 533
	Tons ...	3,605	499	156	1,173	901	371	+ 530
Fuel ...	,, ...	...	...	...	...	...	...	...
Coke ...	,, ...	1,437	544	716	703	703	1,562	+ 859
Coal ...	,, ...	27	300	237	2,948	2,948	1,617	— 1,331
Timber ...	,, ...	2,477	2,083	1,448	1,364	853	6,406	+ 5,553
Fire Bricks ...	100 ...	115	330	...	75	75	50	— 25
Boiler ...	No. ...	...	...	...	6	4	10	+ 6
Rails ...	,, ..	...	...	...	...	...	10,441	+ 10,441

III. STATEMENT OF STORES IMPORTED BY THE SOUTH INDIAN RAILWAY COMPANY.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Stores	Packages ...	68,282	22,171	28,640	13,933	13,349	4,447	— 8,902
	Tons ...	...	...	992	113	...	596	+ 596
Coke ...	,, ...	14	...	...	...	...	...	...
Coal ...	,, ...	...	...	...	...	...	...	...
Timber ...	,, ...	..	...	...	...	..	..	...
Boiler ...	No. ...	4	12	10	1	1	...	— 1
Fire Bricks ...	100 ...	...	...	...	190	160	200	+ 40

IV. STATEMENT OF GOODS IMPORTED FROM COAST PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Apparel and Effects	Packages ...	451	343	527	520	411	435	+ 24
Alum ..	Barrels ...	10	187	7	149	144	12	— 132
Acids ...	Cases ...	89	125	269	305	276	64	— 212
Animals ...	No. ...	...	10	...	9	9	...	— 9
Arms and Guns ...	Cases ...	45	12	13	10	10	2	— 8
Boilers ...	No. ...	2	...	...	...	...	...	...
Bricks and Tiles ...	100 ...	1,396	57	837	852	603	144	— 459
Coffee ...	Bags ...	379	595	575	476	434	282	— 152
Candles ...	Cases ...	...	...	11	1	1	13	+ 12
Colours ...	,, ...	1,225	1,531	1,591	1,244	1,012	864	— 148
Crockery and Glassware ...	,, ...	322	466	426	1,233	921	423	— 498
Coal ...	Tons ...	13,249	13,792	22,152	17,556	15,905	19,989	+ 4,084
Carpets ...	Bales ...	77	94	99	95	76	50	— 26
Camphor and Benjamin .	Tubs ...	682	1,306	432	1,060	801	705	— 96
Copra ...	Bags ...	32	...	122	68	68	253	+ 185
Crackers ...	Cases ...	...	...	...	2	2	...	— 2
Copper ..	,, ...	1,667	986	557	10	10	433	+ 423
Do. ...	Tiles & Ingots...	96	421	2,180	3,755	3,585	1,179	— 2,406
Cutch and Lac ...	Packages ...	4,415	3,191	3,554	5,208	3,367	3,987	+ 120
Cast Iron Tubes and Pipes ...	Tons ...	...	...	...	61	27	208	+ 181

IV. STATEMENT OF GOODS IMPORTED FROM COAST PORTS—*contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Earthenware	Crates	392	2,941	407	271	202	1,486	+ 1,284
Do.	Pipes	2,626	6,315	950	182	156	3,892	+ 3,736
Firewood	Tons	...	...	...	...	...	1,524	+ 1,524
Flour	Bags & Barrels.	7,248	11,682	12,270	18,641	13,498	13,599	+ 101
Gunnies	Bales	7,930	9,661	9,755	11,341	7,994	6,082	— 1,912
Gram and Peas, &c.	Bags	271,682	380,145	395,249	264,890	222,945	265,404	+ 42,459
Garlic	"	2,945	1,215	6,007	7,495	7,159	4,169	— 2,990
Hardware	Cases	641	1,197	1,507	2,920	1,889	1,386	— 503
Horns	Bundles	880	980	511	856	725	498	— 227
Hides	Bales	6,127	9,539	6,013	6,896	4,980	5,041	+ 61
Iron	Tons	231	293	155	202	156	236	+ 80
Iron Safes	No.	31	38	34	18	13	13	...
Kerosine Oil	Cases	...	...	500	...	...	2,643	+ 2,643
Leaves	Bundles	6,508	3,742	5,113	4,393	2,491	4,634	+ 2,143
Liquor	Cases	...	...	2,193	2,071	1,409	2,565	+ 1,156
Machinery	Tons	158	79	49	202	195	14	— 181
Millinery and Haberdashery	Cases	208	245	144	371	259	200	— 59
Oil and Turpentine.	Drums	8,340	6,369	5,941	5,829	4,573	4,984	+ 411
Paddy	Bags	...	75,980	23,737	19,988	5,163	16,727	+ 11,564
Piece-goods	Cases	3,802	4,756	3,499	4,814	3,805	1,480	— 1,166
	Bales	3,128	4,898	5,420	7,962	5,708	1,159	
Paper	Bales	224	693	247	277	243	6,557	+ 849
Paint	Kegs	15	12	5	8	6	286	+ 43
Piano	No.						...	— 6
Rice	Bags	1,147,048	205,176	110,181	111,384	80,721	74,806	— 5,915
Rose Water	Cases	1,434	1,815	1,357	1,594	1,383	1,847	+ 464
Seeds	Bags	30,406	25,747	13,916	12,061	10,514	15,580	+ 5,066
Skins	Bales	6,199	50,502	6,807	7,108	5,446	4,864	— 582
Silk	"	1,051	699	290	488	423	581	+ 158
Sandalwood	Bundles	143	121	42	265	218	100	— 118
Sugar	Bags	1,381	866	1,333	2,686	1,897	1,527	— 370
Specie	No.	202	190	193	124	25	46	+ 21
Sundries	Packages	47,533	47,137	48,614	52,703	39,574	36,462	— 3,112
Soap	Cases	445	40	147	863	675	605	— 70
Sulphur	Casks	471	544	506	295	295	508	+ 213
Spice	Packages	359	740	640	944	765	785	+ 20
Stationery	"	...	...	...	184	124	215	+ 91
Sodawater Bottles	Crates	...	...	241	1,651	1,446	...	— 1,446
Twine and Rope	Bales and Coils	839	775	1,063	1,309	1,166	468	— 698
Tin Plates	Boxes	1,807	912	858	1,248	977	497	— 480
	Slabs	...	...	...	78	61	233	+ 172
Twist	Bales	1,126	1,147	1,206	1,187	812	1,070	+ 258
Turmeric	Bags	7,224	4,977	5,433	5,185	4,517	3,520	— 997
Timber	Tons	15,137	10,595	15,264	14,154	9,434	14,230	+ 4,796
Tea	Cases	1,321	3,411	37	205	156	244	+ 88
Tamarind	Bundles	...	...	140	86	86	11	— 75
Yellow Metal	Cases		6	542	1,078	281	279	155 — 124
Horses	No.		1	15	8	...	...	... ...
Carriages	"	...		7	24	14	7	10 + 3
Tramway Materials.	Tons	...	...	...	...	13	13	42 + 29

V. STATEMENT OF GOODS EXPORTED TO FOREIGN PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Bone-Meal	Bags	...	...	...	5,448	5,057	7,167	+ 2,110
Beer and Ale	Cases	18	2	13	...	...	1	+ 1
	Casks	60	7	...	...	...	3	+ 3
Cinchona Bark	Bales	471	529	411	123	121	...	— 121
Chillies	Bags & Bundles.	2,760	9	816	883	669	747	+ 78
Cigars	Cases	1,249	556	643	613	452	537	+ 85
Coffee	Bags	23,764	34,613	17,737	27,864	10,070	10,573	+ 503
Cotton	Bales	48,202	26,140	56,768	39,607	38,904	42,899	+ 3,995
Cotton Twist	"	4,229	5,266	1,946	1,664	1,557	261	— 1,296
Coriander and Omum Seeds	Bags	8,218	1,814	7,377	10,473	10,100	5,046	— 5,054
Carpets	Bales	418	288	391	239	145	296	+ 151
Coal	Tons	905	313	599	152	152	300	+ 148
Deer Horns	Packages	1,574	1,549	767	1,477	1,124	743	— 381
Explosive	Cases	21	1	...	2	2	...	— 2
Carriages	No.	9	2	6	7	4	8	+ 4
Ground Nuts	Bags	93,132	26,209	138,211	110,328	1,06,793	64,964	— 41,829
Gram, Peas, &c.	"	519	161	1,662	489	430	150	— 280
Horns, Cow and Buffalo	Tons	62	29	1,026	71	70	139	+ 69
Hides, Tanned	Bales & Bundles.	21,848	21,812	11,149	18,519	13,019	19,169	+ 6,150
Hardware	Cases & Casks.	...	...	...	522	273	643	+ 370
Indigo	Cases & Chests.	14,622	29,933	25,008	27,416	14,515	19,365	+ 4,850
Iron	Tons	2	11	17	3	3	16	+ 13
Jaggery	Bags	28,985	56,672	52,668	17,809	17,809	10,063	— 7,746
Myrabolams	Bags	235	91	563	237	234	1	— 233
Miscellaneous	Packages	37,808	28,547	36,531	17,763	11,798	20,186	+ 8,388
Onions	Bags & Baskets	21,964	5,617	17,517	16,094	5,531	9,980	+ 4,449
Oil	Casks	434	56	208	451	443	102	— 341
Provisions	Packages	...	...	...	4,417	3,285	3,863	+ 578
Piece-goods	Bales	6,205	4,857	7,305	7,788	6,001	7,037	+ 2592
	Cases						1,556	
Potatoes	Bags & Baskets.	2,437	282	1,716	1,648	1,346	1,445	+ 99
Poonac	Bags	33,880	16,127	31,311	47,253	3,6513	52,425	+ 15,912
Piano	No.	41	10	15	5	3	7	+ 4
Paddy	Bags	...	5	22	...	...	...	...
Rice	"	1,138	3,229	16,915	44,694	38,944	1,470	— 37,474
Redwood	Tons	699	1,654	733	1,113	699	879	+ 180
Salt	Bags	...	...	...	7	7	13	+ 6
Seeds, Gingelly and Castor	Bags	1,313	12,654	14,777	90,571	75,330	10,925	— 64,405
Skins, Sheep and Goat, Tanned	Bales	32,194	34,063	31,535	38,649	29,008	29,075	+ 67
Sandalwood	Bundles	1,534	330	699	288	250	664	+ 414

V. STATEMENT OF GOODS EXPORTED TO FOREIGN PORTS.—*contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Spirits and Wine	Cases ...	332	41	67	22	16	229	+ 213
	Casks ...	977	65	40	9	9	15	+ 6
	Puncheons	...	...	...	...	...	...	...
Sugar ...	Bags ...	599	161	1,197	1,762	1,410	3,653	+ 2,243
Specie ...	Boxes ...	94	48	29	104	119	74	— 45
Tamarind ...	Bundles ...				4,737	3,445	2,296	— 1149
Turmeric ...	Bags ...	6,445	5,331	3,076	3,651	3,135	6,578	+ 3,443
Tea ...	Cases ...	2,159	941	1,562	2,156	1,613	1,565	— 48
Timber ...	Tons ...	2,265	1,769	1,649	...	...	7	+ 7
Wool ...	Bales ...	...	...	...	2,049	1,430	2,133	+ 703
Yellow Metal ...	Tons ...	1,021	1,470	1,532	7	7	...	— 7
Horses ...	No.	107	100	417	24	24	...	— 24
Ponies ...	,,	...	...	...	9	9	...	— 9
Elephant ...	,,	...	...	...	2	2	...	— 2
Lion ...	,,	...	...	...	1	1	...	— 1
Tiger ...	,,	...	...	...	1	1	...	— 1
Leopards ...	,,	...	...	...	6	6	...	— 6
Bear ...	,,	...	...	...	1	1	...	— 1
Sheep ...	,,	...	...	...	79	79	20	— 59

VI. STATEMENT OF GOODS EXPORTED TO COAST PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Beer and Ale	Cases ...	352	294	305	354	293	232	— 61
	Casks ...	159	94	91	166	115	68	— 47
	Hogsheads ...	7	41	161	107	86	106	+ 20
Boiler ...	No.	...	...	1	...	...	...	... 5
Bricks ...	100 ...	...	...	...	...	...	5	+
Cinchona Bark ...	Bales	395	84	80	...	...	376	+ 376
Chillies ...	Bags & Bundles	2,064	2,907	9,207	2,444	2,160	620	— 1,540
Cigars ...	Cases ...	1,418	1,136	789	732	484	615	+ 131
Coffee ...	Bags ...	507	1,449	541	449	404	448	+ 44
Cotton ...	Bales ...	5,721	4,245	7,080	5,295	4,912	7,360	+ 2,448
Cotton Twist ...	,, ...	4,698	6,138	3,220	3,034	2,343	3,795	+ 1,452
Coriander and Omum Seeds ...	Bags ...	2,970	7,002	6,894	2,067	2,037	2,187	+ 150
Cement ...	Casks ...	...	8,908	132	195	45	103	+ 58
Carpets ...	Bales ...	68	51	41	27	22	13	+ 9
Coal ...	Tons ...	275	450	157	480	340	392	— 52
Carriage ...	No. ...	36	47	39	85	29	31	+ 2
Deer Horns ...	Packages ...	108	151	52	...	...	1	+ 1
Explosive Eggs ...	Cases ...	2,668	1,331	1,067	46	33	7	— 26
	Pots ...	1,165	1,125	1,198	1,263	731	406	— 325
Groundnuts ...	Bags ...	27,790	17,839	16,116	63,700	46,168	26,880	— 19,288
Gram, Peas, &c. ...	,, ...	521	1,226	233	372	304	523	+ 219
Horns, Cow and Buffalo ...	Tons ...	310	307	166	106	680	338	— 342

STATEMENT OF GOODS EXPORTED TO COAST PORTS—*Contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Hides ...	Bales & Bundles	379	526	535	252	190	210	+ 20
Hardware ...	Cases & Casks	...	...	...	800	501	2,576	+ 2,075
Indigo ...	Cases & Chests	165	816	1,162	264	155	161	+ 6
Iron ...	Tons ...	2,244	2,611	755	695	371	346	— 25
Old Iron ...	,, ...	...	...	...	165	65	1,556	+ 1,491
Jaggery ...	Bags ...	258	1,448	336	488	363	1,971	+ 1,608
Kerosine Oil ...	Cases ...	10,327	659	1,117	11,005	5,754	9,673	+ 3,919
Myrabolams ...	Bags ...	1,054	291	1,112	131	42	72	+ 30
Miscellaneous ...	Packages ...	50,510	69,584	61,706	18,312	14,111	25,748	+ 11,637
Onions ...	Bags & Baskets	22,442	53,406	47,062	94,737	69,322	38,594	— 30,728
Oil ...	Casks ...	807	637	346	641	575	327	— 248
Piece-goods	Bales ...	5,615	8,651	6,368	8,852	6,510	5,870	
	Cases ...	23,637	24,388	30,592	20,068	19,811	825	+ 185
Potatoes ...	Bags & Baskets	4,770	22,131	9,853	396	365	17,872	— 1,939
Poonac ...	Bags ...	23	16	17	11	8	648	+ 283
Piano ...	No. ...		8,806	8,400	4,123	4,123	31	+ 23
Paddy ...	Bags ...	...	...	...	1,565	1,409	3,031	— 1,092
Provisions ...	Packages ...	5,448	31,893	11,083	8,196	6,135	1,922	+ 513
Rice ...	Bags ...	119	693	4	134	43	5,937	— 198
Redwood ...	Tons ...						74	+ 31
Seeds, Gingelly and Castor ...	Bags ...	16,803	2,787	36,799	68,201	59,408	43,364	— 16,044
Skins, Sheep & Goat, Tanned ...	Bales ...	721	1,046	871	1,706	1,476	431	— 1,045
Sandalwood ...	Bundles ...	153	256	2,786	373	317	39	— 278
Spirits and Wines.	Cases ...	2,982	3,783	3,045	2,534	2,034	2,017	— 17
	Casks ...	727	716	992	409	307	204	— 103
	Puncheons ...	13	189	214	...	...	...	...
Sugar ...	Bags ...	773	1,419	473	1,725	575	3,685	+ 3,110
Specie ...	Boxes ...	236	510	47	75	56	24	— 32
Salt ...	Bags ...	...	...	...	4,001	3,997	24	— 3,973
Timber ...	Tons ...	...	...	...	...	...	8	+ 8
Tamarind ...	Bundles ...	3,624	8,253	5,090	3,028	2,061	1,828	— 233
Turmeric ...	Bags ...	19,258	17,883	38,147	53,374	42,898	32,869	— 10,029
Tea ...	Cases ...	341	62	50	114	74	95	+ 21
Wool ...	Bales ...	769	603	463	478	160	963	+ 803
Yellow Metal ...	Tons ...	53	67	256	31	28	58	+ 30

V. STATEMENT OF GOODS EXPORTED TO FOREIGN PORTS.—*contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Spirits and Wine	Cases	332	41	67	22	16	229	+ 213
	Casks	977	65	40	9	9	15	+ 6
	Puncheons	...	...	...	...	...	...	...
Sugar	Bags	599	161	1,197	1,762	1,410	3,653	+ 2,243
Specie	Boxes	94	48	29	104	119	74	— 45
Tamarind	Bundles	6,445	5,331	3,076	4,737	3,445	2,296	— 1149
Turmeric	Bags	2,159	941	1,562	3,651	3,135	6,578	+ 3,443
Tea	Cases	2,263	1,769	1,649	2,156	1,613	1,565	— 48
Timber	Tons	...	...	...	...	...	7	+ 7
Wool	Bales	1,021	1,470	1,532	2,049	1,430	2,133	+ 703
Yellow Metal	Tons	107	100	417	7	7	...	— 7
Horses	No.	...	...	...	24	24	...	— 24
Ponies	,,	...	...	...	9	9	...	— 9
Elephant	,,	...	...	...	2	2	...	— 2
Lion	,,	...	...	...	1	1	...	— 1
Tiger	,,	...	...	...	1	1	...	— 1
Leopards	,,	...	...	...	6	6	...	— 6
Bear	,,	...	...	...	1	1	...	— 1
Sheep	,,	...	...	...	79	79	20	— 59

VI. STATEMENT OF GOODS EXPORTED TO COAST PORTS.

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Beer and Ale	Cases	352	294	305	354	293	232	— 61
	Casks	159	94	91	166	115	68	— 47
	Hogsheads	7	41	161	107	86	106	+ 20
Boiler	No.	...	...	1	...	...	...	...
Bricks	100	...	...	...	...	...	5	+ 5
Cinchona Bark	Bales	395	84	80	...	...	376	+ 376
Chillies	Bags & Bundles	2,064	2,907	9,207	2,444	2,160	620	— 1,540
Cigars	Cases	1,418	1,136	789	732	484	615	+ 131
Coffee	Bags	507	1,449	541	449	404	448	+ 44
Cotton	Bales	5,721	4,245	7,080	5,295	4,912	7,360	+ 2,448
Cotton Twist	,,	4,698	6,138	3,220	3,034	2,343	3,795	+ 1,452
Coriander and Omum Seeds	Bags	2,970	7,002	6,894	2,067	2,037	2,187	+ 150
Cement	Casks	...	8,908	132	195	45	103	+ 58
Carpets	Bales	68	51	41	27	22	13	— 9
Coal	Tons	275	450	157	480	340	392	+ 52
Carriage	No.	36	47	39	35	29	31	+ 2
Deer Horns	Packages	108	151	52	...	...	1	+ 1
Explosive	Cases	2,668	1,331	1,067	46	33	7	— 26
Eggs	Pots	1,165	1,125	1,198	1,263	731	406	— 325
Groundnuts	Bags	27,790	17,839	16,116	63,700	46,168	26,880	— 19,288
Gram, Peas, &c.	,,	521	1,226	233	372	304	523	+ 219
Horns, Cow and Buffalo	Tons	310	307	166	106	680	338	— 342

STATEMENT OF GOODS EXPORTED TO COAST PORTS—*Contd.*

—	Packages.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Hides	Bales & Bundles	379	526	535	252	190	210	+ 20
Hardware	Cases & Casks	...	...	...	800	501	2,576	+ 2,075
Indigo	Cases & Chests	165	816	1,162	264	155	161	+ 6
Iron	Tons	2,244	2,611	755	695	371	346	— 25
Old Iron	,,	...	...	...	165	65	1,556	+ 1,491
Jaggery	Bags	258	1,448	336	488	363	1,971	+ 1,608
Kerosine Oil	Cases	10,327	659	1,117	11,005	5,754	9,673	+ 3,919
Myrabolams	Bags	1,054	291	1,112	131	42	72	+ 30
Miscellaneous	Packages	50,510	69,584	61,706	18,312	14,111	25,748	+ 11,637
Onions	Bags & Baskets	22,442	53,406	47,062	94,737	69,322	38,594	— 30,728
Oil	Casks	807	637	346	641	575	327	— 248
Piece-goods	Bales	5,615	8,651	6,368	8,852	6,510	5,870	+ 185
	Cases	23,637	24,388	30,592	20,068	19,811	825	
Potatoes	Bags & Baskets	4,770	22,131	9,853	896	365	17,872	— 1,939
Poonac	Bags	23	16	17	11	8	648	+ 283
Piano	No.	...	8,806	8,400	4,123	4,123	31	+ 23
Paddy	Bags	...	...	...	1,565	1,409	3,031	— 1,092
Provisions	Packages	5,448	31,893	11,083	8,196	6,135	1,922	+ 513
Rice	Bags	119	693	4	134	43	5,937	— 198
Redwood	Tons	...	...	...	...	...	74	+ 31
Seeds, Gingelly and Castor	Bags	16,803	2,787	36,799	68,201	59,408	43,364	— 16,044
Skins, Sheep & Goat, Tanned	Bales	721	1,046	871	1,706	1,476	431	— 1,045
Sandalwood	Bundles	153	256	2,786	373	317	39	— 278
Spirits and Wines	Cases	2,982	3,783	3,045	2,534	2,034	2,017	— 17
	Casks	727	716	992	409	307	204	— 103
	Puncheons	13	189	214	...	...	...	...
Sugar	Bags	773	1,419	473	1,725	575	3,685	+ 3,110
Specie	Boxes	236	510	47	75	56	24	— 32
Salt	Bags	...	...	...	4,001	3,997	24	— 3,973
Timber	Tons	...	...	...	...	...	8	+ 8
Tamarind	Bundles	3,624	8,253	5,090	3,028	2,061	1,828	— 233
Turmeric	Bags	19,258	17,883	38,147	53,374	42,898	32,869	— 10,029
Tea	Cases	341	62	50	114	74	95	+ 21
Wool	Bales	769	603	463	478	160	963	+ 803
Yellow Metal	Tons	53	67	256	31	28	58	+ 30

13

VII. STATEMENT OF STORES, &c., IMPORTED BY GOVERNMENT.

Department.	Description.	Class.	1891-92.	1892-93.	1893-94.	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Accountant-General.	Specie Silver.	Boxes	403	582	533	489	277	167	— 110
	„ Copper.	„	5,100	710	780	480	180	...	— 180
	Packages ...	No.	27	1	...	...	...	13	+ 13
Public Works Department	Coke ...	Tons.	...	...	...	...	...	...	...
	Iron ...	„	271	...	...	64	64	18	— 46
	Stores ...	Pkgs.	15,148	9	19	151	...	3	+ 3
Ordnance ...	Iron ...	Tons.	...	6,494	10,812	1,875	1,202	366	— 836
	Coal ...	„	...	...	...	...	...	...	...
	Boilers ...	„	...	...	1,450	...	145	7	+ 7
	Ammunition..	Boxes	2,148	...	...	...	...	...	— 145
	Gun Powder..	„	...	...	109	13,465	8,756	2	+ 2
	Stores ...	Pkgs.	13,017	28,566	21,057	...	...	10,230	+ 1,474
	Bricks ...	100	...	...	...	16,390	14,285	53	+ 53
Madras Harbour Works.	Cement ...	Casks	1,869	...	...	50	...	8,083	— 6,202
	Stores ...	Pkgs.	3,869	...	...	14,000	5,600	34	+ 34
Clothing ...	Packages ...	No.	1,983	2,324	2,176	40	40	14,000	+ 8,400
Police ...	„ ...	„	122	167	196	1,900	825	8	— 32
Salt Revenue ...	„ ...	„	272	291	109	131	127	1,698	+ 873
Post Office ...	„ ...	„	1,119	858	742	79	74	153	+ 26
Medical ...	„ ...	„	1,779	1,007	1,920	2,886	2,322	15	— 59
Telegraphs ...	„ ...	„	34,768	24,126	9,129	1,012	229	1,515	— 807
Stationery ...	„ ...	„	732	1,197	1,156	10,770	8,211	155	— 74
Stamps ...	„ ...	„	1,961	1,122	1,861	1,115	709	10,367	+ 2,156
Commissariat ...	„ ...	„	8,588	7,420	2,562	1,611	14,10	575	— 134
Gazette Press ...	„ ...	„	161	149	97	3,611	2,987	1,752	+ 342
Marine ...	„ ...	„	729	880	806	249	242	1,959	— 1,028
Revenue Survey...	„ ...	„	297	208	25	317	214	317	+ 75
Agriculture ...	„ ...	„	380	320	140	37	33	157	— 57
Government Central Museum ...	„ ...	„	15	10	9	6	5	36	+ 3
Under-Secy. to Government ...	„ ...	„	235	504	85	6	5	3	— 2
Supt. of Prisons ...	„ ...	„	1	17	7	68	53	4	— 1
Revenue Board ...	„ ...	„	424	33	9	16	14	47	— 6
Forests ...	„ ...	„	1,196	10	3	13	9	...	— 14
Presidency College	„ ...	„	28	15	2	1	1	13	+ 4
Chemical Examiner	„ ...	„	31	31	36	4	2	60	+ 59
Medical College...	„ ...	„	73	31	41	35	33	17	+ 15
Dy. Collectors ...	„ ...	„	9	15	12	31	...	21	— 12
Astronomer ...	„ ...	„	23	13	20	...	...	2	+ 2
Presy. Pay Master.	„ ...	„	2	8	4	7	4	15	+ 15
Civil Engineering College ...	„ ...	„	...	...	44	...	10	9	+ 5
Executive Engineer, Military Works ...	„ ...	„	...	...	...	21	15	...	— 10
Agent for Government Consignments ...	„ ...	„	...	...	...	2,003	581	10	— 5
Government Botanical Gardens ...	„ ...	„	...	...	...	591	474	877	+ 296
						282	279	252	— 222
Miscellaneous Department ...	„ ...	„	28	1,057	206	94	35	191	— 88
								408	+ 373

VIII. STATEMENT OF STORES, &c., EXPORTED BY GOVERNMENT.

Department.	Description.	Class.	1891-92	1892-93	1893-94	1894-95.	Total for 9 months ending 31st December 1894.	Total for 9 months ending 31st December 1895.	Increase or decrease as compared with corresponding period of last year.
Accountant-General.	Specie Silver.	Boxes.	411	45	95	17	17	865	+ 848
	„ Copper.	„	965	200	163	180	75	25	— 50
	„ Notes...	„	6	13	8	6	4	...	— 4
	„ Packages	No.	4	1	1	5	1	7	+ 6
Bank of Madras...	„ Copper.	Boxes.	...	62	84	...	45	...	— 45
Ordnance	Packages & Pieces.	No.	8,595	5,831	9,257	8,819	6,760	5,754	— 1,006
	Gun Powder..	Boxes.	...	...	...	...	...	384	+ 384
	Ammunition.	„	...	...	...	...	...	36	+ 36
Public Works Department ...	Packages ...	No.	1,784	488	3,203	1,173	888	868	— 20
	Iron ...	Tons.	...	...	...	...	...	7	+ 7
	Packages ...	No.	1,327	1,096	998	1,160	734	992	+ 258
Clothing ...	„ ...	„	889	974	955	933	886	445	— 441
Police ...	„ ...	„	591	785	724	960	826	506	— 320
Salt Revenue ...	„ ...	„	1,377	1,610	2,166	1,027	641	443	— 198
Medical ...	„ ...	„	8,845	4,330	4,945	3,045	2,639	10,040	+ 7,401
Telegraph ...	„ ...	„	693	780	623	680	350	408	+ 58
Stationery ...	„ ...	„	220	298	236	221	161	190	+ 29
Stamps ...	„ ...	„	7,971	6,205	5,301	6,030	4,824	4,991	+ 167
Commissariat ...	„ ...	„	...	526	503	478	618	449	385 — 64
Gazette Press ...	„ ...	„	...	390	366	37	98	85	37 — 48
Marine ...	„ ...	„	...	77	37	87	105	67	5 — 62
Revenue Board ...	„ ...	„	...	51	84	53	35	22	28 + 6
Revenue Settlement	„ ...	„	...	75	452	223	138	120	49 — 71
Revenue Survey...	„ ...	„	...	...	...	...	...	...	...
Superintendent of Prisons ...	„ ...	„	...	69	196	103	58	58	17 — 41
Registration ...	„ ...	„	...	66	43	17	62	50	81 + 31
Government Central Museum ...	„ ...	„	10	...	22	13	...	...	2 + 2
Government Astronomer ...	„ ...	„	...	...	18	13	21	11	1 — 10
Govt. Botanist ...	„ ...	„	...	...	...	...	48	37	21 — 16
Registrar of High Court ...	„ ...	„	...	...	...	...	31	22	32 + 10
Asst. Engr., D.P.W. Govt. Brickfield	„ ...	„	...	...	...	...	52	52	... — 52
Miscellaneous Department ...	„ ...	„	95	71	55	24	28	166	+ 138

To

THE SECRETARY,
Harbour Trust Board, Madras.

S. HUTCHENCE,
Traffic Manager,
Harbour Trust.

MADRAS HARBOUR WORKS.

Report of Progress on the Madras Harbour Works for the Quarter ending 31st December 1895.

Accompanying this report are the following plans and statements :—

42 (*a*). A plan of the Harbour to a scale of 200 feet to an inch, showing in red the position and quantity of work done during the quarter. The Contours in half fathoms, shown on this plan in black lines inside the Harbour, are those of the latest Marine Survey made in 1895. The Contour lines outside the Harbour in blue are those of the Survey of 1893.

2. The position of the High Water Marks of 31st December 1895, and that of the previous three months both to the North of the revetment and the South of the Harbour, are shown for comparison.

43 (*c*). A statement comparing the expenditure on different Sub-heads.

43 (*d*). A statement showing work done under different Sub-heads, and particulars of Cement received, and issued.

3. **North Pier Capping.**—During the quarter the North Pier Capping was extended towards shore by 618 feet 6 inches which completed a total length of 3,147¾ lineal feet of the North Pier, to the Sanctioned Design, measured from the Pier Head.

4. This length of capping was formed of 26 Blocks of concrete built in situ, averaging 24 feet in length × 24′ wide × 4½ deep, and was equal to 2,536½ cubic yards of concrete placed in position in 57 working days.

5. Hard wood sleepers have been built into the capping throughout its length, for a line of rails to be laid upon it, as soon as the capping reaches shore, and a recess has been left in the capping for the transfer of the bulk-oil discharge pipe, from its temporary position, to the top of the capping.

6. **South Pier Capping.**—During the quarter, the South Pier Capping was extended towards shore by 1,228 lineal feet, which completed a total length of 2,083 lineal feet of the South Pier, to the Sanctioned Design; measured from the Pier Head.

7. This length of capping was formed of 51 Blocks of concrete built in situ, averaging 24 feet in length × 24 feet wide × 6⅜ deep, and was equal to 7161¼ cubic yards of concrete placed in position in 65 working days.

8. Hard wood sleepers have also been built into the capping throughout its length for a line of rails to be laid upon it, as soon as the capping is completed.

9. **Pallavaram Quarries and Concrete-making Machinery.**—The total out-turn of concrete made for the capping and other works during the quarter was 8,701 cubic yards; and the out-turn of blasted chips, received from the Pallavaram Quarries during the quarter amounted to 10,891¾ tons.

10. **Summary of Progress.**—The following statement is the Summary of progress made on the Harbour Works during the quarter under review.

11. **Supply of Portland Cement.**—The S. S. "Mira" arrived with 250 Casks of Portland Cement, containing Tons 44-12-3-12

S.S. "Golconda"	do.	do.	2,200	Casks	Tons 392-17-0-16
S.S. "Rewa"	do.	do.	1,046	,,	,, 186-15-2-24
S.S. "Dunera"	do.	do.	1,044	,,	,, 186- 8-2- 8
S.S. "Den of Airlie"	do.	do.	220	,,	,, 39- 5-2-24

and a further supply of Tons 600 was due on previous Indents at the close of the quarter.

12. The balance of Cement in Store on the 31st December 1895 was Tons 212-13-3-12.

13. The issue of Cement during the quarter ending 31st December was 8,686¼ casks, containing Tons 1,550-1-2-10.

14. **Expenditure.**—The expenditure upon the works during the quarter was Rs. 1,25,920-0-0 including establishment, &c., and the quarter closed with a balance upon the revised estimate of Rs. 1,50,453-0-0 including materials, Cement and Stores, already upon the works on the 31st December 1895.

15. **High Water Mark North of Harbour.**—The line of revetment north of the Harbour has shown no further settlement, and the bay formed by erosion at the end of the revetment, commenced to fill in again early in October. On the 31st December 1895, accretion had taken place, which had advanced the High Water Mark eastwards by 250 feet.

16. **Sea Bottom within the Harbour.**—The High Water Mark inside the Harbour has receded 170 feet near the South Pier and about 100 feet, between the Iron Pier and the South Pier, due to the change of Monsoons.

17. The sand bank has been washed, or travelled along the South Pier, and thrown up at the High Water Line, and carried across the Harbour as usual, which has advanced the High Water Mark along the northern half of the Harbour by 60 feet.

18. The depth of water inside the Harbour has remained the same, but at the entrance, between the two Caissons, it was expected that the bar of sand formed across the entrance, reported in para. 32 of last report, would have, in great part, been washed away South, as soon as the North East Monsoon set in, but further soundings taken in January 1896, or 3 months later, shows a further shallowing of 4 and 5 inches, instead of any deepening.

19. **Fore-Shore South of Harbour.**—The High Water Line of December 1895 to the South of the Harbour, has receded by 200 feet near the South Pier during the quarter, but its position in September 1895, showed the greatest advance or accretion on record.

20. The erosion reported between 1893-94 about 2 miles South of the Harbour, ceased in December 1894, and the High Water Line of December 1895, at 2 miles South of the Harbour, was identical in position with that of December

1894, while further South, or 2½ miles from the Harbour the High Water Line of 1895 was 50 feet in advance or East, of the High Water Line of December 1894, showing a steady accretion, which would appear to be the cause of the Harbour entrance shallowing.

21. The following was the change, or advance of the foreshore, South of the Harbour in December 1895.

HIGH WATER MARK OF DECEMBER 1895.

at								
¾	mile South of Harbour, was	55′	in advance, or East of High Water Line of Dec.'94					
1	,,	,,	,,	50′	,,	,,	,,	,,
1¼	,,	,,	,,	42′	,,	,,	,,	,,
1½	,,	,,	,,	12′	,,	,,	,,	,,
1¾	,,	,,	,,	0	,,	,,	,,	,,
2	,,	,,	,,	0	,,	,,	,,	,,
2¼	,,	,,	,,	35′	,,	,,	,,	,,
2½	,,	,,	,,	50′	,,	,,	,,	,,

22. **Screw Moorings.** Ten Screw Moorings were put down to 21 feet below bed level, and 9 old Moorings were raised.

23. Six new large Buoys were fixed to the new screws, and 5 old Buoys were removed during October and November 1895.

A. LEE-POGSON,
Engineer, Harbour Trust Board.

MADRAS HARBOUR WORKS,
17-2-1896.

Progress Statement No. 43 (d).

MADRAS HARBOUR WORKS.

Statement showing Progress during Quarter ending 31st December 1895, as shown on accompanying Lithographed Plan, No. 42

		Sub Head of Works.	North Pier Concrete Capping.	South Pier Concrete Capping.	Pallavaram Quarries Out-turn.	Concrete made at mixing Station.	Railway lines at Works.	Total Expenditure during Quarter.	Remarks.
		Column.	A.	B.	C.	D.	E.	F.	
1	Total quantity blasted chips received on works. Tons...	...	...	...	10,891¾	...	...	...	
2	Concrete Blocks made in situ, capping ... No...	...	26	51	...	...	...	...	
3	Total out-turn of concrete ... ... c. yds...	...	2,536½	7,161¼	...	8,701	...	...	
4	Advance or Progress of completed work ... Ry. ft...	...	618'-6"	1,228	...	...	...	...	
5	Broad Gauge line, taken up ... .. „ ...	...	618'-6"	1,228	...	...	...	...	
6	Titan Line, taken up	...	618'-6"	1,228	...	...	1,794	...	
7	Approximate expenditure under sub-head of works Rs.	...	3,209	3,941	12,988	91,328	...	1,11,466	

					Tons.	Cwt.	Qrs.	lbs.	Quantity due on Indents	Tons.	Cwt.	Qrs.	lbs.
4,752	Casks of cement received on works during Quarter ending 31st Dec. 1895, containing.				848	11	1	20	...	...	600	0	0	0
8,686¼	Do.	do.	issued for	do.	do.	do.	1,550	1	2	10	...	...	...	...	...	...
1,192	Do.	do.	balance in store at the end of	do.	do.	do.	212	13	3	12	...	...	...	...	..	...

MADRAS HARBOUR WORKS,
15th February 1896.

A. LEE-POGSON,
Engineer, Harbour Trust Board.

18

Statement No. 43 (c).

MADRAS HARBOUR WORKS.

COMPARISON OF EXPENDITURE TO DATE WITH SANCTIONED ESTIMATE FOR THE QUARTER ENDING 31st DECEMBER 1895.

	Sub-head of Work.	As per Estimate Sanctioned in Secretary of State Despatch, No. 41, dated 26th September 1895. Vide G. O., No. 2817 W., Dated 6th November 1895.				As Executed.						Arrears not paid.		Value of work done up to date, columns 11 and 12.		Remarks.
		Quantity.	Rate.	Per.	Cost.	Total.	Quantity.	Rate.	Expenditure. Total up to end of last Quarter.	During the Quarter.	Up to date.					
	1	2	3	4	5	6	7	8	9	10	11	12		13		
			Rs. A. P.		Rs.	Rs.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.		
	Expenditure up to 31st December 1884.															
1	Works	.....	...	... ...	55,09,324	...	...	... ...	55,09,324 8 10	... ...	55,09,324 8 10	...	... ...	55,09,324 8 10		
2	Establishment	.....	...	... ...	5,29,904	...	...	... ...	5,29,904 0 0	... ...	5,29,904 0 0	...	... ...	5,29,904 0 0		
3	Tools and Plant	.....	...	... ...	5,15,262	...	...	... ...	5,15,262 6 0	... ...	5,15,262 6 0	...	... ...	5,15,262 6 0		
	Total...	.....	...	... ...	...	65,54,490	...	... ...	65,54,490 14 10	... ...	65,54,490 14 10	...	... ...	65,54,490 14 10		
	Revised Estimate.															
4	Alteration and extension of block ground ... Prely...	.....	...	... ...	5,892	5,892	...	... ...	5,892 0 11	... ...	5,892 0 11	...	... ...	5,892 0 11		
	North Pier.															
5	Ordinary rubble deposited from breakwater. Tons	13,930	1 12 0	Ton	24,378		13,930	1 12 0	24,377 9 0	... ...	24,377 9 0	...	... ...	24,377 9 0		
6	Do from boats ... ,,	2,06,896	2 0 5	,,	4,19,218		2,05,477	2 0 8	4,15,132 8 10	... ...	4,15,132 8 10	4,085 7 2		4,19,218 0 0		
7	Concrete blocks for building ... ... C. yds.	51,320	11 8 0	C. yd.	5,90,110		51,320	11 8 0	5,90,110 0 0	... ...	5,90,110 0 0	...	... ...	5,90,110 0 0		
8	Setting blocks at commencement of new work ,,	2,615	2 1 1	,,	5,415		2,615	2 1 1	5,414 11 2	... ...	5,414 11 2	...	... ...	5,414 11 2		
9	Do. from 2,200 to 3,600 feet ... ,,	36,520	2 14 3	,,	1,05,569		36,520	2 14 3	1,05,569 0 0	... ...	1,05,569 0 0	...	... ...	1,05,569 0 0		
10	Do. at Pierhead ... ... ,,	12,185	9 8 11	,,	1,16,424		12,185	9 8 10	1,16,415 4 0	... ...	1,16,415 4 0	...	... ...	1,16,415 4 0		
11	Concrete in mass for filling ... ... ,,	263	4 8 3	,,	1,188		263	4 8 3	1,188 0 7	... ...	1,188 0 7	...	... ...	1,188 0 7		
12	Wavebreaker blocks ... ... ,,	288	9 5 7	,,	2,692		288	9 5 7	2,692 0 0	... ...	2,692 0 0	...	... ...	2,692 0 0		
13	Do. concrete blocks ... ... ,,	77,355	10 14 11	,,	8,45,591		69,863	12 1 8	8,45,459 12 4	... ...	8,45,459 12 4	...	... ...	8,45,459 12 4		
14	Depositing do. ... ... ,,	77,932	1 0 0	,,	77,928		70,457	1 1 8	77,918 8 4	... ...	77,918 8 4	9 7 8		77,928 0 0		
15	Concrete in protection to Rubble Base ... ,,	1,986	12 2 8	,,	24,158		2,029	10 5 0	20,927 6 7	... ...	20,927 6 7	...	... ...	20,927 6 7		
16	Cramps, Iron ... ... No.	331	9 10 1	Each	3,188		313	10 3 0	3,188 0 0	... ...	3,188 0 0	...	... ...	3,188 0 0		
17	Concrete capping ... . C. yds.	16,352	16 4 3	C. yd.	2,65,989		18,545½	13 10 6	2,14,311 11 11	31,479 10 10	2,45,791 6 9	7,420 2 1		2,53,211 8 10		
18	Cost of North Pier Caisson and setting in position and filling same as items 26, 27, 33 and 34 ... ... ,,	.....	...	... ...	1,03,855		...	... ...	1,03,854 15 10	... ...	1,03,854 15 10	...	... ...	1,03,854 15 10		
	Total for North Pier...	.....	...	... ...	...	25,85,703	...	... ...	25,26,559 8 7	31,479 10 10	25,58,039 3 5	11,515 0 11		25,69,554 4 4		
	South Pier.															
19	Ordinary rubble deposited from boats ... Tons.	1,75,078	2 9 0	Ton	4,49,052		1,73,659	2 9 4	4,44,126 1 4	... ...	4,44,126 1 4	4,925 14 8		4,49,052 0 0		
20	Large do. deposited from breakwater... ,,	8,615	1 12 0	,,	15,075		8,615	1 12 0	15,075 13 0	... ...	15,075 13 0	...	... ...	15,075 13 0		
21	Concrete blocks for building ... ... C. yds.	45,066	11 3 1	C. yd.	5,04,510		43,341½	11 10 3	5,04,510 0 0	... ...	5,04,510 0 0	...	... ...	5,04,510 0 0		
22	Setting blocks at commencement ... ,,	2,556	3 1 6	,,	7,912		2,556	3 1 6	7,911 13 3	.. ..	7,911 13 3	...	... ...	7,911 13 3		
23	Do. from 2,550 to 3,700 feet ... ,,	30,160	3 7 11	,,	1,05,461		30,160	3 7 11	1,05,461 0 0	... ...	1,05,461 0 0	...	... ...	1,05,461 0 0		
24	Do. at Pierhead ... ... ,,	12,350	11 1 3	,,	1,36,845		12,351	11 0 10	1,36,476 5 8	... ...	1,36,476 5 8	...	... ...	1,36,476 5 8		
25	Concrete in mass for filling ... ... ,,	602	7 9 1	,,	4,555		602	7 9 1	4,554 14 4	... ...	4,554 14 4	...	... ...	4,554 14 4		
26	Do. in Cylindrical Pierhead ... ,,	2,355	15 0 0	,,	35,325		...	... ...	35,323 3 0	... ...	35,323 3 0	...	... ...	35,323 3 0		
27	Do. in filling in between Coursed Block-work and Caisson ... ... ,,	791	15 0 0	,,	11,865		790½	15 0 4	11,865 0 0	... ...	11,865 0 0	...	... ...	11,865 0 0		
28	Wavebreaker concrete blocks ... ... ,,	47,231	11 1 6	,,	5,24,070		42,589¾	12 4 7	5,23,203 11 0	... ...	5,23,203 11 0	...	... ...	5,23,203 11 0		
29	Depositing do. ... ... ,,	47,714	1 5 8	,,	64,708		41,073	1 9 0	64,260 3 9	... ...	64,260 3 9	...	... ...	64,260 3 9		
30	Concrete in protection to Rubble Base ... ,,	1,700	13 4 11	,,	22,620		1,328¾	13 14 2	18,460 3 6	... ...	18,460 3 6	...	... ...	18,460 3 6		
31	Cramps, Iron ... ... C. yds.	259	11 7 7	Each	2,972		220	13 8 1	2,972 0 0	... ...	2,972 0 0	...	... ...	2,972 0 0		
32	Concrete capping ... ... No.	16,247	15 12 9	C. yd.	2,56,687		13,168¼	12 12 3	85,685 4 10	80,387 11 11	1,66,073 0 9	2,011 8 4		1,68,084 9 1		
33	Iron Caisson ... ... No.	1	... ...	,,	18,000		...	... ...	18,000 0 0	... ...	18,000 0 0	...	... ...	18,000 0 0		
34	Preparing Base for and setting Cylindrical Pierhead... ... ... ,,	.....	...	... ...	38,596		...	... ...	38,399 10 11	... ...	38,399 10 11	...	... ...	38,399 10 11		
	Total for South Pier...	.....	...	... ...	...	21,98,554	...	... ...	20,16,285 4 7	80,387 11 11	20,96,673 0 6	6,937 7 0		21,03,610 7 6		
	Extending the Rubble Revetment protecting the foreshore North of Harbour.															
35	Rubble Stone Revetment ... ... Tons	70,600	2 1 0	Ton	1,45,613	...	91,051	1 8 8	1,40,093 13 2	... ...	1,40,093 13 2	...	... ...	1,40,093 13 2		
36	Railway Lines	.....	...	... ...	9,849	...	...	... ...	11,665 7 10	... ...	11,665 7 10	...	... ...	11,665 7 10		
					...	1,55,462	...	... ...	1,51,759 5 0	... ...	1,51,759 5 0	...	... ...	1,51,759 5 0		
						6,11,656	...	... ...	6,11,541 9 10	... ...	6,11,541 9 10	...	... ...	6,11,541 9 10		
37	Tools and Plant	.....	...	....	...	2,47,970	...	... ...	2,27,541 0 9	1,022 13 9	2,28,563 14 6	184 13 9		2,28,748 12 3		
38	Contingencies	.....	...	....	...	6,73,445	...	... ...	6,49,070 6 7	13,087 8 7	6,62,157 15 2	4,378 6 2		6,66,536 5 4		
39	Establishment	.....	...	....	...	...	1,341⅓	14 6 4	15,074 5 10	... ...	15,074 5 10	4,242 13 1		19,317 2 11		
40	Materials at site (Concrete blocks in yards)... C. yds.	.....	...	....	...	...	...	... ...	34 3 2	... ...	34 3 2	...	... ...	34 3 2		
41	Advances to Work-people	.....	...	....	...	...	...	... ...	62,03,757 13 3	1,25,997 13 1	63,29,735 10 4	27,258 8 11		63,56,994 3 3		
	Total of Estimate and value of work done...					64,78,682	...	... ...	—1,449 7 0	—58 0 5	—1,507 7 5	...	... ...	—1,507 7 5		
	Deduct Probable recoveries due to sales of Tools and Plant	.....	...	....	...	2,80,664	...	... ...	62,02,308 6 3	1,25,919 12 8	63,28,228 2 11	27,258 8 11		63,55,486 11 10		
	Total...					61,98,018										
	Total of revised Estimate sanctioned in Secretary of State's Despatch, plus expenditure before 31st December 1884					1,27,52,508	...	... ...	1,27,56,799 5 1	1,25,919 12 8	1,28,82,719 1 9	27,258 8 11		1,29,09,977 10 8		
	Total sanctioned Cost for completion of works					1,27,52,508										
	Add recovery on Tools and Plant					2,80,664	1,30,33,172									
	Deduct Total Expenditure as per column 11						1,28,82,719									
	Total amount available for completing Works after Quarter ending 31st December 1895					...	1,50,453									

Grant for 1895-96 Rs. 3,79,77,12-2 — 1,25,11,921-5-7 — 1,28,83,719-1-9

Total outlay to 31st December 1895... Rs.

Expenditure up to 31st March 1895 from commencement of Works ... Rs.
Do. during current official year from 1st April 1895 to 31st December 1895

MADRAS,
17th February 1896.

C. R. KRISHNA ROW,
Accountant,
M. H. Works Office.

A. LEE-POGSON,
Engineer, Harbour Trust Board.

No 282 S.E.
8-1-96

Forwarded through C/
tending Engineer, 2nd.
favourable consid
2. The Supervisors ca
Complex, but on going
fully its intelligible,
the undersigned to be wo
tion.
3. If the administrative diff
in the way of making him a
ant Engineer on the Imperial
is unseparable. It might perhaps be
found practicable to appoint him a
Assistant Engineer on the Provincial
est
4. He is well qualified for a
on the Engineer Establishmen
energetic intelligent; he
out work, and manage those
him efficiently. He is mu
in investigating Schemes
Tank Supply Chl. Scheme
he is now completing
Hogel Scheme, and I
ired to formulate
a Complete proposal
Scheme
with
of some of the basi
e Rivers of Nell

Ardmay
Camp Gauri Udayagiri
4. X 95

Letter from the Executive Engineer, Nellore Division, to the Superintending Engineer, 2nd Circle. No. 404 S.E. dated 8th July 1896.

I have the honor to forward herewith this office No. 282 S.E. dated 8th Octy 95, which ought to have been sent as an enclosure to my No. 364 S. dated 9th Jany 96. forwarding a memorial from Mr. V. Srinivasa Iyengar, Sub-visor, and which by some mistake in my office, has been detained here.

Encls: 1

601 M2
No. 20.2.96 Copy forwarded to the Chief Engineer, Public Works Department in Continuation of No. 528 M2. dated 21st Jany 96

No. 498 C 29.1.96

(By order,)
Wm. M. Ellis
Executive Engineer,
For Superintending Engr.
2nd Circle.

18/2/

P. W. CURRENT No. 1812

(Lo No 55)

From

The Supg Engineer

Second Circle

To The Chief Engineer

P. W. Department

Dated 20th February 1896

Encl 1

No. 601 M

Mr V. T. Srinivasa Iyengar

Supervisor — Forwards

copy of Nellore Dr E Es

letter enclosing his No 282 dt 8.10.95

as enclosed to the memorial

presented by —

Encl 1

Rec'd: 22.2.96

awaiting receipt from the Educational Dept of comptn

W No 498 C of 29-1-96.

1st Reminder issued on 25/3/96

Copies sent 25.2.96

Ms. II
1525 M
14.1.96

To

His Excellency the Right Honorable Beilby Baron Wenlock, G. C. I. E.,

GOVERNOR IN COUNCIL, MADRAS.

The humble memorial of V.T. Strinivasa Aiyengar,
B.A., B.C.E., *Supervisor D. P. W., Nellore District,*

MOST RESPECTFULLY SHOWETH:—

1. That he was a student of the College of Engineering, Madras, standing second in the theoretical examination for Engineers held in December 1889, and has since undergone successfully a practical course for two years. He prays that the Government may be pleased to confer on him one of the appointments in the Assistant Engineer Grade in the D. P. W., of this presidency.

2. That under the proceedings of the Government of India, dated 13th December 1884, 1443 G., one Assistant Engineer is always selected from the students of the College of Engineering, Madras, every year, and to the most successful of the students the post is guaranteed.

Encl 85

3. That on the change of the Curriculum introduced in 1886, by which the course of study was extended from two to five years, three such Assistant Engineer's posts fell vacant, as there were no passed students to select from during the years 1888, 1889 and 1890.

4. That on the application of the students of the college, to guarantee one appointment to the College in addition to the usual appointment, the Government of India, in their order No. 2523 G., dated 21st December 1887, decided that the additional vacancy might be filled up by the second best of those, who should pass in 1888, the appointment being made in April 1889. It is clear that, on the date of the order, the Government of India contemplated only one such additional vacancy falling, as it was stated that the course extended from *two* to *three* years, while the fact that the course of study was extended from two to *five* years and not from two to three was overlooked. Memorialist begs leave to submit that the principle of the question operated against persons, in the standing of the memorialist, evidently by mistake, because the difference in the number of the appointments to fill up was three instead of as supposed by Government only one.

5. That the application of the principle enunciated by the Government of India was sound in itself, (viz) that the student, who would have been selected, if there had been an examination in 1888, to fill up the guaranteed post for 1888, should be the second best in the next year, but it did not go further for the reason given in the last para.

6. That if they had contemplated the falling in of three vacancies, which in fact occurred, memorialist has little doubt that the Government of India would have passed a similar order for the two other vacancies.

71
28-1-96

7. That the memorialist represented these facts to the Government of Madras, but they decided that they adhered to the principle stated in their order No. 260 W., dated 7th May 1889, which sets out, that there is no ground for making additional appointments from the College, and that the students do get as many as before, only two years later. But considering the facts, that if there had been a regular examination each year, all these vacancies would have been conferred on the College students, and that the vacancies had fallen in abeyance, because no selections had been made for the years 1888, 1889 and 1890, which selections ought to have been made from the College students, memorialist respectfully submits that these vacancies are to be considered as due to the College students, and that they have a preferential claim to them.

8. That the principle of conferring appointments conditionally on the results of the theoretical examination, as was done in Order No.260 dated 7th May 1889, does not seem to be in keeping with the orders of the Government of India, which require the nominees to have passed through the courses fixed by the College most successfully, and to have taken the degree of B. C. E. According to the rules now in force, no candidate is considered fit to receive a diploma (college) unless be completes the practical course *successfully* which forms a part of the course of study fixed for the Engineers. Further, the University does not confer the degree of B. C. E., until the successful candidates in the theoretical examination produce a certificate from the College in token of having undergone the practical course successfully. Thus the nominees are neither A. C. E's nor B. C. E's at the time of their nomination.

9. That the Government of Madras, on a subsequent petition presented by memorialist, passed an order that he had no *claim* for an appointment in the Engineer Grade—No. 1223 W. of 13th April 1892. But he begs to be excused for submitting that he still considers he has a claim according to the principle recognised by the Government of India in their Order No. 2529-G. dated 21st December 1887 as shown in para 5, and for praying that the principle may be interpreted in the light explained above, as it is in consonance with the views of the Government of India. Under this principle, 13 vacancies intervene between the years 1885 and 1897, when the Provincial Scheme comes into force, but only 11 of them would be filled up, the two others remaining in abeyance and lost to the College for ever.

10. That the memorialist craves leave to submit that, since entering the department, he rendered exceptional service in the investigation of new projects, and that he has been specially recommended on several occasions by his immediate superiors.

Under the foregoing circumstances, memorialist trusts that the Government will be pleased to take into favourable consideration the peculiar hardship involved in the fact now submitted, (*viz*) loss of two guaranteed appointments to the College. He accordingly prays that the Government will be gracious enough to reconsider their previous Order No. 1223-W. of 13th April 1892, and bestow on him one of those two guaranteed appointments still at the credit of the College.

For which act of kindness and justice, memorialist will ever pray.

L.I. ENGINEER'S OFFICE
R. No. 809
8 JAN 96
P.W.D.
NELLORE LIMITS

Oct-1
337/86

Oct-2
671/86

[G. 53]
5000-6-2-96.

Educational *Department.*

CHIEF SECRETARIAT MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper :—

Endorsement of the Public Works Department, dated 29th. January 1896, No. 498 C.

Memorandum from the Public Works Department, dated 25th. March 1896, No. 498/1 C.

----------O----------

O R D E R, No. 187, dated 31st. March 1896.

The petitioner's request cannot be granted.

(True extract)

Ag. Under Secretary,
for Chief Secretary.

To-The Public Works Department.(with copy of the petition)

[G. 16]

Govt. of {1896 Madras.

To

The Public Works Dept.

Proceedings, dated 31st March 1896.
No. 187.

Subject.

Rejecting the application of V. T. Srinivasa Iyengar for an Asst Engineer's Place.

17-9-92 to 4-11-92
10-9-92 to 25-3-95
12-8-92 to 22-3-96
12-8-92 to 22-3-96
1-7-92 to 3-3-96
12-4-92 to 12-2-96
3-3-92 to 10-8-96
26-2-92 to 10-3-96

1,000—20-2-93.

3372.

Encl 1
Cir 1812 to
Con instn on this Proc: 4-4-96
Copy of letter under

No. 1222 W. dy 7 April '96

B

Communicated
Communicated
to the Supdg Engr II
to the Supdg Engr II
Circle, for his V.J.
Circle, for his V. J.
Srinivasa Aiyangar's
Srinivasa Aiyangar's
information, with
information, with
reference to the S. Engrs
reference to the S. Engrs
endorsement No 528 WL
endorsement No 528 WL
dated 21 Jan. 1896
dated 21 January 1896.

6/4/96

C&M
4.4.96.

Supdg Engr II Circle
S.E. II Circle

10/4