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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No. 906 W
B.P. No.
Press.
Mis.

Dated 4. 4. 1881 ~~19~~.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

4th April 1881, No. 906 W.

Buildings and Roads.
Civil Works.

Read the following paper :—

No. 5. From Captain A. AWDRY, R.E., Superintendent of Works, Buckingham Canal, to the Chief Engineer, Public Works Department, dated Buckingham Canal, 12th March 1881.

I HAVE the honor to forward herewith the Traffic Return of the Buckingham Canal for the half-year ending the 31st December 1880. I have entered in the statement for ready reference the returns for the two previous half years.

2. As the number of items in these returns was becoming excessive, I have made a different arrangement of the items to that on which the former half-yearly returns were submitted, and have recast those returns into the present grouping in the return I now submit.

3. I trust that if this system of record meets with your approval, it will be maintained for the future without alteration, so that all half-yearly returns will be easily compared. For facility of reference I have had the forms printed and have supplied copies to the toll office clerks so that they may enter all cargo under some one of the heads entered in the list.

4. While there is very considerable improvement due for the most part to grain from Nellore District, I am rather disappointed not to find a *far* larger amount of food-grain finding its way to Madras from the Kistna and Godávari Deltas by the Buckingham Canal; I trust that this may improve in time; but at present I fear that we cannot hope for very much on account of the fact that the rice-crop is only just reaped and ready for transport at the very time when the line of communication is cut by the closure of the Kistna canals for clearance.

5. The returns from salt traffic are above the average owing to there being a scarcity of salt in Madras at the commencement of the year, but the canal must always command a large share of the carriage of salt as water carriage is cheap and it runs close to the factories besides carrying the salt without transhipment to the exact point where it is required in Madras.

6. The southern extension of the canal only came into use in the two last months of 1880, but from the number of boats already using it there is good reason to hope that it will materially add to the convenience of the people and the revenue of the southern canal.

7. I have had a statement showing the number of boats licensed for each section of the canal, giving the number of each tonnage in the case of the boats mostly used for traffic, and I have the honor to request that orders may be passed to submit

statements in similar form every year, so that comparison of the boat building operations may be regularly recorded and available for examination. The receipts from license fees are satisfactory, the more so as they have been subjected to a diminution from the operation of the new rule permitting boats to be registered on the tonnage arrived at by actually testing them to try what they can carry; this has resulted in an immediate loss in receipts, but will, I trust, in the future be far more than compensated for by a gain in the confidence of boat owners and builders. They and the boatmen were loud in their complaints of having to pay license fees for more tonnage than their boats could carry, but this grievance is now at an end. During 1881 probably all boats which have not already been tested will be brought to Madras for the purpose and receive refunds of excess charges, so I do not anticipate any increase in license receipts in 1881 though many Kistna boats will no doubt take out licenses for the Buckingham Canal.*

8. A statement showing the receipts for tolls at each toll office in each month is also forwarded. It represents in a striking manner the loss of revenue in the months when the canal traffic is liable to partial interruption during the period of the north-east monsoon freshes, and affords evidence that the provision of flood-gates will be directly beneficial in increase of revenue besides being indirectly beneficial in the saving of outlay on clearances. I have the honor to request that orders may be issued for the record of this statement also in each year.

BUCKINGHAM CANAL.

STATEMENT of Inward Traffic, &c., on the Buckingham Canal, Southern Section, for the Half-year ending 31st December 1880.

The extremity of this Section is Moodeliarkupam, Chingleput District. Length 58 Miles.

2ND HALF-YEAR OF 1879.			1ST HALF-YEAR OF 1880.			2ND HALF-YEAR OF 1880.			Description of Cargo.	2ND HALF-YEAR of 1880.		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.					
6,727½	364 5 6	1,270	315	59 12 0	59	244	44 8 0	41	Passengers	6,920	No. 168 RS.	From October, Southern extension of 14 miles of the canal has come into use from the Pálar river to the Southern extremity of the Moodeliarkupam backwater, making the total length of Southern canal open 58 miles.
82	..	14	..	..	..	..	..	..	Live stock of all kinds	..	..	
..	..	..	332	80 0 0	54	480	109 8 0	79	Food-grains—Rice	20,381	10,519	
362	..	66	206	6 8 0	5	22	5 8 0	4	Do. Paddy	979	670	
..	..	..	6	1 8 0	1	..	..	..	Do. Ragi	..	..	
..	..	..	..	..	..	..	..	..	Do. Cumbu	..	..	
..	..	..	..	..	..	..	..	..	Do. Cholum	..	..	
..	..	..	..	..	..	..	..	..	Do. Wheat	..	..	
..	..	..	..	..	..	..	..	..	Do. Horse Gram	..	..	
..	..	..	..	..	..	..	..	..	Do. Red do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Bengal do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Green do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Black do	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Cotton	..	..	
..	..	..	..	..	..	..	..	..	Twist	..	..	
6	..	1	..	..	..	..	..	..	Hides and Leather of all kinds	..	..	
3,019	69 10 0	504	2,776	697 0 0	466	3,903	1,012 8 0	659	Firewood and faggots	76,972	30,326	
10	..	2	12	3 0 0	2	7	1 12 0	1	Charcoal	294	30	
19	..	5	35	8 12 0	7	240	60 0 0	34	Building Materials—Timber of all kinds ..	8,542	3,965	
..	..	..	..	..	..	..	..	..	Do. Bamboos	..	..	
198	..	32	155	38 12 0	25	269	67 8 0	44	Do. Stone of all kinds ..	8,908	1,965	
..	..	..	..	..	..	..	..	..	Do. Bricks and tiles ..	..	..	
64	..	8	94	23 8 0	17	..	..	..	Do. Chunam and cement ..	..	..	
144	..	22	..	..	..	235	58 12 0	36	Do. Shells	10,079	1,754	
142	1 12 0	27	43	10 12 0	8	217	54 4 0	37	Do. Palmyra leaves	4,654	728	
..	..	..	..	..	..	..	..	..	Do. Various	..	..	
6	..	1	..	..	..	7	1 12 0	1	Tools*	245	50	
..	..	..	376	94 0 0	62	367	91 12 0	60	Iron-ware	13,896	13,930	
..	..	..	..	..	..	6	1 8 0	1	Brass-ware	144	200	
31	..	6	..	..	..	6	1 8 0	1	Fibres and Ropes of all kinds	234	55	
197	..	39	364	91 0 0	59	..	..	..	Cloth	..	..	
11	..	2	6	1 8 0	1	74	13 8 0	10	Gunny bags	1,071	440	
10,314	291 0 0	1,343	4,176	1,044 0 0	604	19,783	4,945 12 0	2,660	Salt*	468,692	1,36,956	
..	..	..	..	..	..	..	..	..	Saltpetre	..	..	

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* Government.

Statement of Inward Traffic, &c., on the Buckingham Canal, Southern Section, for the Half-year ending 31st December 1880—*cont.*

2nd Half-year of 1879.			1st Half-year of 1880.			2nd Half-year of 1880.			Description of Cargo.	2nd Half-year of 1880.		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.				RS.	
..	..	..	..	..	..	..	..	..	Gunpowder and other explosives	..	..	From October, Southern extension of 14 miles of the canal has come into use from the Pálar river to the Southern extremity of the Moodeliarkupam backwater, making the total length of Southern canal open 58 miles.
16	..	3	41	10 4 0	7	..	..	..	Oil-seeds of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Lamp-oil	..	..	
..	..	..	..	..	..	..	..	..	Soapnuts	..	..	
84	..	16	..	..	..	..	..	..	Ghee	..	..	
..	..	..	37	9 4 0	6	..	..	..	Fish, salt, and fresh of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Tobacco	..	..	
29	..	6	..	..	..	..	..	..	Opium	..	..	
..	..	..	..	..	..	..	..	..	Jaggery	..	..	
..	..	..	..	..	..	..	..	..	Indigo	..	..	
..	..	..	..	..	..	..	..	..	Chay roots	..	..	
..	..	..	..	..	..	..	..	..	Saffron	..	..	
..	..	..	17	4 4 0	3	34	8 8 0	6	Turmeric	6,321	278	
36	..	6	..	..	..	..	..	..	Coriander seeds	..	..	
10	..	2	26	6 8 0	4	..	..	..	Tala leaves	..	..	
129	..	22	..	..	..	..	..	..	Cassia Aricutla bark "Avaram"	..	..	
357	..	65	38	9 8 0	6	405	110 4 0	66	Cocoanuts	19,798	8,119	
41	..	6	113	26 8 0	17	64	14 8 0	10	Vegetables of all kinds	2,842	742	
..	..	..	19	4 12 0	3	..	..	..	Liquors of all kinds	..	..	
130	..	23	..	..	..	..	..	..	Bones	..	..	
5	..	1	..	..	..	..	..	..	Wrecked goods	..	..	
2,846	262 8 0	436	..	..	..	..	..	..	Money	..	..	
479	..	91	143	46 0 0	20	..	..	..	Empty boats	..	..	
			180	146 4 0	31	77	16 0 0	12	Sundry articles in small quantities	3,140	1,284	
25,494½	989 4 0	4,019	9,330	2,423 4 0	1,467	26,440	6,619 4 0	13,762	Total ..	654,112	212,006	
..	767 0 0	..	..	617 0 0	..	..	569 0 0	..	License Fees collected ..	..	..	
..	1,756 4 0	..	..	3,040 4 0	..	..	7,188 4 0	..	Grand Total ..	..	..	

The lengths of Sections and rates for Tolls and Licenses are as given in the Canal Rules published in the Gazette.

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

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STATEMENT of Outward Traffic, &c., on the Buckingham Canal, Southern Section, for the Half-year ending 31st December 1880.

The extremity of this Section is Moodeliarkupam, Chingleput District.

2nd Half-year of 1879.			1st Half-year of 1880.			2nd Half-year of 1880.			Description of Cargo.	2nd Half-year of 1880.		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.					
2,967	..	556	148	28 4 0	25	184	28 12 0	27	Passengers	5,506	No. 82 RS.	From October, Southern extension of 14 miles of the canal has come into use from the Pálar river to the Southern extremity of the Moodeliarkupam backwater, making the total length of Southern canal open 58 miles.
17	..	3	..	..	..	..	..	..	Live stock of all kinds	..	..	
..	..	..	..	..	..	23	..	4	Food-grains—Rice	293	229	
222	..	41	..	..	..	6	..	1	Do. Paddy	138	56	
..	..	..	..	..	..	5	..	1	Do. Ragi	105	6	
..	..	..	..	..	..	..	..	..	Do. Cumbu	..	..	
..	..	..	..	..	..	..	..	..	Do. Cholum	..	..	
..	..	..	..	..	..	..	..	..	Do. Wheat	..	..	
..	..	..	..	..	..	6	..	1	Do. Horse Gram	252	20	
..	..	..	..	..	..	..	..	..	Do. Red do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Bengal do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Green do.	..	..	
..	..	..	..	..	..	..	..	..	Do. Black do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Cotton	..	..	
15	..	3	..	..	..	..	..	..	Twist	..	..	
4	..	1	..	..	..	..	..	..	Hides and Leather of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Firewood and Faggots	..	..	
9	..	2	..	..	..	..	..	..	Charcoal	..	..	
5	..	1	..	1 6 0	3	69	13 0 0	8	Building Materials—Timber of all kinds ..	2,530	388	
..	..	..	..	..	..	6	1 8 0	1	Do. Bamboos	216	40	
..	..	..	..	..	..	..	..	..	Do. Stone of all kinds ..	..	..	
84	..	15	..	..	..	..	..	..	Do. Bricks and Tiles ..	..	..	
..	..	..	..	..	..	..	..	..	Do. Chunam and Cement ..	..	..	
..	..	..	..	..	..	..	..	..	Do. Shells	..	..	
..	..	..	..	..	..	..	..	..	Do. Palmyra leaves	..	..	
..	..	..	..	..	..	..	..	..	Do. Various	..	..	
..	..	..	..	..	..	..	..	..	Tools	..	..	
7	..	1	..	..	..	..	..	..	Iron-ware	..	..	
..	..	..	..	..	..	..	..	..	Brass-ware	..	..	
..	..	..	..	..	..	..	..	..	Fibres and Ropes of all kinds	..	..	
..	..	..	..	..	..	6	1 8 0	1	Cloth	252	50	
297	..	46	28	5 12 0	4	..	..	..	Gunny bags	..	..	
..	..	..	..	..	..	6	..	1	Salt	252	50	
..	..	..	..	..	..	..	..	..	Saltpetre	..	..	
..	..	..	..	..	..	..	..	..	Gunpowder and other explosives	..	..	
..	..	..	..	..	..	..	..	..	Oil-seeds of all kinds	..	..	

Statement of Outward Traffic, &c., on the Buckingham Canal, Southern Section, for the Half-year ending 31st December 1880—*cont.*

2ND HALF-YEAR OF 1879.			1ST HALF-YEAR OF 1880.			2ND HALF-YEAR OF 1880.			Description of Cargo.	2ND HALF-YEAR OF 1880.		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.				RS.	
29	..	5	18	4 8 0	3	..	..	..	Lamp-oil	..	..	From October, Southern extension of 14 miles of the canal has come into use from the Palar river to the Southern extremity of the Moodeliarkupam back-water, making the total length of Southern canal open 58 miles.
..	..	..	..	..	..	..	..	..	Soapnuts	..	..	
..	..	..	..	..	..	..	..	..	Ghee	..	..	
..	..	..	..	..	..	..	..	..	Fish, salt, and fresh of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Tobacco	..	..	
..	..	..	..	..	..	..	..	..	Opium	..	..	
..	..	..	..	..	..	..	..	..	Jaggery	..	..	
..	..	..	..	..	..	..	..	..	Indigo	..	..	
..	..	..	..	..	..	..	..	..	Chay roots	..	..	
..	..	..	..	..	..	..	..	..	Saffron	..	..	
..	..	..	..	..	..	..	..	..	Turmeric	..	..	
..	..	..	..	..	..	..	..	..	Coriander seeds	..	..	
..	..	..	..	..	..	..	..	..	Tala leaves	..	..	
7	..	1	..	..	..	..	..	..	Cassia Ariculata bark "Avaram"	..	..	
..	..	..	..	..	..	..	..	..	Cocoanuts	..	..	
5	..	1	..	..	..	..	..	..	Vegetables of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Liquors of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Bones	..	..	
..	..	..	..	..	..	..	..	..	Wrecked goods	..	..	
6	..	1	..	..	..	..	..	..	Money	..	..	
..	..	..	2,145	511 0 0	231	16,507	3,705 0 0	2,130	Empty boats	402,458	..	
280	..	53	71	17 12 0	11	219	20 8 0	33	Sundry articles in small quantities	8,010	2,118	
3,954	..	730	2,405	568 10 0	277	17,037	3,770 4 0	2,208	Total	420,012	3,007	
..	..	..	..	..	..	..	..	..	License Fees collected	..	..	
..	..	..	..	..	..	..	..	..	Grand Total	..	..	

The lengths of Sections and rates for Tolls and Licenses are as given in the Canal Rules published in the Gazette.

24th March 1881.

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

STATEMENT of Inward Traffic, &c., on the Buckingham Canal, Northern Section, for the Half-year ending 31st December 1880.

The extremity of this section is Pedda Ganjam.

2ND HALF-YEAR OF 1879.			1ST HALF-YEAR OF 1880.			2ND HALF-YEAR OF 1880.			Description of Cargo.	HALF-YEAR OF 188 .		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.					
2,346	760 4 0	726	7,012	1,957 2 0	957	3,162	1,263 4 0	508	Passengers	224,662	No. 4,933	Heavy floods during the north-east monsoon did some damage to the canal, which interfered with traffic considerably during November and December.
											RS.	
51	12 12 0	8	11	2 12 0	2	51	2 12 0	7	Live stock of all kinds	2,460	702	
959	279 8 0	90	715	213 4 0	72	1,072	394 0 0	80	Food-grains—Rice	178,613	1,59,442	
5,508	1,460 8 0	382	10,187	3,476 14 0	1,297	13,240	4,088 12 0	1,219	Do. Paddy	119,795	8,88,894	
972	253 12 0	119	72	30 8 0	6	352	140 4 0	36	Do. Ragi	35,313	13,364	
19	4 12 0	2	..	..	..	..	..	..	Do. Cumbu	..	..	
144	36 0 0	18	..	..	..	533	133 8 0	41	Do. Cholum	29,548	12,763	
..	..	..	..	..	..	53	20 0 0	2	Do. Wheat	7,175	4,780	
462	164 0 0	39	..	..	..	246	88 4 0	16	Do. Horse gram	19,606	4,878	
500	125 0 0	33	620	327 0 0	60	314	176 12 0	26	Do. Red do.	43,231	8,113	
..	..	..	48	36 0 0	2	45	20 4 0	2	Do. Bengal do.	6,273	995	
..	..	..	..	..	..	100	37 0 0	5	Do. Green do.	9,431	1,952	
..	..	..	..	..	..	23	5 12 0	1	Do. Black do.	5,980	400	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
1,752	731 4 0	78	89	38 8 0	7	75	18 4 0	5	Cotton	12,482	12,704	
..	..	..	6	1 8 0	1	7	1 12 0	1	Twist	1,420	1,000	
567	149 4 0	17	31	26 8 0	2	58	31 8 0	4	Hides and leather of all kinds	8,036	3,090	
24,181½	6,032 3 0	1,696	40,433	5,299 2 0	1,604	22,460	4,855 14 0	1,749	Firewood and faggots	957,382	1,55,644	
310	77 8 0	18	..	..	..	24	6 0 0	4	Charcoal	1,422	450	
28¼	7 1 0	3	184	64 1 0	17	89¾	24 3 0	15	Building Materials—Timber of all kinds	3,455½	1,969	
10½	2 10 0	..	..	..	..	19	4 12 0	2	Do. Bamboos	607	123	
42	10 8 0	1	..	..	..	..	..	..	Do. Stone of all kinds	..	..	
44	1 8 0	3	..	..	..	..	..	..	Do. Bricks and tiles	..	..	
..	..	..	..	..	..	10	2 8 0	1	Do. Chunm and cement	480	80	
8,083	2,020 12 0	435	12,527	3,126 8 0	739	6,602	1,694 4 0	405	Do. Shells	301,894	38,657	
109	26 8 0	28	28	7 0 0	2	744	21 0 0	23	Do. Palmyra leaves	2,534	130	
..	..	..	..	..	..	..	..	..	Do. Various	..	..	
125	31 4 0	22	83	53 0 0	20	37	9 4 0	2	Tools, Government	3,367	3,500	
..	..	..	..	..	..	..	..	..	Ironware	..	..	
..	..	..	..	..	..	9	2 4 0	1	Brassware	765	1,000	
260	68 0 0	29	9	6 12 0	1	18	6 8 0	2	Fibres and ropes of all kinds	3,750	182	
730	263 12 0	67	283	108 8 0	46	403	172 0 0	49	Cloth	117,740	1,11,312	
159	39 12 0	5	..	..	..	110	25 0 0	6	Gunny bags	8,668	2,145	
10,918	2,729 8 0	390	14,349	3,587 4 0	625	67,394	16,848 8 0	3,713	Salt, Government	2,045,969	47,39,188	
..	..	..	..	..	..	50	31 0 0	3	Saltpetre	6,232	1,640	
..	..	..	..	..	..	45	30 12 0	3	Gunpowder and other explosives, Government	9,165	22,400	
271	296 8 0	119	365	134 4 0	39	884	468 8 0	80	Oil seeds of all kinds	132,390	45,935	

STATEMENT of Inward Traffic, &c., on the Buckingham Canal, Northern Section, for the Half-year ending 31st December 1880—*cont.*

2ND HALF-YEAR OF 1879.			1ST HALF-YEAR OF 1880.			2ND HALF-YEAR OF 1880.			Description of Cargo.	HALF-YEAR OF 188		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.				RS.	Heavy floods during the north-east monsoon did some damage to the canal, which interfered with traffic considerably during November and December.
6	1 8 0	1	..	..	..	..	..	..	Lamp-oil	..	..	
41	10 4 0	2	..	..	..	9	2 4 0	1	Soap-nuts	396	500	
288	75 4 0	30	40	10 0 0	4	10	..	1	Ghee	480	800	
334	86 0 0	110	535	181 4 0	119	540	134 0 0	123	Fish, salt and fresh, of all kinds	25,311	7,761	
904	283 4 0	34	176	42 4 0	73	380	109 8 0	40	Tobacco	47,074	21,302	
58	26 0 0	2	..	..	..	..	..	..	Opium	..	..	
40½	10 1 0	3	..	..	..	78	22 0 0	7	Jaggery	6,517	3,059	
743	330 12 0	40	924	626 8 0	69	108	71 0 0	8	Indigo	19,042	76,940	
51	12 12 0	5	43	6 12 0	4	90	32 4 0	4	Chayroots	16,089	2,750	
38	12 8 0	5	..	..	..	42	30 4 0	4	Saffron	10,800	2,775	
..	..	..	21	7 4 0	3	..	..	..	Turmeric	..	..	
723	180 8 0	48	3,512	1,967 12 0	274	660	389 0 0	44	Coriander seeds	122,008	24,687	
14	3 8 0	2	..	..	..	6	1 8 0	1	Tala leaves	336	12	
236	66 8 0	20	55	23 12 0	6	89	38 4 0	5	Cassia Ariculata bark "Avaram"	15,518	4,128	
5	1 4 0	1	..	..	..	..	..	..	Cocoanuts	..	..	
5	1 4 0	1	..	..	..	12	3 0 0	2	Vegetables of all kinds	538	30	
7	..	1	..	..	..	..	..	..	Liquors of all kinds	..	..	
..	..	..	..	..	..	7	1 12 0	1	Bones	336	90	
15	3 12 0	2	..	..	..	..	..	..	Wrecked goods	..	..	
99	24 12 0	16	96	18 0 0	15	76	19 4 0	13	Money, Government	6,408	11,400	
564¼	150 13 0	499	1,633	197 12 0	202	1,263	199 0 0	243	Empty boats	37,524⅝	..	
3,684	1,510 12 0	246	27,208	4,755 3 6	714	13,756	5,304 10 0	728	Sundry articles in small quantities	1,102,772	5,70,377	
..	..	..	..	..	..	1,35,355	36,981 15 0	9,236				
						..	2,056 0 0	..	Deduct refunds after testing Tonnage of Boats.			
66,406¾	18,385 12 0	5,396	1,21,295	26,332 14 6	6,982	..	34,925 15 0	..	Total ..	5,711,495⅝	69,68,459	
..	3,191 7 0	..	..	9,486 12 0	..	..	8,727 4 0	..	License Fees collected ..	..	..	
..	21,577 3 0	..	..	35,819 10 6	..	..	43,653 3 0	..	Grand Total ..	..	..	

The lengths of sections and rates for tolls and licenses are as given in the Canal Rules published in the Gazette.

24th March 1881.

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

906
5

STATEMENT of Outward Traffic, &c., on the Buckingham Canal, Northern Section, for the Half-year ending 31st December 1880.

The extremity of this section is Pedda Ganjam, length 195 miles.

2ND HALF-YEAR OF 1879.			1ST HALF-YEAR OF 1880.			2ND HALF-YEAR OF 1880.			Description of Cargo.	2ND HALF-YEAR OF 1880.		Remarks.
Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.	Tons.	Tolls.	No. of Boats.		Ton Mileage.	Value of Cargo.	
	RS. A. P.			RS. A. P.			RS. A. P.					Heavy floods during the north-east monsoon did some damage to the canal, which interfered with traffic considerably during November and December.
9,837½	2,497 6 0	932	40,332	2,274 12 0	1,815	8,771	1,212 12 0	1,182	Passengers	607,808	No. 12,868	
											RS.	
33	21 0 0	4	..	..	..	158	31 12 0	14	Live stock of all kinds	25,579	6,042	
190	20 4 0	24	..	..	..	365	9 4 0	46	Food-grains—Rice	13,476	4,051	
153	36 0 0	23	394	88 8 0	41	23	5 12 0	3	Do. Paddy	1,058	510	
..	..	..	..	..	..	9	2 4 0	1	Do Ragi	444	60	
..	..	..	..	..	..	..	..	..	Do. Cumbu	..	..	
104	23 8 0	5	..	..	..	40	2 4 0	4	Do. Cholum	1,788	1,140	
..	..	..	..	..	..	16	..	1	Do. Wheat	4,160	152	
..	..	..	63	15 8 0	6	31	2 8 0	2	Do. Horse gram	3,640	300	
..	..	..	..	..	..	21	..	1	Do. Red do.	194	200	
..	..	..	21	5 4 0	1	6	1 8 0	1	Do. Bengal do.	990	200	
..	..	..	..	..	..	..	..	..	Do. Green do.	..	..	
..	..	..	105	20 4 0	7	..	..	..	Do. Black do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
..	..	..	..	..	..	..	..	..	Do.	..	..	
49	29 12 0	3	87	29 0 0	8	6	..	1	Cotton	90	40	
213	79 8 0	16	38	13 4 0	4	211	35 12 0	17	Twist	31,813	34,180	
38	9 8 0	2	..	..	..	..	..	..	Hides and leather of all kinds	..	..	
..	..	..	..	..	..	..	..	..	Firewood and faggots	..	..	
..	..	..	..	..	..	..	..	..	Charcoal	..	..	
205⅝	46 13 3	16	434	101 6 6	49	853	118 12 0	77	Building Materials—Timber of all kinds ..	52,787	20,403	
48	10 8 0	4	39	3 0 0	6	24	1 8 0	2	Do. Bamboos	1,768	65	
..	..	..	..	..	..	96	5 4 0	11	Do, Stone of all kinds ..	7,292	1,387	
66	..	6	..	..	..	36	..	3	Do. Bricks and tiles.. ..	1,440	75	
..	..	..	22	4 0 0	2	..	..	..	Do. Chunam and cement ..	..	..	
..	..	..	..	..	..	..	..	..	Do. Shells	..	..	
28	1 12 0	2	..	..	..	..	..	..	Do. Palmyra leaves.. ..	..	..	
32	5 8 0	3	13	1 8 0	2	250	52 8 0	33	Do. Various	20,226	1,870	
264½	54 6 0	17	74	20 0 0	11	..	..	..	Tools	..	..	
148	51 8 0	12	872	319 0 0	74	576	93 8 0	52	Ironware	88,717	19,181	
19	4 12 0	2	29	14 8 0	1	32	12 8 0	3	Brassware	4,380	1,090	
47	15 0 0	7	..	..	..	..	..	..	Fibres and ropes of all kinds	..	..	
496	145 0 0	27	812	311 0 0	7	409	128 12 0	134	Cloth	93,183	1,02,443	
84	39 0 0	6	208	25 8 0	17	1,857	369 8 0	134	Gunny bags	165,835	9,483	
..	..	..	..	..	..	966	..	84	Salt	33,157	35,891	
..	..	..	..	..	..	..	..	..	Saltpetre	..	..	
..	..	..	..	..	..	9	6 12 0	1	Gunpowder and other explosives	2,340	500	
39	..	2	167	46 12 0	16	16	..	2	Oil seeds of all kinds	1,324	124	
..	..	..	..	..	..	16	..	2	Lamp-oil	860	860	

Statement of Outward Traffic, &c., on the Buckingham Canal, Northern Section, for the Half-year ending 31st December 1880—*cont.*

2nd Half-year of 1879. Tons.	2nd Half-year of 1879. Tolls. RS. A. P.	2nd Half-year of 1879. No. of Boats.	1st Half-year of 1880. Tons.	1st Half-year of 1880. Tolls. RS. A. P.	1st Half-year of 1880. No. of Boats.	2nd Half-year of 1880. Tons.	2nd Half-year of 1880. Tolls. RS. A. P.	2nd Half-year of 1880. No. of Boats.	Description of Cargo.	2nd Half-year of 1880. Ton Mileage.	2nd Half-year of 1880. Value of Cargo. RS.	Remarks.
..	..	..	15	15 12 0	1	..	..	..	Soap-nuts ..	..	..	Heavy floods during the north-east monsoon did some damage to the canal, which interfered with traffic considerably during November and December.
99	14 0 0	10	..	..	..	..	..	..	Ghee ..	..	..	
..	..	..	..	..	..	10	..	1	Fish, salt and fresh, of all kinds ..	700	360	
24	58 0 0	3	..	..	..	35	..	3	Tobacco ..	6,509	470	
..	..	..	..	..	..	..	..	..	Opium ..	..	..	
65	8 0 0	4	..	..	..	132	18 0 0	12	Jaggery ..	18,416	3,758	
..	..	..	..	..	..	..	..	..	Indigo ..	..	..	
..	..	..	..	..	..	..	..	..	Chayroots ..	..	..	
..	..	..	..	..	..	..	..	..	Saffron ..	..	..	
..	..	..	..	..	..	..	..	..	Turmeric ..	..	..	
..	..	..	33	10 12 0	5	..	..	..	Coriander seeds ..	..	..	
..	..	..	..	..	..	..	..	..	Tala leaves ..	..	..	
..	..	..	..	..	..	..	..	..	Cassia Aricutala bark " Avaram " ..	..	..	
6	..	1	..	..	..	69	14 0 0	8	Cocoanuts ..	5,911	176	
7	1 12 0	1	..	..	..	12	1 8 0	2	Vegetables of all kinds ..	1,848	28	
236	58 12 0	16	85	42 8 0	4	92	15 8 0	6	Liquors of all kinds ..	62,780	6,520	
..	..	..	..	..	..	..	..	..	Bones ..	..	..	
..	..	..	..	..	..	..	..	..	Wrecked goods ..	..	..	
..	..	..	..	..	..	28	1 8 0	5	Money ..	1,356	709	
8,952	468 4 0	650	62,254	2,028 12 0	3,962	112,616	3,483 8 0	6,899	Empty boats ..	4,193,649	..	
3,169	1,256 4 0	239	7,348	2,446 13 2	661	9,795	2,303 12 0	819	Sundry articles in small quantities ..	1,198,371	9,04,225	
24,657¾	4,984 1 3	2,036	113,445	7,837 11 8	6,700	137,615	7,930 9 0	9,566	Total ..	6,633,895	11,56,493	
..	..	..	..	..	..	..	..	..	License Fees collected ..	..	..	
..	..	..	..	..	..	..	..	..	Grand Total ..	..	..	

The lengths of sections and rates for tolls and licenses are as given in the Canal Rules published in the Gazette.

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

24th March 1881.

STATEMENT showing the Number and Tonnage of different descriptions of Boats licensed for each Section of the Buckingham Canal for the Year 1880.

UNCOVERED CARGO BOATS.

—	5 Tons.	6 Tons.	7 Tons.	8 Tons.	9 Tons.	10 Tons.	11 Tons.	12 Tons.	13 Tons.	14 Tons.	15 Tons.	16 Tons.	17 Tons.	18 Tons.	19 Tons.	20 Tons.	21 Tons.	22 Tons.	23 Tons.	24 Tons.	25 Tons.	26 Tons.	27 Tons.	28 Tons.	29 Tons.	30 Tons.	31 Tons.	32 Tons.	Total Boats.
A or Sadras Section ..	8	14	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31
B or Madras do. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
C or Pulicat do. ..	5	24	12	11	5	9	8	5	8	11	12	11	17	14	9	15	18	23	27	11	12	12	19	7	6	2	1	2	316
D or Kistnapatam Section ..	..	..	2	3	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
E or Ramapatam do. ..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	3
F or Kottapatam do. ..	..	3	3	2	..	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
Total ..	13	41	26	17	5	12	10	5	9	12	12	11	17	14	9	16	18	23	27	11	12	12	19	7	6	2	1	2	369

COVERED CARGO AND PASSENGER BOATS (INCLUDING "TOP BOATS").

—	2 Tons.	3 Tons.	4 Tons.	5 Tons.	6 Tons.	7 Tons.	8 Tons.	9 Tons.	10 Tons.	11 Tons.	12 Tons.	13 Tons.	14 Tons.	15 Tons.	16 Tons.	17 Tons.	19 Tons.	20 Tons.	21 Tons.	22 Tons.	26 Tons.	30 Tons.	Total Boats.
A or Sadras Section ..	4	1	4	30	26	12	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	78
B or Madras do. ..	1	..	1	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
C or Pulicat do. ..	12	8	5	27	78	58	40	34	16	10	4	3	1	3	1	1	..	1	3	1	1	1	308
D or Kistnapatam Section ..	..	..	..	..	1	5	1	1	3	1	..	..	..	..	..	..	1	..	..	..	..	..	13
E or Ramapatam do. ..	..	..	..	..	4	8	7	..	5	3	..	..	..	..	..	..	..	..	..	..	..	..	27
F or Kottapatam do. ..	..	..	..	1	5	5	3	4	3	3	..	..	..	1	1	..	..	..	1	..	..	..	27
Total ..	17	9	10	60	115	88	52	39	27	17	4	3	1	4	2	1	1	1	4	1	1	1	458

DECKED BOATS.

—	9 Tons.	10 Tons.	11 Tons.	13 Tons.	21 Tons.	22 Tons.	23 Tons.	24 Tons.	25 Tons.	Total Boats.
A or Sadras Section ..	..	..	..	..	..	..	..	..	..	..
B or Madras do. ..	..	..	..	..	..	1	..	..	..	1
C or Pulicat do. ..	1	..	2	1	2	1	..	1	1	9
D or Kistnapatam Section ..	..	..	..	..	..	..	1	..	..	1
E or Ramapatam do. ..	..	1	..	1	..	..	..	..	..	2
F or Kottapatam do. ..	..	..	..	..	..	..	..	..	..	..
Total ..	1	1	2	2	2	2	1	1	1	13

RADARI BOATS.

—	13 Tons.	16 Tons.	19 Tons.	21 Tons.	22 Tons.	24 Tons.	25 Tons.	27 Tons.	29 Tons.	Total Boats.
A or Sadras Section ..	..	..	..	..	..	..	..	..	..	..
B or Madras do. ..	1	..	1	..	..	..	..	1	..	3
C or Pulicat do. ..	..	..	..	1	1	..	1	..	..	3
D or Kistnapatam Section ..	..	..	..	..	..	..	..	..	..	..
E or Ramapatam do. ..	..	1	..	..	..	..	..	..	1	2
F or Kottapatam do. ..	..	..	..	..	..	1	..	..	1	2
Total ..	1	1	1	1	1	1	1	1	2	10

DINGHI BOATS.

—	9 Tons.	12 Tons.	16 Tons.	17 Tons.	24 Tons.	Total Boats.	Fishing Boats, Total.	Various other Boats, Total.	Total Number of all kinds of Boats.	Total Tonnage of Boats.
A or Sadras Section ..	..	..	..	..	..	..	2	2	113	619
B or Madras do. ..	..	..	..	..	..	..	..	31	40	233
C or Pulicat do. ..	1	2	1	..	1	5	87	12	740	8,469
D or Kistnapatam Section ..	..	..	..	..	..	..	1	1	22	193
E or Ramapatam do. ..	..	..	..	..	..	..	..	..	34	342
F or Kottapatam do. ..	..	..	..	1	..	1	..	..	43	422
Total ..	1	2	1	1	1	6	90	46	992	10,278

	RS.
REMARKS.—Total receipts of licenses	20,837
Deduct amount refunded to tested boats	1,176
Balance ..	19,661
Deduct amount of license fees for 1881 collected in 1880.	261
	19,400

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

STATEMENT showing the Receipts from Tolls for each Toll Office in each Month in 1880 on the Buckingham Canal.

Stations.	1880.												Total.	Remarks.	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.
A B (Adyar) Toll Office.	205	356	286	229	419	1,370	1,564	1,980	2,187	3,569	524	567	13,256	Total receipts as above ...	92,466
B C (Shadayankuppum) do.	1,531	2,452	2,527	2,776	3,477	5,577	6,625	7,670	7,848	3,833	1,448	2,422	48,186		
C D (Raidurruvu) do.	1,205	836	511	1,452	1,191	1,213	1,411	1,648	1,677	1,603	517	658	13,922	Deduct refunds ...	2,056
D E (Kodur) do.	661	471	549	1,075	695	860	902	707	595	633	298	439	7,885		
E F (Ramapatam) do.	643	445	579	773	661	308	361	529	447	496	229	462	5,933		90,410
Pedda Ganjam do.	285	207	539	250	210	134	199	224	273	401	227	335	* 3,284		
Total ...	4,530	4,767	4,991	6,555	6,653	9,462	11,062	12,758	13,027	10,535	3,243	4,883	92,466		

* As Pedda Ganjam is the northernmost point of the Buckingham Canal, no tolls are taken there from boats going northwards.

(Signed) A. AWDRY, Captain, R.E.,
Supt. of Works, Buckingham Canal.

24th March 1881.

No. 6. ORDER THEREON, 4th April 1881, No. 906 W.

THE Right Honorable the Governor in Council approves for adoption the proposed forms for recording the traffic on the Buckingham Canal. The commodities should, however, be arranged alphabetically in future returns.

2. It is observed that the total number of boats licensed during the year 1880 was 992, having a gross tonnage of 10,278, and that the receipt from licenses amounted to Rs. 20,837. From this sum Rs. 1,176 have been refunded to boat-owners after actual test of the capacity of boats, and Rs. 261 belong to the following year, leaving Rs. 19,400 as the net total of the receipts from licenses.

3. The receipts on account of tolls amounted to Rs. 55,508 for the half-year ending 31st December against Rs. 36,958 for the previous half-year. The total for the year was therefore Rs. 92,466. The largest sums were realized in the months of July, August, September, and October, when the receipts exceeded Rs. 10,000 a-month. In November they fell to Rs. 3,243, and only slightly improved in December. This fall is attributed to the interruption to traffic caused by the freshes of the north-east monsoon, which will in great measure be obviated by the provision of flood-gates.

4. Salt, firewood, and shells exhibit the greatest ton mileage, and the value of food-grains bears a high ratio to the total value of cargo carried.

5. On the Northern Section of the Canal there were for the half-year ending 31st December 12,868 outwards and 4,983 inwards passengers, and on the Southern Section 82 outwards and 168 inwards passengers, or a total of 18,051 passengers both ways on the two sections.

6. The results are considered satisfactory on the whole.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

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

.Exd. T. O'Connor and A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras.

PUBLIC WORKS.

To

The SUPERINTENDENT of WORKS,
BUCKINGHAM CANAL,
&c., &c., &c.

Dated April, 4th.

Issued

Encl.

Recd.

G. O., 4th April 1881, No. 906 W.

APRIL.
Nos. 5-6.

Buckingham Canal.—Orders on the Traffic Return of the — for the half-year ending 31st December 1880.

906/8

No.

Office of the Superintendent of Works,
Buckingham Canal.

Camp, 12th March 1881.
Despd 25th —

From

The SUPERINTENDENT of WORKS,
Buckingham Canal,

To

The CHIEF ENGINEER,
Public Works Department,
Madras.

Sir,

Enclosure.

I have the honor to forward herewith the Traffic Return of the Buckingham Canal for the half year ending the 31st December 1880. I have entered in the statement for ready reference the returns for the two previous half years.

2. As the number of items in these returns was becoming excessive I have made a different arrangement of the items to that on which the former half yearly returns were submitted, and have recast those returns into the present grouping in the return I now submit.

3. I trust that if this system

of record meets with your approval it will be maintained for the future without alteration, so that all half yearly returns will be easily compared. For facility of reference I have had the Forms printed and have supplied Copies to the Toll Office Clerks so that they may enter all Cargo under some one of the heads entered in the List.

4. While there is very considerable improvement due for the most part to grain from Nellore District, I am rather disappointed not to find a far larger amount of food grain finding its way to Madras from the Kistna and Godaveri Deltas by the Buckingham Canal, I trust that this may improve in time, but at present I fear that we cannot hope for very much on account of the fact that the Rice crop is only just reaped and ready for transport at the very time when the line of communication

is cut by the closure of the Kistna Canals for clearance.

5. The returns from Salt traffic are above the average owing to there being a scarcity of Salt in Madras at the Commencement of the year, but the Canal must always command a larger share of the carriage of Salt as water carriage is cheap and it runs close to the Factories besides carrying the Salt without transhipment to the exact point where it is required in Madras.

6. The Southern extension of the Canal only came into use in the two last months of 1880 but from the number of Boats already using it there is good reason to hope that it will materially add to the convenience of the people and the Revenue of the Southern Canal.

7. I have had a statement showing the number of Boats licensed for each Section of the

Canal

Canal, giving the number of each Tonnage in the case of the Boats mostly used for Traffic, and I have the honor to request that orders may be passed to submit statements in similar Form every year so that comparison of the boat building operations may be regularly recorded and available for Examination. The Receipts from License fees are satisfactory the more so as they have been subjected to a diminution from the operation of the new Rule permitting Boats to be registered on the Tonnage arrived at by actually Testing them to try what they can carry, this has resulted in an immediate loss in receipts but will I trust in the future be far more than compensated for by a gain in the confidence of Boatowners and Builders. They and the Boatmen

were

were loud in their complaints of having to pay License fees for more Tonnage than their Boats could carry but this grievance is now at an end. During 1881 probably all Boats which have not already been tested will be brought to Madras for the purpose and receive refunds of excess charges, so I do not anticipate any increase in License receipts in 1881 though many Kistna Boats will no doubt take out Licenses for the Buckingham Canal.

8. A Statement showing the receipts for Tolls at each Toll Office in each Month is also forwarded. It represents in a striking manner the loss of Revenue in the Months when the Canal traffic is liable to partial interruption during the period of the North East monsoon freshes, and affords

evidence

evidence that the provision of Flood gates will be directly beneficial in increase of Revenue besides being indirectly beneficial in the saving of outlay on clearances. I have the honor to request that orders may be issued for the record of this statement also in each year.

I have the honor to be
Sir
Your Most Obedient Servant
A. Avdry. Captain. R.E.
Superintendent of Works
Buckingham Canal.

M.R.
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From S. W. C. No. 1925

THE SUPERINTENDENT OF WORKS,
BUCKINGHAM CANAL,

To

THE CHIEF ENGINEER,
PUBLIC WORKS DEPARTMENT,
Madras.

Dated 12th March 1881.
Despd 25th do —

62 28

No. 3495.

ENCLOSURE. 4. 6

Traffic Return of the Buckingham Canal for the half year ending 31st December 1880 —

Forwards the —

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BUCKINGHAM CANAL.

Statement of Inward *Traffic, &c., on the Buckingham Canal,* Southern *Section,*
for the Half-year ending 31st December 188*0*.

906/12

The extremity of this Section is Moodeliar Kuppam Chingleput District. Length 58 miles

2nd HALF-YEAR OF 1879.					1st HALF-YEAR OF 1880.					2nd HALF-YEAR OF 1880.					Description of Cargo.	HALF-YEAR OF 1880.		REMARKS.
Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.		Ton Mileage.	Value of Cargo.	
	Rs.	A.	P.			Rs.	A.	P.			Rs.	A.	P.				Rupees.	
672½	364	6		1270	315	59	12		59	244	44	8		41	Passengers	6920	№ 165	From October Southern Extension of 14 miles of the Canal has commenced from the Palar River to the Southern extremity of the Moodeliar Kuppam Backwater making the total length of Southern Canal open 58 miles
82				14											Live stock of all kinds			
					332	82			54	480	109	8		79	Food grains—Rice	20381	10519	
362				66	206	6	8		5	22	5	8		4	Do. Paddy	979	670	
					6	1	8		1						Do. Ragi			
															Do. Cumbu			
															Do. Cholum			
															Do. Wheat			
															Do. Horse Gram			
															Do. Red do.			
															Do. Bengal do.			
															Do. Green do.			
															Do. Black do.			
															Do.			
															Do.			
															Do.			
															Cotton			
															Twist			
6				1											Hides and leather of all kinds			
3019	69	10		504	2776	697			466	3903	1012	8		659	Firewood and Faggots	76972	30326	
10				2	12	3			2	7	1	12		1	Charcoal	294	30	
19				5	35	8	12		7	240	60			34	Building Materials—Timber of all kinds	8542	3965	
															Do. Bamboos			
198				32	155	38	12		25	269	67	8		44	Do. Stone of all kinds	8908	1965	
															Do. Bricks and Tiles			
64				8	94	23	8		17						Do. Chunam and Cement			
144				22						235	58	12		36	Do. Shells	10079	1754	
142	1	12		27	43	10	12		8	217	54	4		37	Do. Palmyra leaves	4654	728	
															Do. Various			
6				1						7	1	12		1	Tools	245	50	
					376	94			62	367	91	12		60	Iron ware	13896	13930	
										6	1	8		1	Brass ware	144	200	
31				6						6	1	8		1	Fibres and Ropes of all kinds	234	55	
197				39	364	91			59						Cloth			
11				2	6	1	8		1	74	13	8		10	Gunny bags	1071	440	
10314	291			1343	4176	1044			604	19783	4945	12		2660	Salt	468892	136956	
															Saltpetre			
															Gunpowder and other explosives			
16				3	41	10	4		7						Oil seeds of all kinds			
															Lamp oil			
															Soap-nuts			
															Ghee			
84				16	37	9	4		6						Fish, salt, and fresh of all kinds			
															Tobacco			
															Opium			
29				6											Jaggery			
															Indigo			
															Chay roots			
															Saffron			
					17	4	4		3	24	8	8		6	Turmeric	6321	273	
36				6	26	6	8		4						Coriander seeds			
10				2											Tala leaves			
129				22	38	9	8		6						Cassia Aricutala bark "Avaram"			
337				55	113	26	8		17	405	110	4		66	Cocoanuts	19798	8119	
41				6	19	4	12		13	64	14	8		10	Vegetables of all kinds	2842	742	
															Liquors of all kinds			
130				23											Bones			
5				1											Wrecked goods			
2846	252	8		436	143	46			20						Money			
479				91	180	146	4		31						Empty boats			
										77	16			12	Sundry articles in small quantities	3140	1284	
25494½	989	4		4019	9330	2423	4		1467	26440	6619	4		3262	Total	654112	212006	
	767					617					569				License Fees collected			
	1756	4				3040	4											

OFFICE OF THE SUPERINTENDENT OF WORKS,
Buckingham Canal,
188[illegible]

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BUCKINGHAM CANAL.

Statement of Outward *Traffic, &c., on the Buckingham Canal,* Southern *Section,*

for the Half-year ending 31st December 1880.

The extremity of this Section is ~~[illegible]~~ Moodaliarkupum Chinglepet District

2nd Half-year of 1879					1st Half-year of 1880					2nd Half-year of 1880					Description of Cargo.	2d Half-year of 1880		Remarks.
Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.		Ton Mileage.	Value of Cargo.	
4	7			4	4	7			4	4	7			4	22	6	8	9
4	Rs.	A.	P.	1	1	Rs.	A.	P.	1	1	Rs.	A.	P.	1		1	Rupees.	1
2967		√		556	148	28	4		25	184	28	12		27	Passengers	5506	4 22	From October Southern extension of 18 miles of the Canal has come into use from the Palar River to the Southern extremity of the Presidency Cuyam Backwater making the total length of Southern Canal 55 miles
				3											Live stock of all kinds			
17										23				4	Food grains—Rice	293	229	
										6				1	Do. Paddy	138	56	
222				41						5				1	Do. Ragi	105	6	
															Do. Cumbu			
															Do. Cholum			
															Do. Wheat			
										6				1	Do. Horse Gram	252	20	
															Do. Red do.			
															Do. Bengal do.			
															Do. Green do.			
															Do. Black do.			
															Do.			
															Do.			
															Do.			
															Cotton			
15				3											Twist			
4				1											Hides and leather of all kinds			
															Firewood and Faggots			
9				2											Charcoal			
5				1		1	6		3	69	13			8	Building Materials—Timber of all kinds.	2530	386	
										6	1	8		1	Do. Bamboos	216	48	
															Do. Stone of all kinds			
54				15											Do. Bricks and Tiles			
															Do. Chunam and Cement.			
															Do. Shells			
															Do. Palmyra leaves			
															Do. Various			
															Tools			
7				1											Iron ware			
															Brass ware			
															Fibres and Ropes of all kinds			
										6	1	8		1	Cloth	252	50	
297				46	23	5	12		4						Gunny bags			
										6				1	Salt	252	50	
															Saltpetre			
															Gunpowder and other explosives			
29	4			4	18	4	8		3						Oil seeds of all kinds			
															Lamp oil			
															Soap-nuts			
															Ghee			
															Fish, salt, and fresh of all kinds			
															Tobacco			
															Opium			
															Jaggery			
															Indigo			
															Chay roots			
															Saffron			
															Turmeric			
															Coriander seeds			
7				1											Tata leaves			
															Cassia Ariculata bark "Avaram"			
5				1											Cocoanuts			
															Vegetables of all kinds			
															Liquors of all kinds			
															Bones			
6				1											Wrecked goods			
															Money			
280				53	2145	511			231	16507	3705			2130	Empty boats	402458		
					71	17	12		11	219	20	8		33	Sundry articles in small quantities	8010	2118	
3954				730	2405	568	10		277	17037	3770	4		2208	Total	420012	3007	
															License Fees collected			
															Total			

Office of the Superintendent of Works,
Buckingham Canal,
21st March 1881.

Northern Section

for th

1880.

is Pedda Ganjam

306/14

2nd Half-year of 1879.					1st Half-year of 1880.					2nd Half-year of 1880.					Description of Cargo.	Half-year of 188		Remarks.
Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.		Ton Mileage.	Value of Cargo.	
	Rs.	A.	P.			Rs.	A.	P.			Rs.	A.	P.				Rupees	
2348	760	4	.	726	7012	1957	2	.	957	3162	1263	4	.	508	Passengers	224662	Rs 4933	Heavy floods during the North East monsoon did some damage to the Canal which interfered with traffic considerably during November and December.
51	12	12	.	8	11	2	12	.	2	51	2	12	.	7	Live stock of all kinds	2460	702	
959	279	8	.	90	715	213	4	.	72	1072	394	.	.	80	Food grains—Rice	178613	159442	
5508	1460	8	.	382	10187	3476	14	.	1297	13240	4088	12	.	1219	Do. Paddy	119795	88859	
972	253	12	.	119	72	30	8	.	6	352	140	4	.	36	Do. Ragi	35813	13384	
19	4	12	.	2	.	.	.	.	.	.	.	.	.	.	Do. Cumbu	.	.	
144	36	.	.	18	.	.	.	.	.	533	133	8	.	41	Do. Cholum	29548	12762	
.	.	.	.	.	.	.	.	.	.	53	20	.	.	2	Do. Wheat	7175	4780	
462	164	.	.	39	.	.	.	.	.	246	88	4	.	16	Do. Horse Gram	19606	4878	
500	125	.	.	33	620	327	.	.	60	314	176	12	.	26	Do. Red do.	43231	8113	
.	.	.	.	.	48	36	.	.	2	45	20	4	.	2	Do. Bengal do.	6273	995	
.	.	.	.	.	.	.	.	.	.	100	37	.	.	5	Do. Green do.	9431	1952	
.	.	.	.	.	.	.	.	.	.	23	5	12	.	1	Do. Black do.	5980	400	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
1752	731	4	.	78	89	38	8	.	7	75	18	4	.	5	Cotton	12482	1270	
.	.	.	.	.	6	1	8	.	1	7	1	12	.	1	Twist	1420	1000	
567	149	4	.	17	31	26	8	.	2	58	31	8	.	4	Hides and leather of all kinds	8036	3090	
24181½	6082	3	.	1646	40433	5299	2	.	1604	22460	4855	14	.	1749	Firewood and Faggots	957382	155644	
310	77	8	.	18	.	.	.	.	.	24	6	.	.	4	Charcoal	1422	450	
28¾	7	1	.	3	184	64	1	.	17	89½	24	3	.	15	Building Materials—Timber of all kinds.	3455½	1969	
10½	2	10	.	.	.	.	.	.	.	19	4	12	.	2	Do. Bamboos	607	123	
42	10	8	.	1	.	.	.	.	.	.	.	.	.	.	Do. Stone of all kinds	.	.	
44	1	8	.	3	.	.	.	.	.	.	.	.	.	.	Do. Bricks and Tiles	.	.	
.	.	.	.	.	.	.	.	.	.	10	2	8	.	1	Do. Chunam and Cement	480	80	
8083	2020	12	.	435	12527	3126	8	.	739	6602	1694	4	.	405	Do. Shells	301894	38657	
109	26	8	.	28	28	7	.	.	2	744	21	.	.	23	Do. Palmyra leaves	2534	130	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do. Various	.	.	
125	31	4	.	22	83	52	.	.	20	37	9	4	.	2	Tools ~~Government~~	3367	3500	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Iron ware	.	.	
.	.	.	.	.	.	.	.	.	.	9	2	4	.	1	Brass ware	765	1000	
260	68	.	.	29	9	6	12	.	1	18	6	8	.	2	Fibres and Ropes of all kinds	3750	182	
730	263	12	.	67	283	105	8	.	46	403	172	.	.	49	Cloth	117740	111312	
159	39	12	.	5	.	.	.	.	.	110	25	.	.	6	Gunny bags	8668	2145	
10918	2729	8	.	390	14349	3587	4	.	625	67394	16848	8	.	3713	Salt ~~Government~~	2045969	4739198	
.	.	.	.	.	.	.	.	.	.	50	31	.	.	3	Saltpetre	6232	1640	
.	.	.	.	.	.	.	.	.	.	45	30	12	.	3	Gunpowder and other explosives Govt.	9165	22400	
271	296	8	.	119	365	134	4	.	39	884	468	8	.	80	Oil seeds of all kinds	132390	45935	
6	1	8	.	1	.	.	.	.	.	.	.	.	.	.	Lamp oil	.	.	
41	10	4	.	2	.	.	.	.	.	9	2	4	.	1	Soap-nuts	396	500	
288	75	4	.	30	40	10	.	.	4	10	.	.	.	1	Ghee	480	800	
334	[illegible]	.	.	110	535	181	4	.	119	540	134	.	.	123	Fish, salt, and fresh of all kinds	25211	7751	
904	283	4	.	34	176	42	4	.	73	380	109	8	.	40	Tobacco	47074	21362	
58	36	.	.	2	.	.	.	.	.	.	.	.	.	.	Opium	.	.	
40½	10	1	.	3	.	.	.	.	.	78	22	.	.	7	Jaggery	6517	3059	
743	330	12	.	40	924	626	8	.	69	108	71	.	.	8	Indigo	19042	76940	
51	12	12	.	5	43	6	12	.	4	90	32	4	.	4	Chay roots	16089	2750	
38	12	8	.	5	.	.	.	.	.	42	30	4	.	4	Saffron	10800	2776	
.	.	.	.	.	21	7	4	.	3	.	.	.	.	.	Turmeric	.	.	
723	180	8	.	48	3512	1967	12	.	274	660	389	.	.	44	Coriander seeds	122008	24[illegible]	
14	3	8	.	2	.	.	.	.	.	6	1	8	.	1	Tala leaves	336	12	
226	66	8	.	20	55	23	12	.	6	89	38	4	.	5	Cassia Aricutala bark "Avaram"	15518	4128	
5	1	4	.	1	.	.	.	.	.	.	.	.	.	.	Cocoanuts	.	.	
5	1	4	.	1	.	.	.	.	.	12	3	.	.	2	Vegetables of all kinds	538	30	
7	.	.	.	1	.	.	.	.	.	.	.	.	.	.	Liquors of all kinds	.	.	
.	.	.	.	.	.	.	.	.	.	7	1	12	.	1	Bones	336	90	
15	3	12	.	2	.	.	.	.	.	.	.	.	.	.	Wrecked goods	.	.	
99	24	12	.	16	93	18	.	.	15	76	19	4	.	13	Money ~~Government~~	6408	11400	
564½	150	13	.	499	1633	197	12	.	202	1263	199	.	.	243	Empty boats	375244⅜	.	
3684	1510	12	.	246	27208	4755	3	6	714	13756	5304	10	.	728	Sundry articles in small quantities	1102772	570377	
66405 9/10	18285	12	.	5396	121295	26332	14	6	6982	135355	36981	15	.	9236	Total	5711495⅛	6958489	
											2056	.	.	.	Deduct refunds after tracing tonnage of Boats			
											34925	15	.					
	3191	7	.			9486	12	.			8727	4	.		License Fees collected			
	21577	3	.			35819	10	6			43653	3			Grand Total			

Office of the Superintendent of Works,
Buckingham Canal.
24th March 1881.

N.B. The lengths of Sections and Rates for Tolls and Licenses are as given in the Canal Rules published in the Gazette.

A. Awdry, Captain, R.E.,
Superintendent of Works, Buckingham Canal.

BUCKINGHAM CANAL.

Statement of Outward *Traffic, &c., on the Buckingham Canal,* Northern *Section,*

for the Half-year ending 31st December 1880.

The extremity of this Section is Pedda Ganjam. Length 195 miles

2d Half-year of 1879.					1st Half-year of 1880.					2d Half-year of 1880.					Description of Cargo.	2d Half-year of 1880.		REMAKKS.
Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.	Tons.	Tolls.			No. of Boats.		Ton Mileage.	Value of Cargo.	
	Rs.	A.	P.			Rs.	A.	P.			Rs.	A.	P.				Rupees.	
9837½	2197	6	.	932	40332	2274	12	.	1815	8771	1212	12	.	1182	Passengers	607808	Rs 12868	Heavy floods during the North East monsoon did some damage to the Canal which interfered with traffic considerably during November and December
33	21	.	.	4	.	.	.	.	.	158	31	12	.	14	Live stock of all kinds	25579	6042	
190	20	4	.	24	.	.	.	.	.	365	9	4	.	46	Food grains—Rice	13476	4051	
158	36	.	.	23	394	85	8	.	41	23	5	12	.	3	Do. Paddy	1058	510	
.	.	.	.	.	.	.	.	.	.	9	2	4	.	1	Do. Ragi	444	60	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do. Cumbu	.	.	
104	23	8	.	5	.	.	.	.	.	40	2	4	.	4	Do. Cholum	1788	1140	
.	.	.	.	.	.	.	.	.	.	16	.	.	.	1	Do. Wheat	4150	142	
.	.	.	.	.	63	15	8	.	6	31	2	8	.	2	Do. Horse Gram	3640	360	
.	.	.	.	.	.	.	.	.	.	21	.	.	.	1	Do. Red do.	194	200	
.	.	.	.	.	21	5	4	.	1	6	1	8	.	1	Do. Bengal do.	990	220	
.	.	.	.	.	105	20	4	.	7	.	.	.	.	.	Do. Green do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do. Black do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do.	.	.	
49	29	12	.	3	87	29	.	.	8	6	.	.	.	1	Cotton	90	40	
213	79	8	.	16	38	13	4	.	4	211	35	12	.	17	Twist	31813	24180	
38	9	8	.	2	.	.	.	.	.	.	.	.	.	.	Hides and leather of all kinds	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Firewood and Faggots	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Charcoal	.	.	
205¾	46	13	3	16	434	101	6	6	49	553	118	13	.	77	Building Materials—Timber of all kinds	52757	20603	
48	10	8	.	4	39	3	.	.	6	24	1	8	.	2	Do. Bamboos	1758	65	
.	.	.	.	.	.	.	.	.	.	95	5	4	.	11	Do. Stone of all kinds	7292	1387	
66	.	.	.	6	.	.	.	.	.	36	.	.	.	3	Do. Bricks and Tiles	1440	75	
.	.	.	.	.	22	4	.	.	2	.	.	.	.	.	Do. Chunam and Cement	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Do. Shells	.	.	
25	1	12	.	2	.	.	.	.	.	.	.	.	.	.	Do. Palmyra leaves	.	.	
32	3	8	.	3	13	1	8	.	2	250	52	8	.	33	Do. Various	20226	1870	
264½	54	6	.	17	74	20	.	.	11	.	.	.	.	.	Tools	.	.	
148	51	8	.	12	872	319	.	.	74	676	93	8	.	52	Iron ware	85717	19181	
19	4	12	.	2	29	14	8	.	1	32	12	8	.	3	Brass ware	4286	1270	
47	15	.	.	7	.	.	.	.	.	.	.	.	.	.	Fibres and Ropes of all kinds	.	.	
496	145	.	.	27	812	311	.	.	7	409	128	12	.	134	Cloth	93183	102443	
84	39	.	.	6	208	25	8	.	17	1857	369	8	.	134	Gunny bags	165835	9493	
.	.	.	.	.	.	.	.	.	.	966	.	.	.	84	Salt	33157	3589	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Saltpetre	.	.	
39	.	.	.	2	167	46	12	.	16	9	6	12	.	1	Gunpowder and other explosives	2340	600	
.	.	.	.	.	.	.	.	.	.	16	.	.	.	2	Oil seeds of all kinds	1344	125	
.	.	.	.	.	15	15	12	.	1	16	.	.	.	2	Lamp oil	800	860	
99	14	.	.	10	.	.	.	.	.	.	.	.	.	.	Soap-nuts	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Ghee	.	.	
24	58	.	.	3	.	.	.	.	.	10	.	.	.	1	Fish, salt, and fresh of all kinds	700	350	
.	.	.	.	.	.	.	.	.	.	35	.	.	.	3	Tobacco	6509	470	
65	8	.	.	4	.	.	.	.	.	.	.	.	.	.	Opium	.	.	
.	.	.	.	.	.	.	.	.	.	132	18	.	.	12	Jaggery	18416	3758	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Indigo	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Chay roots	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Saffron	.	.	
.	.	.	.	.	33	10	12	.	5	.	.	.	.	.	Turmeric	.	.	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Coriander seeds	.	.	
3	.	.	.	1	.	.	.	.	.	.	.	.	.	.	Tala leaves	.	.	
7	1	12	.	1	.	.	.	.	.	.	.	.	.	.	Cassia Aricutals bark "Avaram"	.	.	
236	55	12	.	16	.	.	.	.	.	60	14	.	.	8	Cocoanuts	5911	175	
.	.	.	.	.	85	42	8	.	4	12	1	8	.	2	Vegetables of all kinds	1648	85	
.	.	.	.	.	.	.	.	.	.	92	15	8	.	6	Liquors of all kinds	62780	6520	
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	Bones	.	.	
															Wrecked goods			
										28	1	8	.	5	Money	1356	779	
8452	488	4	.	650	62264	2028	12	.	3962	112615	3483	8	.	6899	Empty boats	4193649	904225	
3169	1256	4	.	229	7348	2446	13	2	661	9795	2303	12	.	819	Sundry articles in small quantities	1198371		
24657¾	4984	1	3	2036	113425	7837	11	8	6700	137625	7930	9	.	9566	Total	1593895	1156493	

Statement shewing the number and Tonnage of different descriptions of Boats
icenced for each section of the Buckingham Canal for the Year 1880

Uncovered Cargo Boat (Tons 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32)	Total Boats	Covered Cargo and Passenger Boats (including Top Boats) (Tons 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22 26 30)	Total Boats	Decked Boats (Tons 9 10 11 13 22 23 24 25)	Total Boats	Radari Boats (Tons 13 16 19 21 22 24 25 27 29)	Total Boats	Dhoni Boats (Tons 9 13 15 21)	Total Boats	Fishing Boats Total	Various other Boats Total	Total number of all kinds of Boats	Total Tonnage of Boats	Remarks
14 9	31	4 1 4 20 26 12 1	78							2	2	113	619	Total Receipts of Licenses — 20,837 Deduct amount refunded by Kotta Boats — 1176 Balance — 19661 Deduct amount of License fees for 1881 Collected in 1880 — 261
	1	1 . 1 2 1	5	1	1	1 . 1 . 1	3			.	31	40	233	
24 12 11 5 9 8 5 8 11 12 11 17 14 9 15 18 23 27 11 12 12 19 7 6 2 1 2	316	12 8 5 37 78 55 10 34 16 10 4 3 1 3 1 1 . 1 3 1 1 1	306	1 . 2 8 21 . 11	9	1 1 . 1	3	1 2 1 . 1	5	87	12	740	849	
2 3 . 1	6	1 5 1 1 3 1 . 1	13	1	1					1	1	22	193	
1 . 1 . 1	9	4 8 7 . 5 3	27	1 . 1	2	1 . 1	2			.	.	34	342	
3 3 2 . 3 2	13	1 5 5 3 4 3 3 . 1 1 . 1	27		.	1 . 1	2	1 . 1	1	.	.	43	422	
[illegible]	319	[illegible]	455	1 1 2 2 2 2 1 1 1	13	1 1 1 1 1 1 1 1 2	10	1 2 1 1 1	6	90	46	992	[illegible]	

Superintendent of Works
am Canal } C.B.

A. Awdry, Captain R.E.
Superintendent of Works
Buckingham Canal

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306/17

Statement showing the Receipts from Tolls for each Toll Office in each month in 1880
on the Buckingham Canal

1880

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Remarks
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	
Toll Office	205	356	286	229	419	1370	1564	1980	2187	3569	524	567	13,256	
Do	1531	2452	2527	2776	3477	5577	6625	7670	7848	3833	1448	2422	48,186	
Do	1205	836	511	1452	1191	1213	1411	1648	1677	1603	517	658	13,922	Total Receipts as above Rs 924[illegible]
Do	661	471	549	1075	695	860	902	707	595	633	298	439	7,885	Deduct Refunds Rs 20[illegible]
Do	643	445	579	7[illegible]0	661	[illegible]	[illegible]	529	447	[illegible]	[illegible]	402	5,933	
Do	285	207	539	250	210	134	199	224	273	401*	227	335	3,284*	Rs 90410
	4530	4767	4991	6555	6653	9462	11062	12758	13027	10535	3243	4883	92466	
	3	3	3	3	3	3	3	4	4	4	3	3	4	

* As Pedda Ganjam is the Northernmost point of the Buckingham Canal no Tolls are taken there from Boats going Northwards

A. Awdry. Captain
Superintendent of Wor
Buckingham Canal

Superintendent of Work
kingham Canal
24th March 1881

№ 906 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 4th April/81.

Read the following :—

From the Superintendent of works Buckingham Canal } H. E. No. 3495 dated 12th March/81.

The Right Honorable the Governor in Council approves for adoption the proposed forms for recording the traffic on the Buckingham Canal. The Commodities should however be arranged alphabetically in future returns.

It is observed that the total number of Boats licensed during the year 1880 was 992 having a gross tonnage of 10278, and that the Receipt from Licenses amounted to Rs 20,837. From this sum Rs 1176 have been refunded to boat owners after actual test of the capacity of boats, and Rs 261 belong to the following year leaving Rs 19,400 as the net total of the Receipts from Licenses.

R. S.

The Receipts on account of Tolls amounted to Rs 55,508 for the half year ending 31st December - against Rs 36,958 for the previous half year. The total for the year was therefore Rs 92,466. The largest sums were realized in the months of July - August - September & October when the Receipts exceeded Rs 10,000 a month. In November they fell to Rs 3243, and only slightly improved in December. This fall is attributed to the interruption to traffic caused by the freshes of the North East Monsoon, which will in great measure be obviated by the provision of Floodgates.

Salt, Firewood & Shells exhibit the greatest ton mileage - and the value of Food grains bears a high ratio to the total value of Cargo carried.

On the Northern Section of the Canal there were for the half year ending 31st December. 12868 outwards & 4933 inwards passengers, and on the Southern Section 82 outwards and 168 inwards passengers, or a total of 18,051 passengers both ways on the two Sections.

306/13

The results are considered satisfactory on the whole.

3/4

S of W B Canal N
Board of Rev. N1
Rev. Deptt. V8

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ght. of (1881) Madras.

PUBLIC WORKS.

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Encl.

4 april 1881, No. 906 W

Nos. 6-6

ingham Canal

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ar ending 31 Dec/80