Archives I—10,006—16-8 77.

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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. / B.P. No.	602 — W	Press. / Mis.
Dated	9 · 3 · 1882	~~197~~

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602/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

9th March 1882, No. 602 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 77. Endorsement of the Superintending Engineer, Fifth Circle, dated Camp Shatiatope, 25th February 1882, No. 1110.

From Major R. R. E. DRAKE-BROCKMAN, R.E., Executive Engineer, Buckingham Canal, to the Superintending Engineer, Fifth Circle, dated Chepauk, 30th January 1882, No. 2706.

I HAVE the honor to forward the traffic return of the Buckingham Canal for the half-year ending 31st December 1881 for submission to the Chief Engineer, Public Works Department.

2. The following is a statement showing the comparison of the results of the collection of tolls and license fees for the calendar years 1880 and 1881 :—

Canals.	Items.	For 1880.			For 1881.			Increase between Columns 5 and 8.	Decrease between Columns 5 and 8.
		Half-year ending 30th June 1880.	Half-year ending 31st Decr. 1880.	Total.	Half-year ending 30th June 1881.	Half-year ending 31st Decr. 1881.	Total.		
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Southern Canal	Tolls ..	2,992	10,389	13,381	9,705	8,114	17,819	4,438	..
	License fees.	617	569	1,186	1,053	637	1,690	504	..
Northern do.	Tolls ..	34,171	42,856	77,027	34,443	39,975	74,418	..	2,609
	License fees.	9,487	8,727	18,214	15,146	7,454	22,600	4,386	..
Miscellaneous ..	Receipts ..	..	..	..	..	3,528	3,528	3,528	..
Total ..	..	47,267	62,541	1,09,808	60,347	59,708	1,20,055	12,856	2,609
Net Increase of Revenue for 1881.	..	..	..	..	..	..	..	10,247	..

3. From the above statement it is apparent that there is a net increase of Rs. 10,247 in 1881 on the revenue realized in 1880, as anticipated in my letter No. 1715, dated 12th September 1881, embodied in G.O., No. 2412 W., dated 30th September 1881, but I should record here that this increase would have been more had it not been to some extent for the compounding system introduced in G.O., No. 2462 W., dated 25th October 1880, and which was only brought into operation in 1881. In my last report I stated that this compounding system might not affect the realisation of the tolls, but after the compilation of the return for the whole year I find that a decrease of Rs. 2,609 results owing to this particular item, notwithstanding that no

less than 111 boats have been newly constructed and brought into use on the canal in addition to the number registered in 1880, as shown below :—

	Number of Boats Registered in 1880.	Number of Boats Registered in 1881.	Increase.
A or Sadras Section ...	113	125	12
B or Madras do. ...	40	44	4
C or Pulicat do. ...	740	795	55
D or Kistnapatam do. ...	22	35	13
E or Rámapatnam do. ...	34	45	11
F or Kothapatam do. ...	43	59	16
Total ..	992	1,103	111

4. The total number of boats for which compounded licenses were taken during the year under report was 44, with a carrying power of 353 tons, but it appears from the registration now going on for the current year, of which though the first month has hardly expired, that the number of boats which have obtained compounded licenses for the year amounts to 47 with a capacity of 437 tons. From this circumstance it may be concluded that the boat-owners find it considerably to their advantage to compound their licenses, and this, I think, will necessarily bring about a decrease of revenue in tolls. It is probable that the delays experienced at the several toll bars have operated to driving the boat-owners thus to take out compound licenses.

SUBMITTED to the Chief Engineer, Public Works Department.

(Signed) H. L. PRENDERGAST, Colonel, R.E.,
Superintending Engineer, Fifth Circle.

STATEMENT of Traffic, &c., on Buckingham Canal in the Madras Presidency for the Half-year ended 31st December 1881.

Sections of Canal.	HALF-YEAR ENDED 31ST DECEMBER 1881.							HALF-YEAR ENDED 30TH JUNE 1881.					
	Tolls.	Nature of Cargo.	Number of Boats.	Tons.	Ton Mileage.	Value of Cargo.	Number of Passengers.	Tolls.	Number of Boats.	Tons.	Ton Mileage.	Value of Cargo.	Number of Passengers.
1	2	3	4	5	6	7	8	2	4	5	6	7	8
Southern Canal.	RS. A. P.					RS.		RS. A. P.				RS.	
1. A or Sadras Section	2,685 12 0	Salt	1,061	10,743	239,367	6,87,313	..	3,442 4 0	1,509	13,780	314,728	9,81,350	..
	259 12 0	Food-grains ..	262	1,107	49,163	40,991	109	137 12 0	99	878	25,130	14,299	..
	559 13 0	Firewood ..	812	3,407¼	75,715	25,362	6	..	..	..	..	..	..
	306 8 0	Shells	286	1,400	66,434	4,783	..	..	..	..	..	..	..
	1 0 0	Live-stock ..	7	27	818	80	66	..	1	6	252	10	..
	3,391 0 0	Miscellaneous ..	2,807	17,934	99,467½	43,693	242	5,038 12 0	3,904	26,761	249,207	90,980	..
	910 4 0	Passengers ..	2,435	8,784	152,707	580	39,973	1,086 8 0	2,352	11,460	220,844	..	48,499
Total ..	8,114 1 0		7,670	43,402¼	683,671½	8,02,802	40,396	9,705 4 0	7,865	52,885	810,161	10,86,639	48,499
Compounding Tolls	..		..	..	..	..	..	150 0 0	..	..	..	..	..
License Fees	637 0 0		..	..	..	..	..	903 0 0	..	..	..	..	..
Total, Southern Canal ..	8,751 1 0		..	..	..	..	..	10,758 4 0	..	..	..	..	..
Northern Canal.													
2. B or Madras Section	9,267 12 0	Salt	1,639	37,071	592,688	23,44,141	..	5,930 12 0	962	23,723	376,704	15,88,523	..
	3,113 12 0	Food-grains ..	1,220	13,006	213,408	3,61,866	1,396	994 0 0	495	6,364	80,716	1,78,927	..
	6,409 0 0	Firewood ..	2,070	25,782	413,536	1,68,555	41	..	..	..	..	..	..
	2,772 12 0	Shells	603	11,006	176,704	23,578	..	..	..	..	..	..	..
	9 8 0	Live-stock ..	9	62	1,792	5,086	28	..	2	1,061	1,662	280	..
	2,193 2 0	Miscellaneous ..	6,495	99,929½	449,816	25,82,495	7,844	11,024 11 0	7,487	103,831	1,410,370	24,62,284	..
	553 4 0	Passengers ..	1,738	8,371	307,696	45,669	16,242	1,024 8 0	2,150	23,853	530,448	..	28,419
Total ..	24,319 2 0		13,774	195,227½	2,155,640	55,31,390	25,551	18,973 15 0	11,096	158,332	2,399,900	42,30,014	28,419
3. C or Royadoruvu Section ..	..	Salt	..	..	..	..	..	..	..	..	..	..	..
	2,005 12 0	Food-grains ..	1,143	11,934	572,400	3,95,025	1,572	792 0 0	415	3,889	186,316	99,264	..
	155 12 0	Firewood ..	168	2,105	101,040	14,786	6	..	..	..	..	..	..
	..	Shells	2	38	1,824	200	..	..	..	..	..	..	..
	13 0 0	Live-stock ..	8	66	3,168	17,500	20	1 0 0	1	4	192	320	..
	3,639 7 0	Miscellaneous ..	2,308	26,893¾	678,128	31,39,155¼	7,722	4,180 9 0	2,266	22,728	391,590	12,76,700	..
	708 8 0	Passengers ..	688	4,042	194,496	7,057	6,219	890 8 0	748	5,309	256,512	..	10,685
Total ..	6,522 7 0		4,317	45,078¾	1,551,056	35,73,723¼	15,539	5,864 1 0	3,430	31,930	834,610	13,76,284	10,685

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Statement of Traffic, &c., on Buckingham Canal in the Madras Presidency for the Half-year ended 31st December 1881—*contd.*

Sections of Canal.	Half-year ended 31st December 1881.							Half-year ended 30th June 1881.					
	Tolls.	Nature of Cargo.	Number of Boats.	Tons.	Ton Mileage.	Value of Cargo.	Number of Passengers.	Tolls.	Number of Boats.	Tons.	Ton Mileage.	Value of Cargo.	Number of Passengers.
1	2	3	4	5	6	7	8	2	4	5	6	7	8
Northern Canal—cont.	RS. A. P.					RS.		RS. A. P.				RS.	
4. D or Kistnapatam Section ..	12 8 0	Salt	7	50	2,400	480	11	..	..	..	..	..	..
	854 0 0	Food-grains ..	414	3,993	191,664	1,24,651	1,093	368 4 0	191	1,915	91,824	56,541	..
	32 9 0	Firewood ..	16	159¼	7,644	1,084	8	..	..	..	..	..	..
	..	Shells	1	19	912	60	..	..	..	..	..	..	..
	12 8 0	Live-stock ..	3	50	2,400	3,200	4	..	..	..	..	..	..
	1,889 13 0	Miscellaneous ..	1,433	16,493¼	583,100	19,30,148	7,742	2,960 2 6	1,585	16,014	448,149	10,57,737	..
	204 8 0	Passengers ..	206	1,328	63,744	..	1,861	398 0 0	322	2,722	130,576	..	5,706
Total ..	3,005 14 0		2,080	22,092½	851,864	20,59,623	10,719	3,726 6 6	2,098	20,651	670,549	11,14,278	5,706
	..	Salt	1	13	598	645	..	..	..	..	..	..	..
5. E or Rámapatnam Section ..	644 12 0	Food-grains ..	219	2,927	140,278	1,01,946	1,350	126 0 0	55	622	23,512	28,814	..
	61 12 0	Firewood ..	17	292	14,016	3,651	3	..	..	..	..	..	..
	..	Shells	..	..	..	..	..	..	..	..	..	..	..
	9 0 0	Live-stock ..	3	51	2,366	3,240	25	..	..	..	..	..	..
	1,849 5 0	Miscellaneous ..	1,334	16,660¼	663,114	20,48,294	7,964	2,949 6 0	1,557	14,310	284,376	11,56,091	..
	118 8 0	Passengers ..	172	1,028	48,012	..	1,859	389 8 0	269	2,383	121,990	..	4,770
Total ..	2,683 5 0		1,746	20,971¼	868,384	21,57,776	11,201	3,464 14 0	1,881	17,315	429,878	11,84,905	4,770
	5 0 0	Salt	113	1,521	..	58,777½	25	..	22	293	1,580	10,202	..
6. F or Kothapatam Section ..	1,043 4 0	Food-grains ..	301	4,513	196,328	1,11,733	1,373	602 0 0	160	2,515	116,226	72,260	..
	..	Firewood ..	..	..	..	..	..	..	..	..	..	..	..
	..	Shells	1	19	..	60	..	..	..	..	..	..	..
	2 8 0	Live-stock ..	3	50	460	5,250	5	..	..	..	..	..	..
	1,816 2 0	Miscellaneous ..	1,202	17,650½	296,872	14,71,848¼	6,401	1,685 5 0	935	11,461	118,789	7,98,373	..
	58 12 0	Passengers ..	82	692	12,420	..	1,382	127 4 0	97	1,103	135,844	..	1,833
Total ..	2,925 10 0		1,702	24,445½	506,080	16,47,668¾	9,186	2,414 9 0	1,214	15,372	372,439	8,80,835	1,833
Tolls collected in Division and Sub-Division Offices ..	293 8 0		..	..	..	..	..	..	..	..	..	..	..
Total Tolls	39,749 14 0		..	..	..	..	..	34,443 13 6	..	..	..	..	..

Compounding Tolls	225 0 0	..	..	..	..	..	3,380 0 0	..	..	..	..	..
License Fees	7,454 4 0	..	..	..	..	..	11,765 12 0	..	..	..	..	..
Total, Northern Canal ..	47,429 2 0	..	..	..	..	..	49,589 9 6	..	..	..	..	..
Total, Southern and Northern Canal	56,180 3 0	..	..	..	..	..	60,347 13 6	..	..	..	..	..
Miscellaneous Receipts. — Receipts from other Canal produce ..	RS. A. P. 3,117 8 10											
Rents of buildings ..	22 8 0											
Fines ..	303 12 0											
Sales of old materials ..	84 11 0											
	3,528 7 10											
Total ..	59,708 10 10											
Add amount collected in 1881 for 1882. — Licenses ..	104 0 0											
Tolls ..	520 0 0											
	624 0 0						Add amount collected in 1881 for 1882 of License ..	261 0 0	..	..	..	..	..
Total ..	60,332 10 10	..	..	..	..	..	60,608 13 6	..	..	..	..	..
Deduct refunds of Tolls and License Fees	308 4 0	..	..	..	..	..	1,723 0 0	..	..	..	..	..
Total ..	60,024 6 10	..	..	..	..	..	..	..	..	..	..	..
Deduct amount of Tolls included in the return but not collected ..	854 0 0	..	..	..	..	..	..	..	..	..	..	..
Total, Net Receipts ..	59,170 6 10	..	..	..	..	..	58,885 13 6	..	..	..	..	..

CHEPAUK,
30th January 1882.

(Signed) R. R. E. DRAKE-BROCKMAN, Major, R.E.,
Executive Engineer, Buckingham Canal Division.

(Signed) H. L. PRENDERGAST, Colonel, R.E.,
Superintending Engineer, Fifth Circle.

602
5

No. 78. ORDER THEREON, 9th March 1882, No. 602 W.

WITH his endorsement above recorded the Superintending Engineer, Fifth Circle, submits the traffic return of the Buckingham Canal for the half-year ended 31st December 1881.

2. The total receipts from tolls and license fees amounted to Rs. 59,708, being Rs. 639 less than the receipts of the preceding half-year and Rs. 2,833 less than those of the corresponding half-year of 1880. The aggregate receipts for 1881 however exceed those for 1880 by Rs. 10,247. The Executive Engineer considers that the increase would have been greater had it not been for the compounding system authorised in G.O., No. 2462 W. of 25th October 1880. To the total receipts for the half-year must be added Rs. 624, being collections in 1881 for 1882, but as Rs. 308 were refunded to boat-owners, and Rs. 854 included in the returns were not collected, the net receipts were left at Rs. 59,170.

3. The following table exhibits the traffic on the canal as compared with the previous half-year :—

Period.	Number of Boats.	Tonnage.	Ton Milage.	Value of Goods.	Number of Passengers.
				RS	
Half-year ended 30th June 1881.	27,584	296,485	5,517,537	98,72,955	99,912
Do. do. 31st Dec. 1881.	31,289	351,218	6,616,695	157,72,983	112,592
Increase	3,705	54,733	1,099,158	59,00,028	12,680

thus showing a considerable increase under each head.

4. The results are considered satisfactory.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt. P.W.D.

To the Superintending Engineer, Fifth Circle.
" Board of Revenue.
" Revenue Department.

Exd. S. T. Austin.
Spare Copies.

602/4

BUILDINGS AND ROADS.

CIVIL WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c., &c., &c.

Dated March, 9th.

Issued

Recd. *Encl.*

G.O., 9th March 1882, No. 602 W.

MARCH.

Nos. 77-78.

Traffic Return of the Buckingham Canal for the half-year ending 31st December 1881.
—Passing orders on the —.

602
5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

25th October 1880, No. 2,462 W.

Buildings and Roads.
Civil Works.

Read the following papers:—

No. 112. From Captain A. AWDRY, R.E., Superintendent of Works, Buckingham Canal, to the Chief Engineer, Public Works Department, dated Kristnapatam, 18th September 1880, No. 1,680.

I HAVE the honor to inform you that, under authority of G.O., No. 3,298 W., of 22nd December 1879, licenses have during 1880 been issued for the whole year, but payments have been permitted to be made in four instalments.

2. This procedure was advisable while the boatmen did not understand the rules and were hanging back from taking out licenses, but it involves exactly four times the labor that a yearly payment would; and the labor is considerable in examining the licenses, collecting the money, sending the license into the division office to have it endorsed, and the entry in the cash book.

3. I propose, if you approve, to lessen this during the year 1881 by taking half payment at the commencement of the year and half in July. In 1882 one payment only might be insisted on.

4. I have during this year had on several occasions applications for change of section during the year, the object of the boatmen being of course to lessen their charges for tolls if they got a good job in some other section. In dealing with this matter I have had in view the fact that the license itself is for the *whole* year, though the payments are permitted in instalments. I have therefore declined any change of section except on the terms of paying up in full for the year for the original section license, after which that license may be cancelled, and an entirely new license (without retrospective effect as regards tolls) has been issued to the boat for the new section on payment for the whole year; that this has been considered advantageous by the boatmen is shown by their consenting to the terms.

5. In regard to the compounding at Rs. 10 per ton for tolls for the whole year, I think that no such composition should be admitted after the first three months of the year, or that if admitted after the first three months it should not have retrospective effect. If this proviso is not made boats will work on until the Rs. 10 is *nearly* reached when they will apply to compound, the result being a certain loss of tolls to Government and infinite labor in hunting up every payment made by the boat in the year.

6. I propose putting these matters very plainly before each boatowner, so that they may be fully aware of the terms on which they apply for their licenses for 1881, and, if you approve of the three points raised in this letter, I shall send a copy of the enclosed notice to each owner.

No. 112-A. From the same Officer, dated Northern Canal, 9th October 1880, No. 1,796.

WITH reference to your No. 503 of the 4th instant, I have the honor to inform you that a sliding scale had occurred to me as a possible alternative, but I was not sure whether it was admissible under the rules.

2. In regard to licenses they should be at the published rate of Rs. 2 per ton *if paid down* for the year, but if the boatowners are given grace of six months for half the payment they might be charged a booking fee of Rs. 2 in addition to the second half-year's amount.

3. In regard to compounding for tolls, the labor of looking up refunds of payments is far more serious than the booking of the license fees, and moreover boatmen will not come forward late in the year to compound unless they see their way to *certain* profit, *i.e.*, *certain* loss to Government; the compounding also was intended to save trouble of collection, booking, &c., which, if done late in the year, it will not save. I should therefore propose that for the first three months of the year the rate for composition be Rs. 10 a ton, and after that it should increase by one rupee per ton per mensem, *i.e.*, Rs. 11 in April, Rs. 12 in May, &c., Rs. 18 in November, and Rs. 19 in December. I think this will be an exceedingly good rule and will completely serve its object.

No. 113. ORDER THEREON, 25th October 1880, No. 2,462 W.

THE proposals contained in the letters above recorded are sanctioned.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, Buckingham Canal.

Exd. E. C. Shunker.
Spare Copies

602/10

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1880) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDENT OF WORKS,
BUCKINGHAM CANAL.

Dated October, 25th.

Issued

Encl. *Encl.*

G. O., 25th October 1880, No. 2,462 W.

OCTOBER.

Nos. 112-113.

Compounding for Tolls, Buckingham Canal.—The proposals of the Superintendent of Works in regard to the arrangement for — sanctioned.

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7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

30th September 1881, No. 2412 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 182. From Major R. R. E. DRAKE-BROCKMAN, R.E., Executive Engineer, Buckingham Canal Division, to the Chief Engineer, Public Works Department, dated Chepauk, 12th September 1881, No. 1715.

I HAVE the honor to forward the Traffic Return of the Buckingham Canal for the half-year ending 30th June 1881, prepared in the form printed in G.O., No. 352 I., dated 19th June 1879, and as desired in your memorandum No. 155, dated 9th June last.

2. From the following statement showing the collection of toll and license fees for the past three half-years, you will observe that the total receipts during the half-year under reference exceed the total collections of the corresponding period of the past year by Rs. 13,080, and I expect that the collections during the second half of the year 1881 will in all probability exceed the collections of the second half of the year 1880 :—

Sections.	Items.	Half-year ending 30th June 1880.	Half-year ending 31st December 1880.	Half-year ending 30th June 1881.	Difference of Columns 3 and 5.
1	2	3	4	5	6
		Rs.	Rs.	Rs.	Rs.
Southern Section	Tolls	2,992	10,389	9,705	6,713
	License fees ..	617	569	1,053	436
Northern do.	Tolls	34,171	42,856	34,443	272
	License fees ..	9,487	8,727	15,146	5,659
Total ..	..	47,267	62,541	60,347	13,080

3. The plan of testing the tonnage of boats by actual experiment has effected a diminution of about 1,100 tons on about 500 boats thus tested since the rules for so doing were passed by Government in August 1880. The fears entertained, however, by my predecessor in his letter, dated 12th March 1881, embodied in Proceedings of Madras Government, No. 906 W., dated 4th April 1881, have not, it will be seen, been realised. The increase in license fees is very apparent and may be owing to a large number of boat-owners having compounded for the whole year, but this, on the other hand, does not appear to have affected the amount realised from tolls, which fact shows that more use has been made now than formerly of the canal by those boats for which compounded licenses have not been taken out.

STATEMENT of Traffic, &c., on Buckingham Canal in the Madras Presidency for the half-year ended 30th June 1881.

Sections of Canal.	Toll Fees.	Half-year ended 30th June 1881. Nature of Cargo.	Number of Boats.	Tonnage.	Ton Mileage.	Value of Goods.	Number of Passengers.	Half-year ended 31st December 1880. Number of Boats.	Tonnage.	Ton Mileage.	Value of Goods.	Number of Passengers.	Remarks.
1	2	3	4	5	6	7	8	4	5	6	7	8	
Southern Canal.	Rs. A. P.					Rs.					Rs.		
1. A. or Sadras Section.	3,442 4 0	Salt ..	1,509	13,780	314,728	9,81,350	..						
	137 12 0	Food grains ..	99	878	25,130	14,299	..						
	5,038 12 0	Miscellaneous ..	3,904	26,761	249,207	90,980	..						
	..	Live Stock ..	1	6	252	10	..						
	1,086 8 0	Passengers ..	2,352	11,460	220,844	..	48,499	5,970	43,477	1,074,124	2,15,013	250	
	9,705 4 0	Total of Section A ..	7,865	52,885	810,161	10,86,639	48,499						
Compounding tolls ..	150 0 0	....	..	..	..	..	..						
License fees	903 0 0	....	..	..	..	..	..						
Total, license and Toll fees ..	10,758 4 0		..	..	..	..	..						
Northern Canal.													
2. B. or Madras Section.	5,930 12 0	Salt	962	23,723	3,76,704	15,88,523	..						
	994 0 0	Food grains	495	6,364	80,716	1,78,927	..						
	11,024 11 0	Miscellaneous ..	7,487	103,831	1,410,370	24,62,284	..						
	..	Live Stock	2	1,061	1,662	280	..						
	1,024 8 0	Passengers	2,150	23,353	530,448	..	28,419						
	18,973 15 0	Total of Section B ..	11,096	158,332	2,399,900	42,30,014	28,419						
3. C. or Royaduruvu Section.	..	Salt	..	..	..	..	..						
	792 0 0	Food grains	415	3,889	186,316	99,264	..						
	4,180 9 0	Miscellaneous ..	2,266	22,728	391,590	12,76,700	..						
	1 0 0	Live Stock	1	4	192	320	..						
	890 8 0	Passengers	748	5,309	256,812	..	10,685						
	5,864 1 0	Total of Section C ..	3,430	31,930	834,610	13,76,284	10,685						
4. D. or Kistnapatam Section.	..	Salt	..	..	..	..	..						
	368 4 0	Food grains	191	1,915	91,824	56,541	..						
	2,960 2 6	Miscellaneous ..	1,585	16,014	448,149	10,57,737	..						
	..	Live Stock	..	..	..	..	..						
	398 0 0	Passengers	322	2,722	130,576	..	5,706						
	3,726 6 6	Total of Section D ..	2,098	20,651	670,549	11,14,278	5,706						
5. E. or Rámapatnam Section.	..	Salt	..	..	..	..	..						
	126 0 0	Food grains	55	622	23,512	28,814	..						
	2,949 6 0	Miscellaneous ..	1,557	14,310	284,376	11,56,091	..						
	..	Live Stock	..	..	..	..	..						
	389 8 0	Passengers	269	2,383	121,990	..	4,770						
	3,464 14 0	Total of Section E ..	1,881	17,315	429,878	11,84,905	4,770						
6. F. or Kottapatam Section.	..	Salt	22	293	1,580	10,202	..						
	602 0 0	Food grains	160	2,515	116,226	72,260	..						
	1,685 5 0	Miscellaneous ..	935	11,461	118,789	7,98,373	..						
	..	Live Stock	..	..	..	..	..						
	127 4 0	Passengers	97	1,103	135,844	..	1,833						
	2,414 9 0	Total of Section F ..	1,214	15,372	372,439	8,80,835	1,833						
Compounding Tolls ..	34,443 13 6	..	..	..	..	..	..						
License Fees	3,380 0 0	..	..	..	..	..	..						
	11,765 12 0												
Total, License and Toll Fees ..	49,589 9 6	....	..	..	..	..	..						
Total, License and Toll Fees of Southern and Northern Canals ..	60,347 13 6	....	..	..	..	..	..						
Add amount of License Fees collected in 1880 for 1881	261 0 0	.....	..	..	..	..	..						
Total ..	60,608 13 6	....	..	..	..	..	..						
Deduct refunds after testing the Tonnage of Boats	1,723 0 0	....	..	..	..	..	..						
Grand Total ..	58,885 13 6	....	..	..	..	..	..						

CHEPAUK,
12th September 1881.

(Signed) R. R. E. DRAKE-BROCKMAN, Major, R.E.,
Executive Engineer, Buckingham Canal Division.

602
8

No. 183. ORDER THEREON, 30th September 1881, No. 2412 W.

WITH the letter above recorded the Superintendent of Works, Buckingham Canal, submits the traffic return of the canal for the half-year ended 30th June 1881.

2. The statement is prepared in the form approved by the Government of India, and adopted in the Irrigation Branch for recording the traffic on navigable canals in this Presidency.

3. The total receipts from Tolls and License Fees amounted to Rs. 60,347, being Rs. 2,194 less than the receipts of the preceding half-year, but exceeding those of the corresponding half of 1880 by Rs. 13,080. To the above total must be added Rs. 261, being collections in 1880 for 1881, but as Rs. 1,723 were refunded to boat-owners after testing the actual tonnage of their boats, the net receipts were left at Rs. 58,885. The Superintendent of Works anticipates that the collections of the second half of the current year will exceed those of the second half of 1880.

4. The following table exhibits the traffic on the canal as compared with the previous half-year :—

Period.	Number of Boats.	Tonnage.	Ton Mileage.	Value of Goods.	Number of Passengers.
				Rs.	
Half-year ended 31st December 1880..	24,772	316,447	13,419,514	83,39,965	18,051
Half-year ended 30th June 1881 ..	27,584	296,485	5,517,537	98,72,955	99,912
Increase	2,812	..	..	15,32,990	81,861
Decrease	..	19,962	7,901,977	..	..

5. Thus, while there was a considerable increase in the number of boats plying on the canal; in the value of the goods carried and in the number of passengers, there was a sensible decrease in the tonnage and ton mileage.

6. The results are on the whole considered satisfactory.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.

To the Superintendent of Works, Buckingham Canal.
" Board of Revenue.
" Revenue Department.

Exd. S. T. Austin.
Spare Copies

682/9

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDENT OF WORKS,
BUCKINGHAM CANAL,
&c., &c., &c.

Dated September, 30th. 602 W.

Issued

Read. Encl.

G. O., 30th September 1881, No. 2412 W.

SEPTEMBER.
Nos. 182-183.

Buckingham Canal.—Orders on Traffic Return for the half-year ended 30th June 1881, of the —.

No. 2706
602
From 10

Office of the Executive Engr
Buckingham Canal
Chepauk 30th January 18
Despd — 1st February 188

The Executive Engineer
Buckingham Canal.

To

The Superintending Engineer
5th Circle. Madras

Sir

I have the honor to forward the Traffic Return of the Buckingham Canal for the half year ending 31st December 1881 for submission to the Chief Engineer P. W. Department.

2. The following is a statement showing the comparison of the results of the collection of Tolls and Licence fees for the Calendar years 1880 & 1881.

Canals	Items	For 1880 Half year ending 30th June/80	Half year ending 31st Decbr/80	Total	For 1881 Half year ending 30th June/81	Half year ending 31st Decbr/81	Total	Increase in columns 5 & 8	Decrease in columns 5 & 8
Southern Canal	Tolls	2992	10389	13381	9705	8114	17819	4438	
	Licence fees	617	569	1186	1063	637	1690	504	
Northern Canal	Tolls	34171	42856	77027	34443	39975	74418	"	2609
	Licence fees	9487	8727	18214	15146	7454	22600	4386	
Miscellaneous	Receipts	"	"	"	"	3528	3528	3528	
Total		47267	62541	109808	60347	59708	120055	12856	2609
		Net increase of Revenue for 1881 Rs.							10247

3. From the above statement it is apparent that there is a net increase of Rp. 10247 in 1881 on the revenue realized in 1880 as anticipated in my letter No. 1715 dated 12th September 1881 embodied in G.O. No. 2412 R. dated 30th September/81, but I should record here that this increase would have been more, had it not been to some extent for the Compounding System introduced in G.O. No. 2162 R. dated 25th October 1880 and which was only brought into operation in 1881. In my last report I stated that this Compounding System might not affect the realization of the Tolls, but after the Compilation of the Returns for the whole year I find that a decrease of Rp. 2609 results owing to this particular item notwithstanding that no less than 111 boats have been newly Constructed and brought into use on the Canal in addition to the Number registered in 1880,

as

as shown below. 82

	No. of boats regd in 1880	No. of boats regd in 1881	Increase
A or Sadras Section	113	125	12
B or Madras Section	40	44	4
C or Pulicat Section	740	795	55
D or Vishnapatam Section	22	35	13
E or Ramapatam Section	34	45	11
F or Kothapatam Section	43	59	16
Total	992	1103	111

4. The total number of boats for which Compounded licenses were taken during the year under report was 44, with a Carrying power of 353 tons, but it appears from the registration now going on for the Current year of which though first month has hardly expired that the number of boats which have obtained Compounded licenses for the year amounts to 47, with a Capacity of 437 Tons. From this Circumstance it may be Concluded that the boatowners find it Considerably to their advantage to Compound their licenses and this I think will necessarily bring about a decrease of revenue in Tolls. It is probable that the delays experienced

at

at the Several Toll Bars have operated to driving the boatowners thus to take out Compounded licenses. —

I have the honor to be
Sir
Your most obedient Servant

Rue Drake — Brdmay Major R.E.
D. Executive Engineer. B. Canal

Enclosure 1.
1 Traffic Return.

Mst 86
D 31-82 No. 1110. P3.

Submitted to the Chief Engineer. P. W. Department.

Herbert Sandes Lt Colonel R.E.
Superintending Engineer
5 Circle.

Camp Khatia Ope
25th February 1882.
Desp. 28

602/12

From P. W. C No 1310

The Executive Engineer
Buckingham Canal

To. The Supdg Engineer
5th Circle

Date 30. Jany/82
Recd 1st Febry/82
Rep 28

No 2706
Encls. One.

Traffic Return of the
Buckingham Canal
for the half year ending
31st December 1881.

Forwarded for transmission
to the Chief Engineer & S.W. Dept.

24124 - 30. 9. 81
24625 25. 10. 80

Circ). 3 P.W. 9.3

Statement of Traffic &c. on Buckingham Canal in the Madras Presidency for the Half year ended 31st December 1881.

Sections of Canal	Tolls	Nature of Cargo	Half year ended 31st December 1881. No. of boats	Tons	Ton Mileage	Value of Cargo	No. of Passengers	Tolls	Half year ended 30th June 1881 No. of boats	Tons	Ton Mileage	Value of Cargo	No. of Passengers	Remarks
1	2	3	4	5	6	7	8	2	4	5	6	7	8	9
1. A or Sadras Section	2685 12 -	Salt	1061	10743	239367	687313	"	34424 -	1509	13780	314728	981350		
	259 12 -	Food Grains	262	1107	49163	40991	109	1371 2 -	99	878	25150	14299		
	659 13 -	Firewood	812	340 7/4	75715	25362	6	" " -	"	"	"	"		
	306 8 -	Shells	286	1400	66434	4783	"	" " "	"	"	"	"		
	1 " -	Live stock	7	27	818	80	66	" " -	1	6	252	10		
	339 1 -	Miscellaneous	2807	17934	99467 1/2	43693	242	5038 12 -	3904	26761	249207	90980		
	910 4 "	Passengers	2435	8784	152707	580	39973	1086 8 -	2382	11460	220844	"	48499	
Compounding Tolls	8114 1 "		7670	43402 1/4	683671 1/2	802802	40396	97054 -	7865	62885	810161	1086639	48499	
License Fees	" " "							150 " "						
Total Southern Canal	637 " "							903 " "						
	8751 1 "							107584 -						
2. Bor Madras Section	9267 12 -	Salt	1639	37071	592688	2344141	"	5930 12 -	962	23723	376704	1688523		
	311 3 12 -	Food Grains	1220	13006	213408	361866	1396	994 " -	195	6264	80716	178927		
	640 9 " -	Firewood	2070	25782	413536	168535	41	" " "	"	"	"	"		
	277 2 12 -	Shells	603	11006	176704	23578	"	" " "	"	"	"	"		
	9 8 "	Live stock	9	62	1792	5086	28	" " -	2	1061	1662	280		
	2193 2 -	Miscellaneous	6495	99929 1/2	449816	2582495	7844	11024 11 -	7487	103831	1410370	2462284		
	553 4 -	Passengers	1738	8371	307696	46669	16242	1024 8 "	2150	23353	530448	"	28419	
	24319 2 "		13774	195227 1/2	2155640	5531390	25557	18973 15 -	11096	158332	2399900	4230014	28419	
3. C or Royapooram Section	" " "	Salt	"	"	"	"	"	" " "	"	"	"	"		
	2005 12 -	Food Grains	1143	11934	572400	395025	1572	792 " -	415	3889	186316	99264		
	155 12 -	Firewood	168	2105	101040	14786	6	" " "	"	"	"	"		
	" " "	Shells	2	38	1824	200	"	" " "	"	"	"	"		
	13 " -	Live stock	8	66	3168	17500	20	1 " -	1	4	192	320		
	3639 7 -	Miscellaneous	2308	26893 3/4	678128	3139165 1/4	7722	4180 9 "	2266	22728	391590	1276700		
	708 8 -	Passengers	688	4042	194496	7057	6219	890 8 -	748	5309	25512	"	10685	
	6522 7 -		4317	71097 3/4	1551056	3573723 1/4	15539	5864 1 "	3430	31930	834610	1376284	10685	

Statement of Traffic &c.ᵃ on Buckingham Canal in the Madras Presidency for the Half year ended 31ˢᵗ December 1881.

Sections of Canal	Half year ended 31st December 1881.							Half year ended 30th June 1881							Remarks
	Tolls	Nature of Cargo	No. of boats	Tons	Tons Mileage	Value of Cargo	No. of Passengers	Tolls	No. of boats	Tons	Tons Mileage	Value of Cargo	No. of Passengers		
1	2	3	4	5	6	7	8	2	4	5	6	7	8		9
	12 8 -	Salt	7	50	2400	480	11	- - -	-	-	-	-	-		
	854 - -	Food grains	414	399 3/4	191664	124657	1093	368 4 -	191	1915	91824	56541			
	32 9 -	Firewood	16	159/4	7644	1084	8	- - -	-	-	-	-			
	- - -	Shells	1	19	912	60	-	- - -	-	-	-	-			
	12 8 -	Live Stock	3	50	2400	3200	4	- - -	-	-	-	-			
	1889 13 -	Miscellaneous	1433	1649 3/4	583100	1930148	7742	2960 2 6	1585	16014	448149	105797			
	204 8 -	Passengers	206	1328	63744	-	1861	398 - -	322	2722	130576	-	3706		
	3005 14 -		2080	2209 2/2	851864	2059623	10719	3726 6 6	2098	20651	670549	1114278	5706		
	- - -	Salt	1	13	598	645	-	- - -	-	-	-	-			
5. E or Ramapatnam Section →	644 12 -	Food grains	219	2927	140278	101946	1350	126 - -	55	622	23572	28814			
	61 12 -	Firewood	17	292	14016	3651	3	- - -	-	-	-	-			
	- - -	Shells	-	-	-	-	-	- - -	-	-	-	-			
	9 - -	Live stock	3	51	2386	3240	25	- - -	-	-	-	-			
	1849 5 -	Miscellaneous	1334	1666 1/4	663114	2048294	7964	2949 6 -	1537	14310	284376	1156091			
	118 8 -	Passengers	172	1028	48012	-	1859	389 8 -	269	2383	121990	-	4770		
	2683 5 -		1746	2097 1/4	868384	2157776	11201	3464 14 -	1881	17315	429878	1184905	4770		
	5 - -	Salt	113	1621	-	587771/2	25	- - -	22	293	1580	10202			
6. E or Kothapatnam Section →	1043 4 -	Food grains	301	4613	196328	111733	1373	602 - -	160	2515	116226	72260			
	- - -	Firewood	-	-	-	-	-	- - -	-	-	-	-			
	- - -	Shells	1	19	-	60	-	- - -	-	-	-	-			
	2 8 -	Live Stock	3	50	480	3250	5	- - -	-	-	-	-			
	1816 2 -	Miscellaneous	1202	1765 1/2	29687	1471848 1/4	6401	1685 5 -	935	11461	118789	798373			
	58 12 -	Passengers	82	692	12420	-	1382	127 4 -	97	1103	15384	-	1833		
	2925 10 -		1702	2444 1/2	506080	1647668 3/4	9186	2414 9 -	1214	13372	372439	880835	1833		
Collections in Division and Total Tolls	293 8							- - -							
								3443 13 6							

Statement of Traffic &c.ᵃ on Buckingham Canal in the Madras Presidency for the Half year ended 31ˢᵗ December 1881.

Sections of Canal	Half year ended 31st December 1881.							Half year ended 30th June 1881						Remarks
	Tolls	Nature of Cargo	No. of boats	Tons	Tow Mileage	Value of Cargo	No. of Passengers	Tolls	No. of boats	Tons	Tow Mileage	Value of Cargo	No. of Passengers	
1	2	3	4	5	6	7	8	2	4	5	6	7	8	9
														10
Compounding Tolls	225 - -							3380 - -						
Licence fees	7454 4 -							11765 12 -						
Total Southern Canal	47429 2 -							49589 9 6						
Total Southern & Northern Canal	56180 3 -							60347 13 6						
Miscellaneous Receipts: Receipts from other Canal produce Rs 3117 8-10														
Rents of buildings 22-8 -														
Fines 303-12 -														
Sales of old Materials 84 11 -	3528 7 10													
	59708 10 10													
Add'l amounts collected in 1881 for 1882 — Licenses 104 —								Add amount collected in 1881 for 1882 of Licenses 261 - -						
Tolls 570 —	674 - -													
Total	60382 10 10							60608 13 6						
Deduct refunds of Tolls & Licenses fees	308 4 -							1723 - -						
	60074 6 10													
Deduct amounts of Tolls included in the Returns but not collected	854 - -													
Total Net Receipts	59,170 6 10							68885 13 6						

Buckingham Canal Division Office
Chepauk 30th January 1882.

Recd date - Birchmore

Assistant Secretary to Govt
Public Works Department

Colonel R.E.

Major R.E.

B & R
C & Rs. 11

No. 602 M 602/14 PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 9th March 82

Read the following :—

From Suptg Engineer 5th Circle - No. 1110 dy 25th Feby 1882

Buckingham Canal Division

602/13

Traffic Return of the Canal for the Half year ending 31st December 1881

with his endorsement above recorded, the Suptg. Engr. 5th Circle submits the traffic returns of the Buckingham Canal for the half year ended 31st December 1881.

2. The total receipts from tolls and license fees amounted to 59,708 being Rs 639 less than the receipts of the preceding half year and Rs 2,883 less than those of the corresponding half year of 1880. The aggregate receipts for 1881 however exceed those for 1880 by Rs 10,247. The Executive Engineer considers that the increase would have been greater

greater had it not been for the Compounding system authorized in G.O. 2462 B of 25th October 1880 - So the total receipts for the half year must be added Rs 624 being collections in 1881 for 1882, but as Rs 308 were refunded to boat owners, and Rs 854 included in the returns were not collected, the net receipts were left at Rs 59,170.

3. The following table exhibits the traffic on the Canal as compared with the previous half year.

Period	Number of boats.	Tonnage	Ton Mileage	Value of goods	Number of passengers.
Half year ended 30th June 1881.	27,604	296,485	5,517,537	95,72,955	99,913
Half year ended 31st Dec/81.	31,289	351,218	6,616,695	87,72,983	113,593
Increase	3,705	54,733	1,099,158	59,00,028	12,680

thus showing a Considerable increase under each head

4. The results are considered Satisfactory.

Cl

7.3.82

602/15

7.3.82

Despd 23-2-82
Supply Engr 6th Circle
Board of Revenue
Revenue Department

602
16

1310.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd. Encl.

G. O. 9th March 1882, No. 602 P.

Nos. 77 to 78

Yearly Return of the Buckingham Canal for the year ending 31st December 1881.

Passing orders on the