Public Works (1896) Department.

G.O., No. 647 & 648

Dated 5-8-96

[Despatch Abstract.]

Traffic on the Navigable Canals: Ordered that the statements of — for 1895-96, be forwarded to the Govt: of India.

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Forwarded.

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P.W. 22.
1,000—23-10-96.

BACK PAPERS.

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

FURTHER PAPERS.

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

No. 647 I., 5TH AUGUST 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

Statements of Traffic on the navigable canals for 1895–96.

[*Statements.*

FORM I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895–96.

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (a) and (b).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (a) to (b) (exports).	Into (b) from (a) (imports).
1	2	3	4	5	6	7	8	9	10
	RS.	RS.	RS.	RS.	RS.	RS.			
							CHILKA LAKE CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured ..	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquor ..	..	..
							8. Metals ..	..	..
							9. Oils ..	..	..
							10. Oil-seeds ..	..	..
							11. Provisions ..	..	..
							12. Salt ..	..	..
							13. Spices ..	..	..
							14. Sugar ..	..	..
							15. Tobacco ..	..	..
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	..	..
							18. Timber ..	..	..
							19. Firewood ..	..	..
							20. Bamboos ..	..	..
							21. Coal and coke ..	..	..
							22. Jute ..	..	..
							23. Treasure ..	..	..
							Total, Boat Traffic ..	..	..
							DUMAGUDEM CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured ..	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquor ..	..	..
							8. Metals ..	..	..
							9. Oils ..	..	..
							10. Oil-seeds ..	..	..
							11. Provisions ..	..	..
							12. Salt ..	..	..
							13. Spices ..	..	..
							14. Sugar ..	..	..
							15. Tobacco ..	..	..
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	..	..
							18. Timber ..	..	..
							19. Firewood ..	..	..
							20. Bamboos ..	..	..
							21. Coal and coke ..	..	..
							22. Jute ..	..	..
							23. Treasure ..	..	..
							Total, Boat Traffic ..	..	..
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26 Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
							28. Scantlings ..	..	..
							29. Poles ..	..	..
							30. Firewood ..	..	..
Tollage and license fees ..	..	..	470	470	..	572	572		
Ground rent ..	..	..	104	104	..	171	171		
Miscellaneous ..	..	..	165	165	..	..	..		

the Navigable Canals for the year 1895–96.

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.
11	12	13	14	15	16	17	18	19	20	21	22
								RS.	RS.		
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
7	..	1,314	4,532	1,321	4,532	10,452	36,253	65,660	1,88,047	..	..
5	..	2	3	7	3	56	24	312	168	..	..
..	..	..	..	..	..	..	4	..	184	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	2	..	..	..	2	..	14	..	240	..	..
..	..	382	202	382	202	3,056	1,612	42,878	23,888	..	..
90	91	..	..	90	91	723	727	8,948	9,936	..	..
77	10	..	..	77	10	620	77	16,854	2,880	..	..
13,175	10,096	..	..	13,175	10,096	85,445	69,981	10,22,185	7,73,230	..	..
..	..	..	..	..	..	..	..	..	..	..	..
8	7	..	..	8	7	63	56	2,496	2,304	..	..
..	..	..	..	..	..	..	..	..	..	..	..
2	4	117	..	119	4	947	28	336	384	..	..
62	61	20	36	82	97	661	776	11,909	12,774	..	..
37	29	9	..	46	29	367	232	645	330	..	..
..	..	190	200	190	200	1,424	1,600	1,068	14,930	..	..
4	21	79	9	83	30	664	241	590	305	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
13,467	10,321	2,113	4,982	15,580	15,303	104,478	111,625	11,73,881	10,29,600	1,628	2,904
6	18	..	..	6	18	12	6	4,600	14,900	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
100	126	17	30	117	156	28	40	7,572	9,717	..	..
76	18	213	226	289	244	444	362	14,625	12,200	..	..
..	..	7	9	7	9	14	18	5,600	7,200	..	..
..	..	..	..	..	..	..	..	..	..	..	..
15	8	..	..	15	8	6	2	1,200	640	..	..
15	8	..	14	15	22	4	4	2,325	3,300	..	..
..	..	110	331	110	331	226	690	5,525	16,550	..	..
44	56	..	..	44	56	50	46	4,600	5,600	..	..
333	352	..	..	333	352	512	558	26,680	28,160	..	..
..	..	..	..	..	..	..	..	..	..	..	..
27	22	..	..	27	22	34	22	1,755	1,494	..	..
1	4	..	..	1	4	..	2	300	1,200	..	..
..	..	..	..	..	..	..	..	..	..	..	..
54	36	343	344	397	380	932	884	19,614	27,414	..	..
..	..	554	233	554	233	1,124	466	44,440	18,640	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
671	648	1,244	1,187	1,915	1,835	3,386	3,100	1,38,836	1,47,015	147	160
..	..	6,327	3,790	6,327	3,790	12,654	7,580	4,74,525	2,84,250	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	2,596	3,314	2,596	3,314	5,192	6,628	1,55,760	1,98,840	..	..
..	..	444	152	444	152	888	304	17,760	6,080	..	..
..	..	..	..	..	..	..	..	..	..	..	..

Form I.—Comparative Return of Traffic carried on

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	DUMAGUDEM CANAL—*cont.*		
							Raft Traffic—cont.		
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	739	739	..	743	743	Grand Total, Boat and Raft Traffic ..	..	..
							GODAVARI CANALS.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
Tollage.							10. Oil-seeds	..	..
							11. Provisions	..	..
Government boats and steamers ..	..	..	..	..	4,922	4,922	12. Salt	..	..
Private passenger and cargo boats.	..	69,410	69,410	..	70,338	70,338	13. Spices	..	..
Rafts	..	14,200	14,300	..	15,392	15,392	14. Sugar	..	..
Miscellaneous ..	..	2,651	2,651	..	12,388	12,388	15. Tobacco	..	..
Fines	..	..	..	..	..	..	16. Building materials ..	..	..
Ground rents ..	..	681	681	..	796	796	17. Miscellaneous goods ..	..	..
							18. Timber	..	..
							19. Firewood	..	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
							Total, Boat Traffic ..	..	..
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26. Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
							28. Scantlings	..	..
							29. Poles	..	..
							30. Firewood	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	87,042	87,042	..	1,03,836	1,03,836	Grand Total, Boat and Raft Traffic ..	..	..
							KISTNA CANALS.		
							Boat Traffic.		
Tollage.							1. Cotton, raw and manufactured	..	..
Private boats ..	..	24,233	24,233	..	19,883	19,883	2. Woollen goods, raw and manufactured ..	..	..
Government boats	..	..	..	..	236	236	3. Dyes and tans ..	..	..
Rafts	..	1,352	1,352	..	1,423	1,423	4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..

the Navigable Canals for the year 1895-96—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	9,367	7,256	9,367	7,256	18,734	14,512	6,48,045	4,89,170	..	..
671	648	10,611	8,443	11,282	9,091	22,120	17,612	7,86,881	6,36,185	147	160
328	539	397	581	725	1,120	..	15,847	6,91,769	6,02,030	..	..
107	71	13	17	120	88	..	1,136	1,88,000	1,82,750	..	..
52	63	39	140	91	203	..	4,642	27,450	71,700	..	..
63,985	37,648	41,820	33,095	105,805	70,743	..	1,985,386	34,10,525	24,11,335	..	..
1,490	2,336	6,955	7,261	8,445	9,597	..	214,235	4,22,525	4,79,946	..	..
96	85	182	104	278	189	..	4,356	2,23,666	1,51,200	..	..
449	422	775	390	1,224	812	..	23,373	4,89,859	3,24,800	..	..
1,078	1,066	490	490	1,568	1,556	..	39,353	5,17,658	2,01,775	..	..
1,764	982	597	1,395	2,361	2,377	..	73,146	3,54,906	3,56,550	..	..
17,800	13,439	23,608	16,859	41,408	30,298	..	853,319	21,00,818	15,14,900	..	..
6,774	9,860	5,994	4,750	12,768	14,610	..	365,110	12,77,148	14,61,000	..	..
4,594	5,266	1,732	1,852	6,326	7,118	..	193,076	5,08,583	5,69,440	..	..
136	176	59	157	195	333	..	5,368	1,94,792	3,33,000	..	..
4,217	4,721	15,169	14,639	19,386	19,360	..	474,614	12,73,690	12,54,022	..	..
1,581	3,343	2,219	3,677	3,800	7,020	..	201,487	11,32,517	21,06,150	..	..
30,349	24,059	50,670	67,005	81,019	91,064	..	2,209,631	94,057	1,28,450	..	..
8,565	8,913	6,090	7,126	14,655	16,039	..	429,208	11,17,978	16,01,398	..	..
322	732	3,570	2,933	3,892	3,665	..	123,821	3,11,823	2,93,200	..	..
3,339	2,739	2,522	1,975	5,861	4,714	..	110,030	35,186	28,281	..	..
338	726	8,620	6,959	8,958	7,685	..	197,665	1,79,235	1,53,700	..	..
228	13	603	426	831	439	..	9,766	9,988	5,268	..	..
1	2	36	16	37	18	..	14	4,440	2,100	..	..
18	16	6	46	24	62	..	648	46,35,438	53,46,100	..	..
147,611	117,217	172,166	171,893	319,777	289,110	..	7,535,231	192,02,051	195,79,095	256,612	241,150
192	718	16,032	11,244	16,224	11,962	..	244,319	12,16,875	8,97,150	..	..
479	788	12,951	8,963	13,430	9,751	..	175,975	10,74,540	7,80,100	..	..
..	126	..	14	..	140	..	1,885	..	22,400	..	..
..	..	103	85	103	85	..	595	15,450	12,750	..	..
15	51	2,344	1,934	2,359	1,985	..	14,618	1,41,540	1,19,130	..	..
547	415	6,705	7,173	7,252	7,588	..	169,034	2,90,080	3,03,520	..	..
1	5	13	113	14	118	..	816	84	708	..	..
638	596	54,963	37,561	55,596	38,157	..	3,550,814	11,11,934	7,63,140	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1,867	2,699	93,111	67,087	94,978	69,786	..	4,158,056	38,50,503	28,98,898	..	..
149,478	119,916	265,277	238,980	414,755	358,896	11,967,929	11,693,287	2,30,52,554	224,77,993	256,612	241,150
849	956	497	1,197	1,346	2,153	96,600	155,991	9,26,140	13,12,220	..	..
11	8	12	4	23	12	777	1,031	34,500	26,325	..	..
458	608	590	818	1,048	1,426	63,034	79,027	3,14,400	4,27,800	..	..
29,824	41,031	37,261	38,180	67,085	79,201	3,732,386	4,944,911	22,23,915	26,66,060	..	..
6,523	3,783	4,577	4,239	11,100	8,022	613,203	385,405	5,55,000	4,03,100	..	..
16	30	11	19	27	49	1,591	1,843	36,000	39,200	..	..
200	172	182	211	382	383	16,715	18,588	1,52,933	1,53,200	..	..
1,761	2,292	1,037	1,572	2,798	3,864	178,153	245,768	5,59,723	7,72,800	..	..

Form I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895–96—*cont.*

—	Demands. Balance from last year.	Demands. For current year.	Collections during the current year.	Balance uncollected.	Previous year. Demands.	Previous year. Collections.	Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*). Tonnage. From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
							KISTNA CANALS—*cont.*		
							Boat Traffic—cont.		
							9. Oils	..	..
							10. Oil-seeds	..	..
							11. Provisions	..	..
							12. Salt	..	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	..	..
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	..	..
							18. Timber	..	..
							19. Firewood	..	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
License fees.							Total, Boat Traffic ..	..	..
Private passenger boats ..	..	1,102	1,102	..	1,206	1,206			
Private cargo boats ..	..	4,813	4,813	..	3,894	3,894			
Government boats and steamers ..	..	..	..	..	5,252	5,252			
Numbering fees.	..	107	107	..	111	111			
Private steamers.	..	..	..	..	172	172			
Ground rent ..	752	926	1,039	639	3,153	2,471			
Fines ..	..	92	92	..	32	32			
Miscellaneous ..	..	4,798	4,798	..	3,156	3,156			
Refunds ..	..	— 814	— 814	..	— 614	— 614			
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26. Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
							28. Scantlings	..	..
							29. Poles	..	..
							30. Firewood	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
	752	36,609	36,722	639	37,904	37,222	Total, Raft Traffic ..	..	..
							Grand Total, Boat and Raft Traffic	..	..
							BUCKINGHAM CANAL.		
							Boat Traffic.		
Tollage.							1. Cotton, raw and manufactured	..	..
Private boats ..	..	41,056	41,056	..	40,861	40,861	2. Woollen goods, raw and manufactured ..	..	..
Government boats	..	..	..	..	..	..	3. Dyes and tans ..	..	..
Raft	..	123	123	..	110	110	4. Paddy and rice ..	..	..
Ground rent ..	..	..	..	..	..	..	5. Other food-grains ..	..	..
Miscellaneous ..	..	..	..	..	..	..	6. Hides and skins ..	..	..
License fees.							7. Liquors	..	..
Government boats and steamers ..	..	..	..	..	531	531	8. Metals	..	..
Private passenger boats ..	..	46,730	46,730	..	47,099	47,099	9. Oils	..	..
Private cargo boats ..	..	16,170	16,170	..	16,675	16,675	10. Oil-seeds	..	..
Private steamers (steam boats).	..	130	130	..	40	40	11 Provisions	..	..
Ground rent ..	..	1,400	1,400	..	745	745	12. Salt	..	..
Rent of boats ..	..	1,036	1,036	..	1,755	1,755	13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	..	..
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	..	..
							18. Timber	..	..
							19. Firewood	..	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
							Total, Boat Traffic ..	..	..

the Navigable Canals for the year 1895–96—*cont.*

Up traffic. 1894–95.	Up traffic. 1895–96.	Down traffic. 1894–95.	Down traffic. 1895–96.	Total tonnage both ways. 1894–95.	Total tonnage both ways. 1895–96.	Ton mileage. 1894–95.	Ton mileage. 1895–96.	Value of goods. 1894–95.	Value of goods. 1895–96.	Number of passengers. 1894–95.	Number of passengers. 1895–96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
2,865	2,441	1,978	2,067	4,843	4,508	318,260	285,975	7,26,375	6,75,750	..	..
242	539	15,076	18,963	15,318	19,502	545,551	722,614	7,65,900	9,75,100	..	..
6,119	5,979	3,643	4,973	9,762	10,952	425,801	579,006	9,76,200	10,95,200	..	..
13,955	15,529	2,375	1,994	16,330	17,523	978,143	1,114,000	13,06,400	14,01,840	..	..
16	15	1	7	17	22	1,963	2,319	16,200	22,600	..	..
2,632	1,568	633	738	3,265	2,306	136,743	95,621	3,19,800	1,55,987	..	..
398	586	1,900	3,531	2,298	4,117	99,662	143,923	6,89,400	12,35,100	..	..
4,709	4,638	38,993	53,159	43,702	57,797	1,906,881	2,479,876	1,31,106	1,73,391	..	..
2,965	4,596	4,095	5,229	7,060	9,825	383,718	586,883	10,59,000	13,97,615	..	..
2,546	2,647	1,659	1,754	4,205	4,401	195,377	205,417	3,36,400	3,52,080	..	..
4,904	4,964	812	369	5,716	5,333	228,691	194,151	34,296	38,676	..	..
4,113	5,189	1,297	1,631	5,410	6,820	202,141	266,811	1,08,213	1,34,687	..	..
1,107	894	22,912	33,423	24,019	34,317	1,934,713	2,724,738	2,88,228	4,07,527	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1	16	305	8	306	24	90,269	936	27,736	20,26,250	..	..
86,214	98,471	139,846	174,086	226,060	272,557	12,145,372	15,234,834	115,87,865	158,92,508	117,337	123,212
1,231	1,473	989	1,829	2,220	3,302	141,220	145,181	1,66,500	2,47,600	..	..
327	327	514	390	841	717	31,462	38,449	67,280	56,560	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	3	..	3	..	225	..	180	..	..
..	..	38	..	..	38	..	1,140	..	1,520	..	..
..	..	..	..	..	..	..	..	..	..	..	..
5,702	1,545	1,997	2,303	7,699	3,848	265,261	190,394	1,53,980	76,960	..	..
..	..	..	..	..	..	..	..	..	..	..	..
7,260	3,383	3,503	4,522	10,763	7,905	438,168	375,164	3,87,940	3,82,640	..	..
93,474	101,854	143,349	178,608	236,823	280,462	12,583,540	15,609,998	119,75,805	162,75,148	117,337	123,212
722	2,052	1,904	2,853	2,626	4,905	482,068	907,375	31,39,720	50,17,530	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	30	..	30	..	3,474	..	9,000	..	..
50,202	53,670	75	87	50,277	53,757	7,824,901	8,041,740	18,16,030	19,10,490	..	..
2,873	1,865	167	138	3,040	2,003	558,164	357,299	1,52,000	1,00,150	..	..
17	35	1	..	18	35	2,055	4,092	14,400	28,000	..	..
..	..	107	181	107	181	19,802	32,656	42,800	72,400	..	..
64	147	2,795	3,683	2,859	3,830	511,084	649,690	5,71,800	7,66,000	..	..
17	75	4,408	4,109	4,425	4,184	791,355	764,043	6,63,750	6,27,600	..	..
484	3,190	4	..	488	3,190	80,557	603,170	24,400	1,59,500	..	..
13,837	13,864	808	1,557	14,645	15,421	2,072,424	2,210,936	14,64,500	15,42,100	..	..
51,795	98,341	..	6	51,795	98,347	879,227	1,563,348	41,43,600	78,67,760	..	..
..	..	..	..	..	..	..	..	..	..	..	..
470	339	49	126	519	465	48,912	49,376	40,080	47,235	..	..
87	96	5	28	92	124	16,243	20,431	27,600	37,200	..	..
21,271	24,336	1,589	3,813	22,860	28,149	705,339	854,007	68,580	84,447	..	..
7,425	7,767	5,376	5,416	12,801	13,183	1,712,550	1,594,211	47,34,472	64,84,082	..	..
43	135	1,458	2,754	1,501	2,889	165,017	321,235	1,18,960	2,25,720	..	..
80,467	73,593	..	10	80,467	73,603	4,987,750	5,153,441	4,82,802	4,41,618	..	..
..	..	57	88	57	88	2,061	8,900	1,140	1,760	..	..
26,245	26,847	..	11	26,245	26,858	5,116,468	5,226,452	3,14,940	3,22,296	..	..
..	55	..	..	..	55	..	9,568	..	6,600	..	..
..	..	..	1	..	1	..	23	..	8,000	..	..
256,019	306,407	18,803	24,891	274,822	331,298	25,975,977	28,375,4	 1	257,59,488	93,825	101,262

Form I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895–96—*cont.*

—	Demands. Balance from last year.	Demands. For current year.	Collections during the current year.	Balance uncollected.	Previous year. Demands.	Previous year. Collections.	Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*). Tonnage. From (*a*) to (*b*) (exports).	Tonnage. Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	BUCKINGHAM CANAL—*cont.*		
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26. Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
Fees for numbering boats.	..	96	96	..	..	..	28. Scantlings	..	..
Miscellaneous ..	..	1,641	1,641	.	1,683	1,683	29. Poles	..	..
							30. Firewood	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	1,08,382	1,08,382	..	1,09,499	1,09,499	Grand Total, Boat and Raft Traffic	..	..
							KURNOOL-CUDDAPAH CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
							10. Oil-seeds	..	..
Rent of boats ..	..	1,302	1,302	..	1,457	1,457	11. Provisions	..	..
							12. Salt	..	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	..	..
							10. Building materials ..	..	..
							17. Miscellaneous goods..	..	..
							18. Timber	..	..
							19. Fuel	..	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
	..	1,302	1,302	..	1,457	1,457	Total, Boat Traffic ..	..	..
							VEDARANNIYAM CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	800	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
							10. Oil-seeds	..	..
Private boats ..	..	1,136	1,136	..	1,134	1,134	11. Provisions	..	..
							12. Salt	7,334	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	495	..

the Navigable Canals for the year 1895–96—*cont.*

Up traffic. 1894–95.	Up traffic. 1895–96.	Down traffic. 1894–95.	Down traffic. 1895–96.	Total tonnage both ways. 1894–95.	Total tonnage both ways. 1895–96.	Ton mileage. 1894–95.	Ton mileage. 1895–96.	Value of goods. 1894–95.	Value of goods. 1895–96.	Number of passengers. 1894–95.	Number of passengers. 1895–96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	4	..	4	..	..	..	300	..	..
..	..	396	466	396	466	..	..	31,680	37,280	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	3	..	3	..	..	..	120	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	399	470	399	470	..	..	31,800	37,580	..	..
256,019	306,407	19,202	25,361	275,221	331,768	25,975,977	28,375,467	178,53,374	257,97,068	93,825	101,262
4	..	149	351	153	351	44,043	29,250	73,742	1,37,740	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
13	5	92	..	105	5	2,114	392	10,222	310	..	..
120	75	373	89	493	164	29,864	13,918	27,742	14,849	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
141	41	23	203	164	244	15,013	26,768	15,673	24,180	..	..
..	..	..	..	..	..	..	..	..	..	..	..
131	51	..	..	131	51	10,557	3,598	11,802	5,130	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
74	211	..	91	74	302	5,724	31,007	4,238	28,683	..	..
250	54	572	363	822	417	43,260	38,259	94,848	1,36,331	..	..
6	38	4	..	10	38	780	2,880	783	3,270	..	..
..	27	..	118	..	145	..	1,856	..	870	..	..
..	10	..	..	..	10	..	710	..	200	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
739	512	1,213	1,215	1,952	1,727	151,355	148,638	2,39,050	3,51,563	32	33
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1,000	800	..	..	1,000	800	30,000	24,000	1,48,225	1,28,452	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
6,931	7,334	..	..	6,931	7,334	207,930	2,20,020	4,55,000	5,25,452	..	..
..	..	..	..	..	..	..	..	..	..	..	..
500	495	..	..	500	495	15,000	14,850	34,110	34,046	..	..

Form I.—Comparative Return of Traffic carried on

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
							VEDARANNIYAM CANAL—*cont.*		
							Boat Traffic—cont.		
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	210	..
							18. Timber	..	..
							19. Firewood	130	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
							24 Cowdung	202	..
							25. Fish	199	..
	..	1,136	1,136	..	1,134	1,134	Total, Boat Traffic ..	9,370	..

the Navigable Canals for the year 1895–96—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	..	..	..	..	..	..	..	..	..
170	210	..	..	170	210	5,100	6,000	9,000	10,000	..	..
..	..	..	..	..	..	..	..	..	..	..	..
127	130	..	..	127	130	3,810	3,900	9,000	9,030	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
200	202	..	..	200	202	6,000	6,060	8,250	8,260	..	..
200	199	..	..	200	199	6,000	5,970	19,640	19,600	..	..
9,128	9,370	..	..	9,128	9,370	273,840	280,800	6,83,225	7,34,840	..	..

FORM II.—For all the Navigable Canals of the Madras Presidency.

SUMMARY of Comparative Returns of Traffic on the Chilka Lake, Dumagudem, Gódávari, Kistna, Buckingham, Kurnool-Cuddapah and Védáranniyam Canals for the year 1895–96.

Canals.	Demands.		Collections.		Total tonnage up and down.		Ton mileage.		Value of goods.		Number of passengers.	
	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.
1	2	3	4	5	6	7	8	9	10	11	12	13
	RS.	RS.	RS.	RS.					RS.	RS.		
Chilka Lake canal	..	..	..	..	15,580	15,303	104,478	111,625	11,73,881	10,29,600	1,628	2,904
Dumagudem canal	743	739	743	739	11,282	9,091	22,120	17,612	7,86,881	6,36,185	147	160
Gódávari canals	1,03,836	87,042	1,03,836	87,042	414,755	358,896	11,967,929	11,693,287	230,52,554	224,77,993	256,612	241,150
Kistna canals	37,904	37,361	37,222	36,722	236,823	280,462	12,583,540	15,609,998	119,75,805	162,75,148	117,337	123,212
Buckingham canal	1,09,499	1,08,382	1,09,499	1,08,382	275,221	331,768	25,975,977	28,375,467	178,53,374	257,97,068	93,825	101,262
Kurnool-Cuddapah canal	(a) 1,457	1,302	(a) 1,457	1,302	1,952	1,727	151,355	148,638	2,39,050	3,51,563	32	33
Védáranniyam canal	1,134	1,136	1,134	1,136	9,128	9,370	273,840	280,800	6,83,225	7,34,840	..	..
Total ..	2,54,573	2,35,962	2,53,891	2,35,323	964,741	1,006,617	51,079,239	56,287,427	557,64,770	673,02,397	469,581	468,721

Note.—The "tonnage" and "value of goods" are merely approximations and the latter, especially, is a somewhat rough one, as the nature and quantity of goods carried are in most cases arrived at solely from the statements of the boat syrangs who rarely have any "manifests."

(*a*) Revised figures.

23rd July 1896.

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Chief Engineer for Irrigation.

Office-note to the Examiner, Public Works Accounts, dated 10th July 1896, No. 241.
" from the " " 17th " " " 2056 D./B.

ORDER—No. 647 I., dated 5th August 1896.

Ordered that the above statements be forwarded to the Government of India with reference to its letter No. 58 I., dated 15th April 1891, printed in Proceedings of Madras Government, No. 441 I., dated 28rd May 1891.

[Here enter No. 648 I., dated 5th August 1896.]

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineers, I, II, III and V Circles.
" the Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.
Spare Copies

IRRIGATION.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated August, 5th.

Recd. *Encl.*

G.O. No. 647 I., 5th Aug. 1896.

AUGUST.

Traffic on the Navigable Canals

Ordered that the statements of — for 1895–96 be forwarded to the Government of India.

No. 647 I., 5TH AUGUST 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

Statements of Traffic on the navigable canals for 1895–96.

[*Statements.*

FORM I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895–96.

Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).		Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
Balance from last year.	For current year.			Demands.	Collections.		Tonnage.													
							From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
RS.	RS.	RS.	RS.	RS.	RS.													RS.	RS.		
						CHILKA LAKE CANAL.															
						Boat Traffic.															
						1. Cotton, raw and manufactured	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						2. Woollen goods, raw and manufactured..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						3. Dyes and tans ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						4. Paddy and rice ..	..	..	7	..	1,314	4,532	1,321	4,532	10,452	36,253	65,660	1,88,047	..	..	..	..
						5. Other food-grains ..	..	..	5	..	2	3	7	3	56	24	312	168	..	..	..	..
						6. Hides and skins ..	..	..	..	..	..	..	..	..	..	4	..	184	..	..	..	..
						7. Liquor	..	..	..	..	..	..	..	..	..	14	..	240	..	..	..	..
						8. Metals	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
						9. Oils	..	..	382	202	382	202	382	202	3,056	1,612	42,878	23,888	..	..	..	..
						10. Oil-seeds	..	..	..	..	90	91	90	91	723	727	8,948	9,936	..	..	..	..
						11. Provisions	..	..	..	..	77	10	77	10	620	77	16,854	2,880	..	..	..	..
						12. Salt	..	..	..	..	13,175	10,096	13,175	10,096	85,445	69,981	10,22,185	7,73,230	..	..	..	..
						13. Spices	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						14. Sugar	..	..	..	..	8	7	8	7	63	56	2,496	2,304	..	..	..	..
						15. Tobacco	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						16. Building materials ..	..	..	117	..	2	4	119	4	947	28	336	384	..	..	..	..
						17. Miscellaneous goods ..	..	..	20	36	62	61	82	97	661	776	11,909	12,774	..	..	..	..
						18. Timber	..	..	9	..	37	29	46	29	367	232	645	330	..	..	..	..
						19. Firewood	..	..	190	200	190	200	190	200	1,424	1,600	1,068	14,930	..	..	..	..
						20. Bamboos	..	..	..	..	4	21	83	30	664	241	590	305	..	..	..	..
						21. Coal and coke ..	..	..	79	9	..	..	..	..	..	..	..	..	..	..	..	..
						22. Jute	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						23. Treasure	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						.. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						Total, Boat Traffic ..	..	..	13,467	10,321	2,113	4,982	15,580	15,303	104,478	111,625	11,73,881	10,29,600	1,628	2,904
						DUMAGUDEM CANAL.															
						Boat Traffic.															
						1. Cotton, raw and manufactured ..	..	..	6	18	..	..	6	18	12	6	4,600	14,900	..	..	..	..
						2. Woollen goods, raw and manufactured..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						3. Dyes and tans ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						4. Paddy and rice ..	..	..	100	126	17	30	117	156	28	40	7,572	9,717	..	..	..	..
						5. Other food-grains ..	..	..	76	18	213	226	289	244	444	362	14,625	12,200	..	..	..	..
						6. Hides and skins ..	..	..	..	..	7	9	7	9	14	18	5,600	7,200	..	..	..	..
						7. Liquor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						8. Metals	..	..	15	8	..	..	15	8	6	2	1,200	640	..	..	..	..
						9. Oils	..	..	15	8	..	14	15	22	4	4	2,325	3,300	..	..	..	..
						10. Oil-seeds	..	..	..	..	110	331	110	331	226	690	5,525	16,550	..	..	..	..
						11. Provisions	..	..	44	56	..	..	44	56	50	46	4,600	5,600	..	..	..	..
						12. Salt	..	..	333	352	..	..	333	352	512	558	26,680	28,160	..	..	..	..
						13. Spices	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						14. Sugar	..	..	27	22	..	..	27	22	34	22	1,755	1,494	..	..	..	..
						15. Tobacco	..	..	1	4	..	..	1	4	..	2	300	1,200	..	..	..	..
						16. Building materials ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						17. Miscellaneous goods..	..	..	54	36	343	344	397	380	932	884	19,614	27,414	..	..	..	..
						18. Timber	..	..	..	..	554	233	554	233	1,124	466	44,440	18,640	..	..	..	..
						19. Firewood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						20. Bamboos	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						21. Coal and coke ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						22. Jute	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						23. Treasure	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						.. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						Total, Boat Traffic ..	..	..	671	648	1,244	1,187	1,915	1,835	3,386	3,100	1,38,836	1,47,015	147	160
						Raft Traffic.															
						24. Timber in logs ..	..	..	..	..	6,327	3,790	6,327	3,790	12,654	7,580	4,74,525	2,84,250	..	..	..	..
						25. Squared timber ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						26 Sleepers, broad gauge.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						27. Do. metre do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
						28. Scantlings	..	..	2,596	3,314	2,596	3,314	5,192	6,628	1,55,760	1,98,840	..	..	..	..
						29. Poles	..	..	444	152	444	152	888	304	17,760	6,080	..	..	..	..
						30. Firewood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tollage and license fees ..	..	470	470	..	572	572														
Ground rent ..	..	104	104	..	171	171														
Miscellaneous ..	..	165	165	..	..	..														

Form I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895-96—*cont.*

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	DUMAGUDEM CANAL—*cont.*		
							Raft Traffic—cont.		
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	739	739	..	743	743	Grand Total, Boat and Raft Traffic ..	..	..
							GODAVARI CANALS.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
							10. Oil-seeds	..	..
Tollage.							11. Provisions	..	..
							12. Salt	..	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	..	..
Government boats and steamers ..	..	..	..	..	4,922	4,922	16. Building materials ..	..	..
Private passenger and cargo boats.	..	69,410	69,410	..	70,338	70,338	17. Miscellaneous goods ..	..	..
Rafts	..	14,300	14,300	..	15,392	15,392	18. Timber	..	..
Miscellaneous ..	..	2,651	2,651	..	12,388	12,388	19. Firewood	..	..
Fines	..	..	..	..	..	..	20. Bamboos	..	..
Ground rents ..	..	681	681	..	796	796	21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
							Total, Boat Traffic ..	..	..
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26. Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
							28. Scantlings	..	..
							29. Poles	..	..
							30. Firewood	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	87,042	87,042	..	1,03,836	1,03,836	Grand Total, Boat and Raft Traffic ..	..	..
							KISTNA CANALS.		
							Boat Traffic.		
Tollage.									
							1. Cotton, raw and manufactured	..	..
Private boats ..	..	24,233	24,233	..	19,883	19,883	2. Woollen goods, raw and manufactured ..	..	..
Government boats ..	..	..	..	..	236	236	3. Dyes and tans ..	..	..
Rafts	..	1,352	1,352	..	1,423	1,423	4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..

the Navigable Canals for the year 1895-96—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	9,367	7,256	9,367	7,256	18,734	14,512	6,48,045	4,89,170	..	..
671	648	10,611	8,443	11,282	9,091	22,120	17,612	7,86,881	6,36,185	147	160
328	539	397	581	725	1,120	..	15,847	6,91,769	6,02,030	..	..
107	71	13	17	120	88	..	1,136	1,88,000	1,82,750	..	..
52	63	39	140	91	203	..	4,642	27,450	71,700	..	..
63,985	37,648	41,820	33,095	105,805	70,743	..	1,985,386	34,10,525	24,11,335	..	..
1,490	2,336	6,955	7,261	8,445	9,597	..	214,235	4,22,525	4,79,946	..	..
96	85	182	104	278	189	..	4,356	2,23,666	1,51,200	..	..
449	422	775	390	1,224	812	..	23,373	4,89,859	3,24,800	..	..
1,078	1,066	490	490	1,568	1,556	..	39,353	5,17,658	2,01,775	..	..
1,764	982	597	1,395	2,361	2,377	..	73,146	3,54,906	3,56,550	..	..
17,800	13,439	23,608	16,859	41,408	30,298	..	853,319	21,00,818	15,14,900	..	..
6,774	9,860	5,994	4,750	12,768	14,610	..	365,110	12,77,148	14,61,000	..	..
4,594	5,266	1,732	1,852	6,326	7,118	..	193,076	5,08,583	5,69,440	..	..
136	176	59	157	195	333	..	5,368	1,94,792	3,33,000	..	..
4,217	4,721	15,169	14,639	19,386	19,360	..	474,614	12,73,690	12,54,022	..	..
1,581	3,343	2,219	3,677	3,800	7,020	..	201,487	11,32,517	21,06,150	..	..
30,349	24,059	50,670	67,005	81,019	91,064	..	2,209,631	94,057	1,28,450	..	..
8,565	8,913	6,090	7,126	14,655	16,039	..	429,208	11,17,978	16,01,398	..	..
322	732	3,570	2,933	3,892	3,665	..	123,821	3,11,823	2,93,200	..	..
3,339	2,739	2,522	1,975	5,861	4,714	..	110,030	35,186	28,281	..	..
338	726	8,620	6,959	8,958	7,685	..	197,665	1,79,235	1,53,700	..	..
228	13	603	426	831	439	..	9,766	9,988	5,268	..	..
1	2	36	16	37	18	..	14	4,440	2,100	..	..
18	16	6	46	24	62	..	648	46,35,438	53,46,100	..	..
147,611	117,217	172,166	171,893	319,777	289,110	..	7,535,231	192,02,051	195,79,095	256,612	241,150
192	718	16,632	11,244	16,224	11,962	..	244,319	12,16,875	8,97,150	..	..
479	788	12,951	8,963	13,430	9,751	..	175,975	10,74,540	7,80,100	..	..
..	126	..	14	..	140	..	1,885	..	22,400	..	..
..	..	103	85	103	85	..	595	15,450	12,750	..	..
15	51	2,344	1,934	2,359	1,985	..	14,618	1,41,540	1,19,130	..	..
547	415	6,705	7,173	7,252	7,588	..	169,034	2,90,080	3,03,520	..	..
1	5	13	113	14	118	..	816	84	708	..	..
638	596	54,963	37,561	55,596	38,157	..	3,550,814	11,11,934	7,63,140	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1,867	2,699	93,111	67,087	94,978	69,786	..	4,158,056	38,50,503	28,98,898	..	..
149,478	119,916	265,277	238,980	414,755	358,896	11,967,929	11,693,287	2,30,52,554	224,77,993	256,612	241,150
849	956	497	1,197	1,346	2,153	96,600	155,991	9,26,140	13,12,220	..	..
11	8	12	4	23	12	777	1,031	34,500	26,325	..	..
458	608	590	818	1,048	1,426	63,034	79,027	3,14,400	4,27,800	..	..
29,824	41,021	37,261	38,180	67,085	79,201	3,732,386	4,944,911	22,23,915	26,66,060	..	..
6,523	3,783	4,577	4,239	11,100	8,022	613,203	385,405	5,55,000	4,03,100	..	..
16	30	11	19	27	49	1,591	1,843	36,000	39,200	..	..
200	172	182	211	382	383	16,715	18,588	1,52,933	1,53,200	..	..
1,761	2,292	1,037	1,572	2,798	3,864	178,153	245,768	5,59,723	7,72,800	..	..

Form I.—Comparative Return of Traffic carried on the Navigable Canals for the year 1895-96—*cont.*

—	Demands. Balance from last year.	Demands. For current year.	Collections during the current year.	Balance uncollected.	Previous year. Demands.	Previous year. Collections.	Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*). Tonnage. From (*a*) to (*b*) (exports).	Tonnage. Into (*b*) from (*a*) (imports).	Up traffic. 1894-95.	Up traffic. 1895-96.	Down traffic. 1894-95.	Down traffic. 1895-96.	Total tonnage both ways. 1894-95.	Total tonnage both ways. 1895-96.	Ton mileage. 1894-95.	Ton mileage. 1895-96.	Value of goods. 1894-95.	Value of goods. 1895-96.	Number of passengers. 1894-95.	Number of passengers. 1895-96.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.												Rs.	Rs.		
							KISTNA CANALS—*cont.*														
							Boat Traffic—cont.														
							9. Oils														
							10. Oil-seeds	..	..	2,865	2,441	1,978	2,067	4,843	4,508	318,260	285,975	7,26,375	6,75,750	..	..
							11. Provisions	..	..	242	539	15,076	18,963	15,318	19,502	545,551	722,614	7,65,900	9,75,100	..	..
							12. Salt	..	..	6,119	5,979	3,643	4,973	9,762	10,952	425,801	579,006	9,76,200	10,95,200	..	..
							13. Spices	..	..	13,955	15,529	2,375	1,994	16,330	17,523	973,143	1,114,000	13,06,400	14,01,840	..	..
							14. Sugar	..	..	16	15	1	7	17	22	1,963	2,319	16,200	22,600	..	..
							15. Tobacco	..	..	2,632	1,568	633	738	3,265	2,306	136,743	95,621	3,19,800	1,55,987	..	..
							16. Building materials ..	..	..	398	586	1,900	3,531	2,298	4,117	99,662	143,923	6,89,400	12,35,100	..	..
							17. Miscellaneous goods ..	..	..	4,709	4,638	38,993	53,159	43,702	57,797	1,906,881	2,479,876	1,31,106	1,73,391	..	..
							18. Timber	..	..	2,965	4,596	4,095	5,229	7,060	9,825	383,718	586,883	10,59,000	13,97,615	..	..
							19. Firewood	..	..	2,546	2,647	1,659	1,754	4,205	4,401	195,377	205,417	3,36,400	3,52,080	..	..
							20. Bamboos	..	..	4,904	4,964	812	369	5,716	5,333	228,691	194,151	34,296	38,676	..	..
							21. Coal and coke ..	..	..	4,113	5,189	1,297	1,631	5,410	6,820	202,141	266,811	1,08,218	1,34,687	..	..
							22. Jute	..	..	1,107	894	22,912	33,423	24,019	34,317	1,934,713	2,724,738	2,88,228	4,07,527	..	..
							23. Treasure	..	..	..	..	..	..	..	..	..	..	..	..	..	..
License fees.							Total, Boat Traffic ..	..	..	1	16	305	8	306	24	90,269	936	27,736	20,26,250	..	..
Private passenger boats ..	..	1,102	1,102	..	1,206	1,206				86,214	98,471	139,846	174,086	226,060	272,557	12,145,372	15,234,834	115,87,865	158,92,508	117,337	123,212
Private cargo boats ..	..	4,813	4,813	..	3,894	3,894															
Government boats and steamers..	..	..	..	..	5,252	5,252	*Raft Traffic.*														
Numbering fees.	..	107	107	..	111	111															
Private steamers.	..	..	..	..	172	172	24. Timber in logs ..	..	..	1,231	1,473	989	1,829	2,220	3,302	141,220	145,181	1,66,500	2,47,600	..	..
Ground rent ..	752	926	1,039	639	3,153	2,471	25. Squared timber ..	..	..	327	327	514	390	841	717	31,462	38,449	67,280	56,560	..	..
Fines	..	92	92	..	32	32	26. Sleepers, broad gauge.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	4,798	4,798	..	3,156	3,156	27. Do. metre do.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Refunds ..	..	— 814	— 814	..	— 614	— 614	28. Scantlings	..	..	..	..	3	..	3	..	225	..	180	..	..	..
							29. Poles	..	..	..	..	..	..	..	38	..	1,140	..	1,520	..	..
							30. Firewood	..	..	..	38	..	..	..	..	..	..	..	..	..	..
							31. Bamboos	..	..	..	..	..	..	..	..	..	..	..	..	..	..
							32. Reeds	..	..	5,702	1,545	1,997	2,303	7,699	3,848	265,261	190,394	1,53,980	76,960	..	..
							Total, Raft Traffic ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	752	36,609	36,722	639	37,904	37,222	Grand Total, Boat and Raft Traffic	..	..	7,260	3,383	3,503	4,522	10,763	7,905	438,168	375,164	3,87,940	3,82,640	..	..
							BUCKINGHAM CANAL.			93,474	101,854	143,349	178,608	236,823	280,462	12,583,540	15,609,998	119,75,805	162,75,148	117,337	123,212
							Boat Traffic.														
							1. Cotton, raw and manufactured	..	..												
Tollage.							2. Woollen goods, raw and manufactured ..	..	..	722	2,052	1,904	2,853	2,626	4,905	482,068	907,375	31,39,720	50,17,530	..	..
Private boats ..	..	41,056	41,056	..	40,861	40,861	3. Dyes and tans ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Government boats	..	..	..	..	..	..	4. Paddy and rice ..	..	..	..	..	..	30	..	30	..	3,474	..	9,000	..	..
Raft	..	123	123	..	110	110	5. Other food-grains ..	..	..	50,202	53,670	75	87	50,277	53,757	7,824,901	8,041,740	18,16,030	19,10,490	..	..
Ground rent ..	..	..	..	..	..	..	6. Hides and skins ..	..	..	2,873	1,865	167	138	3,040	2,003	558,164	357,299	1,52,000	1,00,150	..	..
Miscellaneous ..	..	..	..	..	..	..	7. Liquors	..	..	17	35	1	..	18	35	2,055	4,092	14,400	28,000	..	..
License fees.							8. Metals	..	..	..	..	107	181	107	181	19,802	32,656	42,800	72,400	..	..
							9. Oils	..	..	64	147	2,795	3,683	2,859	3,830	511,084	649,690	5,71,800	7,66,000	..	..
Government boats							10. Oil-seeds	..	..	17	75	4,408	4,109	4,425	4,184	791,355	764,043	6,63,750	6,27,600	..	..
and steamers..	..	..	..	..	531	531	11 Provisions	..	..	484	3,190	4	..	488	3,190	80,557	603,170	24,400	1,59,500	..	..
Private passenger boats ..	..	46,730	46,730	..	47,099	47,099	12. Salt	..	..	13,837	13,864	808	1,557	14,645	15,421	2,072,424	2,210,936	14,64,500	15,42,100	..	..
Private cargo boats ..	..	16,170	16,170	..	16,675	16,675	13. Spices	..	..	51,795	98,341	..	6	51,795	98,347	879,227	1,563,348	41,43,600	78,67,760	..	..
Private steamers							14. Sugar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(steam boats).	..	130	130	..	40	40	15. Tobacco	..	..	470	339	49	126	519	465	48,912	49,376	40,080	47,235	..	..
Ground rent ..	..	1,400	1,400	..	745	745	16. Building materials ..	..	..	87	96	5	28	92	124	16,243	20,431	27,600	37,200	..	..
Rent of boats ..	..	1,036	1,036	..	1,755	1,755	17. Miscellaneous goods ..	..	..	21,271	24,336	1,589	3,813	22,860	28,149	705,339	854,007	68,580	84,447	..	..
							18. Timber	..	..	7,425	7,767	5,376	5,416	12,801	13,183	1,712,550	1,594,211	47,34,472	64,84,082	..	..
							19. Firewood	..	..	43	135	1,458	2,754	1,501	2,889	165,017	321,235	1,18,960	2,25,720	..	..
							20. Bamboos	..	..	80,467	73,593	..	10	80,467	73,603	4,987,750	5,153,441	4,82,802	4,41,618	..	..
							21. Coal and coke ..	..	..	..	..	57	88	57	88	2,061	8,900	1,140	1,760	..	..
							22. Jute	..	..	26,245	26,847	..	11	26,245	26,858	5,116,468	5,226,452	3,14,940	3,22,296	..	..
							23. Treasure	..	..	..	55	..	..	..	55	..	9,568	..	6,600	..	..
							Total, Boat Traffic ..	..	..	..	..	..	1	..	1	..	23	..	8,000	..	..
										256,019	306,407	18,803	24,891	274,822	331,298	25,975,977	28,375,467	178,21,574	257,59,488	93,825	101,262

Form I.—Comparative Return of Traffic carried on

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
							BUCKINGHAM CANAL—*cont.*		
							Raft Traffic.		
							24. Timber in logs ..	..	..
							25. Squared timber ..	..	..
							26. Sleepers, broad gauge.	..	..
							27. Do. metre do.	..	..
Fees for numbering boats.	..	96	96	..	..	..	28. Scantlings	..	..
Miscellaneous ..	..	1,641	1,641	.	1,683	1,683	29. Poles	..	..
							30. Firewood	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
	..	1,08,382	1,08,382	..	1,09,499	1,09,499	Grand Total, Boat and Raft Traffic	..	..
							KURNOOL-CUDDAPAH CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	..	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
Rent of boats ..	..	1,302	1,302	..	1,457	1,457	10. Oil-seeds	..	..
							11. Provisions	..	..
							12. Salt	..	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	..	..
							10. Building materials ..	..	..
							17. Miscellaneous goods..	..	..
							18. Timber	..	..
							19. Fuel	..	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
	..	1,302	1,302	..	1,457	1,457	Total, Boat Traffic ..	..	..
							VEDARANNIYAM CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manufactured	..	..
							2. Woollen goods, raw and manufactured ..	..	..
							3. Dyes and tans ..	..	..
							4. Paddy and rice ..	800	..
							5. Other food-grains ..	..	..
							6. Hides and skins ..	..	..
							7. Liquors	..	..
							8. Metals	..	..
							9. Oils	..	..
Private boats ..	..	1,136	1,136	..	1,134	1,134	10. Oil-seeds	..	..
							11. Provisions	..	..
							12. Salt	7,334	..
							13. Spices	..	..
							14. Sugar	..	..
							15. Tobacco	495	..

the Navigable Canals for the year 1895–96—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.	1894–95.	1895–96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	4	..	4	..	..	..	300	..	..
..	..	396	466	396	466	..	..	31,680	37,280	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	3	..	3	..	..	..	120	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	399	470	399	470	..	..	31,800	37,680	..	..
256,019	306,407	19,202	25,361	275,221	331,768	25,975,977	28,375,467	178,53,374	257,97,068	93,825	101,262
4	..	149	351	153	351	44,043	29,250	73,742	1,37,740	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
13	5	92	..	105	5	2,114	392	10,222	310	..	..
120	75	373	89	493	164	29,864	13,918	27,742	14,849	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
141	41	23	203	164	244	15,013	26,768	15,673	24,180	..	..
..	..	..	..	..	..	..	..	..	..	..	..
131	51	..	..	131	51	10,557	2,598	11,802	5,130	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
74	211	..	91	74	302	5,724	31,007	4,238	28,683	..	..
250	54	572	363	822	417	43,260	38,259	94,848	1,86,331	..	..
6	38	4	..	10	38	780	2,880	783	3,270	..	..
..	27	..	118	..	145	..	1,856	..	870	..	..
..	10	..	..	..	10	..	710	..	200	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
739	512	1,213	1,215	1,952	1,727	151,355	148,638	2,39,050	3,51,563	32	33
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1,000	800	..	..	1,000	800	30,000	24,000	1,48,225	1,28,452	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
6,931	7,334	..	..	6,931	7,334	207,930	2,20,020	4,55,000	5,25,452	..	..
..	..	..	..	..	..	..	..	..	..	..	..
500	495	..	..	500	495	15,000	14,850	34,110	34,046	..	..

Form I.—Comparative Return of Traffic carried on

—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Traffic crossing the boundary between (*a*) and (*b*).	
	Balance from last year.	For current year.			Demands.	Collections.		Tonnage.	
								From (*a*) to (*b*) (exports).	Into (*b*) from (*a*) (imports).
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
							VEDARANNIYAM CANAL—*cont.*		
							Boat Traffic—cont.		
							16. Building materials ..	..	..
							17. Miscellaneous goods ..	210	..
							18. Timber	..	..
							19. Firewood	130	..
							20. Bamboos	..	..
							21. Coal and coke ..	..	..
							22. Jute	..	..
							23. Treasure	..	..
							24 Cowdung	..	..
							25. Fish	202	..
	..	1,136	1,136	..	1,134	1,134	Total, Boat Traffic ..	199	..
								9,370	..

the Navigable Canals for the year 1895-96—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
..	..	..	..	..	..	..	..	..	..	..	..
170	210	..	..	170	210	5,100	6,000	9,000	10,000	..	..
..	..	..	..	..	..	..	..	..	..	..	..
127	130	..	..	127	130	3,810	3,900	9,000	9,030	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
200	202	..	..	200	202	6,000	6,060	8,250	8,260	..	..
200	199	..	..	200	199	6,000	5,970	19,640	19,600	..	..
9,128	9,370	..	..	9,128	9,370	273,840	280,800	6,83,225	7,34,840	..	..

FORM II.—For all the Navigable Canals of the Madras Presidency.

SUMMARY of Comparative Returns of Traffic on the Chilka Lake, Dumagudem, Gódávari, Kistna, Buckingham, Kurnool-Cuddapah and Védáranniyam Canals for the year 1895-96.

Canals.	Demands.		Collections.		Total tonnage up and down.		Ton mileage.		Value of goods.		Number of passengers.	
	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.	1894-95.	1895-96.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.					Rs.	Rs.		
Chilka Lake canal	..	..	..	..	15,580	15,303	104,478	111,625	11,73,881	10,29,600	1,628	2,904
Dumagudem canal	.. 743	.. 739	.. 743	.. 739	11,282	9,091	22,120	17,612	7,86,881	6,36,185	147	160
Gódávari canals	1,03,836	87,042	1,03,836	87,042	414,755	358,896	11,967,929	11,693,287	230,62,564	224,77,993	256,612	241,150
Kistna canals	37,904	37,361	37,222	36,722	236,823	280,462	12,683,540	15,602,998	119,76,805	162,75,148	117,337	123,212
Buckingham canal	1,09,499	1,08,382	1,09,499	1,08,382	275,221	331,768	25,975,977	28,375,467	178,53,374	257,97,068	93,825	101,262
Kurnool-Cuddapah canal ..	(a) 1,457	1,302	(a) 1,457	1,302	1,952	1,727	161,355	148,638	2,39,050	3,51,563	32	33
Védáranniyam canal ..	1,134	1,136	1,134	1,136	9,128	9,370	273,840	280,800	6,83,225	7,34,840	..	..
Total ..	2,64,573	2,35,962	2,53,891	2,35,323	964,741	1,006,617	51,079,239	56,537,427	557,64,770	673,02,397	469,581	468,721

Note.—The "tonnage" and "value of goods" are merely approximations and the latter, especially, is a somewhat rough one, as the nature and quantity of goods carried are in most cases arrived at solely from the statements of the boat syrangs who rarely have any "manifests."

(*a*) Revised figures.

23rd July 1896.

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Chief Engineer for Irrigation.

Office-note to the Examiner, Public Works Accounts, dated 10th July 1896, No. 241.
„ from the „ „ „ 17th „ „ „ 2056 D./B.

ORDER—No. 647 I., dated 5th August 1896.

Ordered that the above statements be forwarded to the Government of India with reference to its letter No. 58 I., dated 15th April 1891, printed in Proceedings of Madras Government, No. 441 I., dated 23rd May 1891.

[Here enter No. 648 I., dated 5th August 1896.]

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineers, I, II, III and V Circles.
„ the Examiner, Public Works Accounts.

ENDORSEMENT—No. 648 I., dated 5th August 1896.

Forwarded.

(By order.)

Colonel, R.E.,
Secretary to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.
Spare Copies

IRRIGATION.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated August, 5th.

Recd. *Encl.*

G.O. Nos. 647, 648 I., 5th Aug. 1896.

AUGUST.

Traffic on the Navigable Canals

Forwarding proceedings embodying the statements of — for 1895–96.

No. 6478

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 5th August 1896

READ the following

Statements of Traffic on the Navigable Canals for 1895-96.

Office Note to the P.S. 5.8.96 No. 241 dy 10 July 96.

Do. from do. 7056/B dy 17th do.

Ordered that the above statements be forwarded to the Govt of India with reference to its letter, No. 58. I., dy 15th April 91. printed in Duly No. 444. I., dy 23rd May 91.

Endorsement -
No. 6482 dy 5. August 1896
Forwarded.

To
The Chief Engr for I.
Supg Engrs I, II, III & IV
Do T.C.S.
Circular

~~42~~

Statements of Traffic on the Navigable Canals for 1895-96

Issue

Queen's 30/7

29/7/96

E. I. Form No 1—1,000—27-11-95.

0270

G. C. 23/7 (10) R15/7

15 JUL 1896

15 JUL 1880

Form. I. — Comparative Return of Traffic

—	Demands		Collections during the current year	Balance uncollected	Previous year		Nature of cargo	Traffic across the boundary between and (b)	
	Balance from last year	For current year			Demands	Collections		Tonnage	
								From (a) to (b) (exports)	Inc fro (im
1	2	3	4	5	6	7	8	9	
	Rs	Rs	Rs	Rs	Rs	Rs			

Chilka Lake Canal Boat Traffic

1. Cotton, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"
2. Woollen goods, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"
3. Dyes and tans	"	"	"	"	"	"	"	"	"	"	"	"	"
4. Paddy and rice	"	7	"	1.314	4.532	1.321	4.532	10.462	36.253	6.5660	188.047	"	"
5. Other food-grains	"	5	"	2	3	7	3	56	24	312	168	"	"
6. Hides and skins	"	"	"	"	"	"	"	"	4	"	184	"	"
7. Liquor	"	"	"	"	"	"	"	"	"	"	"	"	"
8. Metals	"	"	2	"	"	"	2	"	14	"	240	"	"
9. Oils	"	"	"	382	202	382	202	3056	1612	42878	23888	"	"
10. Oil-Seeds	"	90	91	"	"	90	91	723	727	8948	9936	"	"
11. Provisions	"	77	10	"	"	77	10	620	77	16854	2880	"	"
12. Salt	"	13175	10096	"	"	13175	10096	85445	69981	1022185	773230	"	"
13. Spices	"	"	"	"	"	"	"	"	"	"	"	"	"
14. Sugar	"	8	7	"	"	8	7	63	56	2496	2304	"	"
15. Tobacco	"	"	"	"	"	"	"	"	"	"	"	"	"
16. Building materials	"	2	4	117	"	119	4	947	28	336	384	"	"
17. Miscellaneous goods	"	62	61	20	36	82	97	661	776	11909	12774	"	"
18. Timber	"	37	29	9	"	46	29	367	232	645	330	"	"
19. Firewood	"	"	"	190	200	190	200	1424	1600	1068	14930	"	"
20. Bamboos	"	4	21	79	9	83	30	664	241	590	305	"	"
21. Coal and Coke	"	"	"	"	"	"	"	"	"	"	"	"	"
22. Jute	"	"	"	"	"	"	"	"	"	"	"	"	"
23 Treasure	"	"	"	"	"	"	"	"	"	"	"	"	"
Total Boat Traffic	"	13467	10321	2113	4982	15580	15303	104478	111625	1173881	1029600	1628	2904

Dumaqudem Canal Boat Traffic

1. Cotton, raw and manufactured	"	6	18	"	"	6	18	12	6	4600	14900	"	"
2. Woollen goods, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"
3. Dyes and tans	"	"	"	"	"	"	"	"	"	"	"	"	"
4. Paddy and rice	"	100	126	17	30	117	156	28	40	7572	9717	"	"
5. Other food-grains	"	76	18	213	226	289	244	444	362	14625	12200	"	"
6. Hides and Skins	"	"	"	7	9	7	9	14	18	5600	7200	"	"
7. Liquor	"	"	"	"	"	"	"	"	"	"	"	"	"
8. Metals	"	15	8	"	"	15	8	6	2	1200	640	"	"
9. Oils	"	15	8	"	14	15	22	4	4	2325	3300	"	"

Dumeguden Canal
Continued

Boat traffic Contd:														
10. Oil Seeds	"	"	"	"	110	331	110	331	226	690	5525	16550	"	"
11. Provisions	"	44	56	"	"	44	56	50	46	4600	5600		"	"
12. Salt	"	333	352	"	"	333	352	512	558	26680	28160		"	"
13. Spices	"	"	"	"	"	"	"	"	"	"	"		"	"
14. Sugar	"	27	22	"	"	27	22	34	22	1755	1494		"	"
15. Tobacco	"	1	4	"	"	1	4	"	2	300	1200		"	"
16. Building materials	"	"	"	"	"	"	"	"	"	"	"		"	"
17. Miscellaneous gmds	"	54	36	343	344	397	280	932	884	19614	27414		"	"
18. Timber	"	"	"	554	233	554	233	1124	466	44440	18640		"	"
19. Firewood	"	"	"	"	"	"	"	"	"	"	"		"	"
20. Bamboos	"	"	"	"	"	"	"	"	"	"	"		"	"
21. Coal and coke	"	"	"	"	"	"	"	"	"	"	"		"	"
22. Jute.	"	"	"	"	"	"	"	"	"	"	"		"	"
23. Treasure	"	"	"	"	"	"	"	"	"	"	"		"	"
Total, Boat Traffic	"	671	648	1244	1187	1915	1835	3386	3100	128836	147015	147		160
Raft Traffic														
24. Timber in logs	"	"	"	6327	3790	6327	3790	12654	7580	474525	284250		"	"
25. Squared timber	"	"	"	"	"	"	"	"	"	"	"		"	"
26. Sleepers, broad gauge	"	"	"	"	"	"	"	"	"	"	"		"	"
27. do. metre Do.	"	"	"	"	"	"	"	"	"	"	"		"	"
28. Scantlings	"	"	"	"	"	"	"	"	"	"	"		"	"
29. Poles	"	"	"	2596	3314	2596	3314	5192	6628	155760	198840		"	"
30. Firewood	"	"	"	444	152	444	152	888	304	17760	6080		"	"
31. Bamboos	"	"	"	"	"	"	"	"	"	"	"		"	"
32. Reeds.	"	"	"	"	"	"	"	"	"	"	"		"	"
Total, Raft Traffic	"	"	"	9367	7256	9367	7256	18734	14512	648045	489170		"	"
Grand Total, Boat & Raft Traffic	"	671	648	10611	8443	11282	9091	22120	17612	786881	636185	147		160

Tollage and license fees...	"	470	470	"
Ground rent...	"	104	104	"
Miscellaneous...	"	165	165	"
	"	739	739	"

	"	"	"	"
	"	572	572	"
	"	171	171	"
	"	"	"	"
	"	743	743	"

Godavari Canals

Toll age

Government boats and steamers	"	"	"	"	4922	4922
Private passenger and cargo boats	"	69410	69410	"	70338	70338
Rafts	"	14300	14300	"	15392	15392
Miscellaneous	"	2651 ~~2651~~	2651 ~~2651~~	"	12388	12388
Fines	"	"	"	"	"	"
Ground rents	"	681	681	"	796	796
		87042	87042			
	"	~~87242~~	~~87242~~	"	103836	103836

Boat Traffic

1. Cotton, raw and manufactured	328	539	397	581	725	1120	"	15847	691769	602030	"	"
2. Woollen, raw and manufactured	107	71	13	17	120	88	"	1136	188000	182750	"	"
3. Dyes and tans	52	63	39	140	91	203	"	4642	27450	71700	"	"
4. Paddy and rice	63985	37648	41820	33095	105805	70743	"	1985386	3410525	2411335	"	"
5. Other food-grains	1490	2336	6955	7261	8445	9597	"	214236	422525	479946	"	"
6. Hides and skins	96	85	182	104	278	189	"	4356	223666	151200	"	"
7. Liquors	449	422	775	390	1224	812	"	23373	489859	324800	"	"
8. Metals	1078	1066	490	490	1568	1556	"	39353	517658	201775	"	"
9. Oils	1764	982	697	1395	2361	2377	"	73446	354906	356550	"	"
10. Oil-seeds	17800	13439	23608	16859	41408	30298	"	853319	2100818	1514900		
11. Provisions	6774	9860	5994	4750	12768	14610	"	365110	1277148	1461000	"	"
12. Salt	4594	5266	1732	1852	6326	7118	"	193076	508583	669440	"	"
13. Spices	136	176	69	157	195	333	"	5368	194792	333000	"	"
14. Sugar	4217	4721	15169	14639	19386	19360	"	474614	1273696	1254022	"	"
15. Tobacco	1581	3343	2219	3677	3800	7020	"	201487	1132517	2106150	"	"
16. Building materials	30349	24059	50670	67005	81079	91064	"	2209631	94057	128450	"	"
17. Miscellaneous goods	8565	8913	6090	7126	14655	16039	"	429208	1117978	1601398	"	"
18. Timber	322	732	3570	2933	3892	3665	"	123821	311823	293200	"	"
19. Firewood	3339	2739	2522	1976	5861	4714	"	110030	35186	28281	"	"
20. Bamboos	338	726	8620	6959	8958	7685	"	197665	179235	153700	"	"
21. Coal and coke	228	13	603	426	831	439	"	9766	9988	5268	"	"
22. Jute		2	36	16	37	18	"	14	4440	2100	"	"
23. Treasure	18	161	6	46	24	62	"	648	4635438	5346100	"	"
Total, Boat Traffic	"	147611	117217	172166	171893	319777	289110	"	7535231	19202051	19579095	256612	241150

Raft Traffic

24. Timber in logs	"	192	718	16032	11244	16224	11962	"	244319	1216875	897150	"	"
25. Squared timber	"	479	788	12951	8963	13430	9751	"	175975	1074540	780100	"	"
26. Sleepers, broad gauge	"	-	126	"	14	"	140	"	1885	"	22400	"	"
27. Do., metre Do.	"	"	"	103	85	103	85	"	595	16450	12750	"	"
28. Scantlings	"	15	51	2344	1934	2359	1985	"	14618	141540	119130	"	"
29. Poles	"	547	415	6705	7173	7252	7588	"	169034	2900800	3035200	"	"
30. Firewood	"	1	5	13	113	14	118	"	816	84	708	"	"
31. Bamboos	"	633	596	54963	37561	55596	38157	"	3550814	1111934	763140	"	"
32. Reeds	"	"	"	"	"	"	"	"	"	"	"	"	"
Total, Raft Traffic	"	1867	2699	93111	67087	94978	69786	"	4158056	3850503	2898898	"	"
Grand Total, Boat and Raft Traffic	"	149478	119916	265277	238980	414755	358896	11967929	1169[illegible]	23052554	22477993	256612	241150

Kistna Canals

Boat Traffic

1. Cotton, raw and manufactured	"	849	966	497	1197	1346	2453	96600	155991	926140	131 2220	"	"	
2. Woollen goods, raw and manufactured	"	11	6	12	4	23	12	777	1031	34500	26325	"	"	
3. Dyes and tans	"	458	608	590	818	1048	1426	63034	79027	314400	427800	"	"	
4. Paddy and rice	"	29824	41021	37261	38180	67085	79201	3732386	4944911	2223952	2666060	"	"	
5. Other food-grains	"	6523	3783	4577	4239	11100	8022	613203	385406	555000	403100	"	"	
6. Hides and Skins	"	16	30	11	19	27	49	1591	1843	36000	39200	"	"	
7. Liquors	"	200	172	182	211	382	383	16715	18588	152933	153200	"	"	
8. Metals	"	1761	2292	1037	1572	2798	3864	178153	245768	559723	772800	"	"	
9. Oils	"	2865	2441	1978	2067	4843	4508	318260	285975	726375	675750	"	"	
10. Oil-seeds	"	242	539	15076	18963	15318	19502	545551	722614	765900	975100	"	"	
11. Provisions	"	6119	5979	3643	4973	9762	10952	425801	579006	976200	1095200	"	"	
12. Salt	"	13955	15529	2375	1994	16330	17523	973143	1114000	1306400	1401840	"	"	
13. Spices	"	16	15	1	7	17	22	1963	2319	16200	22600	"	"	
14. Sugar	"	2632	1568	632	738	3265	2306	136743	95621	319800	155987	"	"	
15. Tobacco	"	398	586	1900	3531	2298	4117	99662	143923	689400	1235100	"	"	
16. Building materials	"	4709	4638	38993	53159	43702	57797	1906881	2479876	131106	173391	"	"	
17. Miscellaneous goods	"	2965	4596	4095	5229	7060	9825	383718	586883	1059000	1397615	"	"	
18. Timber	"	2546	2647	1659	1754	4205	4401	195377	205417	336400	352080	"	"	
19. Firewood	"	4904	4964	812	369	5716	5333	228691	194151	34296	38676	"	"	
20. Bamboos	"	4113	5189	1297	4631	5410	6820	202141	266811	108213	134687	"	"	
21. Coal and Coke	"	1107	894	22912	53423	24019	34317	1934713	2724738	288228	407527	"	"	
22. Jute	"	"	"	"	"	"	"	"	"	"	"	"	"	
23. Treasure	"	1	18	305	8	306	24	90269	936	27736	2026250	"	"	
Total Boat Traffic	"	86214	98471	139846	174086	226060	272557	10453721	15224834	1558865	15892508	117337	123212	

Raft Traffic

24. Timber in logs	"	1231	1473	989	1629	2220	3302	141220	145181	166500	247600	"	"	
25. Squared timber	"	327	327	514	390	841	717	31462	38449	67280	56560	"	"	
26. Sleepers broad gauge	"	"	"	"	"	"	"	"	"	"	"	"	"	
27. Do metre. Do.	"	"	"	"	"	"	"	"	"	"	"	"	"	
28. Scantlings	"	"	"	3	"	3	"	225	"	180	"	"	"	
29. Poles	"	"	38	"	"	"	38	"	1140	"	1520	"	"	
30. Firewood	"	"	"	"	"	"	"	"	"	"	"	"	"	
31. Bamboos	"	5702	1545	1997	2303	7699	3848	265261	190374	153980	76960	"	"	
32. Reeds	"	"	"	"	"	"	"	"	"	"	"	"	"	
Total Raft Traffic	"	7260	3383	3503	4522	10763	7905	438168	375184	387940	382640	"	"	
Grand Total Boat + Raft Traffic	"	93474	101854	143349	178608	236823	280462	10891888	15600018	1946805	16275148	117337	123212	

3

Tollage

Private boats	"	24233	24233	"	19883	19883	
Government boats	"	"	"	"	"	"	
Rafts	"	1352	1352	"	1423	1423	

License fees

Private passenger boats	"	1102	1102	"	1206	1206	
Private Cargo boats	"	4813	4813	"	3894	3894	
Government boats and steamers	"	"	"	"	5252	5252	
Numbering fees	"	107	107	"	111	111	
Private Steamers	"	"	"	"	172	172	
Ground rent	752	926	1039	639	3153	2471	
Fines	"	92	92	"	32	32	
Miscellaneous	"	4798	4798	"	3156	3156	
Refunds	"	-814	-814	"	-614	-614	
		36609	36722				Grand Total
	752	31811	31924	639	37904	37222	Boat + Raft Traffic

Tollage

Private boats	"	41056	41056	"	40861	40861
Government boats	"	"	"	"	"	"
Raft	"	123	123	"	110	110
Ground rent	"	"	"	"	"	"
Miscellaneous	"	"	"	"	"	"

License fees

Government boats and steamers	"	"	"	"	531	531
Private passenger boats	"	46730	46730	"	47099	47099
Private Cargo boats	"	16170	16170	"	16675	16675
Private Steamers (steam boats)	"	130	130	"	40	40
Ground rent	"	1400	1400	"	745	745
Rent of boats	"	1036	1036	"	1755	1755
Fees for numbering boats	"	96	96	"	"	"
Miscellaneous	"	1641 ~~1626~~	1641 ~~1626~~	"	1683	1683
		108382 ~~108367~~	108382 ~~108367~~	"	109499	109499

Buckingham Canal

Boat Traffic

1. Cotton, raw and manufactured	"	722	2052	1904	2853	2626	4906	482068	907375	3139720	5017530	"	"
2. Woollen goods, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"
3. Dyes and tans	"	"	"	"	30	"	30	"	3474	"	9000	"	"
4. Paddy and rice	"	50202	53670	75	87	50277	53757	7824901	8041740	18160301	19040490	"	"
5. Other food grains	"	2873	1865	167	138	3040	2003	558164	357299	152000	100150	"	"
6. Hides and skins	"	17	35	1	"	18	35	2055	4092	14400	28000	"	"
7. Liquors	"	"	"	107	181	107	181	19802	32656	42800	72400	"	"
8. Metals	"	64	147	2795	3683	2859	3830	511084	649690	571800	766000	"	"
9. Oils	"	17	75	4408	4109	4425	4184	791355	764043	663750	627600	"	"
10. Oil seeds	"	484	3190	4	"	488	3190	80557	603170	24400	157500	"	"
11. Provisions	"	13837	13864	808	1557	14645	15421	2072424	2210936	1464500	1542100	"	"
12. Salt	"	51795	98341	"	6	51795	98347	879227	1563348	1143600	786760	"	"
13. Spices	"	"	"	"	"	"	"	"	"	"	"	"	"
14. Sugar	"	470	339	49	126	519	465	48912	49376	40080	47235	"	"
15. Tobacco	"	87	96	5	28	92	124	16243	20431	27600	37200	"	"
16. Building materials	"	21271	24336	1589	3813	22860	28149	705339	854007	68580	84447	"	"
17. Miscellaneous goods	"	7425	7767	5376	5416	12801	13183	1712550	1594211	473472	484082	"	"
18. Timber	"	43	135	1458	2754	1501	2889	165017	321235	118960	225720	"	"
19. Firewood	"	80467	73593	"	10	80467	73603	4987750	5153441	482802	441618	"	"
20. Bamboos	"	"	"	57	88	57	88	2061	8900	1140	1760	"	"
21. Coal and Coke	"	26245	26847	"	11	26245	26858	5116488	5226452	314940	322296	"	"
22. Jute	"	"	55	4	"	"	55	"	9568	"	6600	"	"
23. Treasure	"	"	"	"	1	"	1	"	23	"	8000	"	"
Total, Boat Traffic	"	256019	306407	18803	24891	274822	331298	25975977	28375467	17821574	25767488	93825	101262

Raft Traffic

Timber in logs	"	"	"	"	4	"	4	"	"	"	300	"	"
Squared timber	"	"	"	396	466	396	466	"	"	31680	37280	"	"
Sleepers, broad gauge	"	"	"	"	"	"	"	"	"	"	"	"	"
do metre do	"	"	"	"	"	"	"	"	"	"	"	"	"
Scantlings	"	"	"	3	"	3	"	"	"	120	"	"	"
Poles	"	"	"	"	"	"	"	"	"	"	"	"	"
Firewood	"	"	"	"	"	"	"	"	"	"	"	"	"
Bamboos	"	"	"	"	"	"	"	"	"	"	"	"	"
Reeds	"	"	"	"	"	"	"	"	"	"	"	"	"
Total, Raft Traffic	"	"	"	399	470	399	470	"	"	31800	37580	"	"
Grand Total, Boat and Raft Traffic	"	256019	306407	19202	25361	275221	331768	25975977	28375467	17853374	25797068	93825	101262

Kurnool-Cuddapah Canal

Boat Traffic

							1. Cotton, raw and manufactured	"	"	4	"	149	351	153	351	44,043	29,250	73,742	137,740	"	"
							2. Woollen goods, raw and manufactured	"	"	"	"	"	"	"		"		"		"	"
							3. Dyes and tans	"	"	"	"	"	"	"		"		"		"	"
							4. Paddy and rice	"	"	13	5	92	"	105	5	2,114	392	10,222	310	"	"
							5. Other food-grains	"	"	120	75	373	89	493	164	29,864	13,918	27,742	14,849	"	"
							6. Hides and skins	"	"	"	"	"	"	"		"		"		"	"
							7. Liquors	"	"	"	"	"	"	"		"		"		"	"
							8. Metals	"	"	"	"	"	"	"		"		"		"	"
							9. Oils	"	"	"	"	"	"	"		"		"		"	"
							10. Oil-seeds	"	"	141	41	23	203	164	244	15,013	26,768	15,673	24,180	"	"
							11. Provisions	"	"	"		"	"	"		"		"		"	"
							12. Salt	"	"	131	51	"	"	131	51	10,557	3,598	11,802	5,130	"	"
							13. Spices	"	"	"	"	"	"	"		"		"		"	"
							14. Sugar	"	"	"	"	"	"	"		"		"		"	"
Rent of Boats	"	1302	1302	"	1457 / 1190	1457 / 1190															
							15. Tobacco	"	"	"	"	"	"	"		"		"		"	"
							16. Building materials	"	"	74	211	"	91	74	302	5,724	31,007	4,238	28,683	"	"
							17. Miscellaneous goods	"	"	250	54	572	363	822	417	43,260	38,259	94,848	136,331	"	"
							18. Timber	"	"	6	38	4	"	10	38	780	2,880	783	3,270	"	"
							19. Fuel	"	"	"	27	"	118	"	145	"	1,856	"	870	"	"
							20. Bamboos	"	"	"	10	"	"	"	10	"	710	"	200	"	"
							21. Coal and coke	"	"	"	"	"		"		"		"		"	"
							22. Jute	"	"	"	"	"		"		"		"		"	"
							23 Treasure	"	"	"	"	"		"		"		"		"	"
	"	1,302	1,302	"	1457 / 1190	1457 / 1190	Total, Boat Traffic	"	"	739	512	1,213	1,215	1,952	1,727	151,355	148,638	239,050	351,563	32	33

Vedaranniyam Canal

Boat Traffic

							1. Cotton, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							2. Woollen goods, raw and manufactured	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							3 Dyes and tans	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							4 Paddy and rice	800	"	1,000	800	"	"	1,000	800	30,000	24,000	148,225	128,452	"	"
							5. Other food-grains	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							6. Hides and skins	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							7. Liquors	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							8. Metals	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							9. Oils	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							10. Oil-seeds	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Private boats	"	1,136	1,136	"	1134	1134	11. Provisions	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							12. Salt	7,334	"	6,931	7,334	"	"	6,931	7,334	207,930	220,020	455,000	525,452	"	"
							13. Spices	"	"	"	"	"	"	"	"	"	"	"	"	"	"
							14. Sugar	"	"	"	"	"	"	"	"	"	"	"	"	"	"

Vedaranniyam Canal
continued

						Boat Traffic Contd:							
"	500	495	"	"	500	495	15.000	14.850	34.110	34.046	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	170	210	"	"	170	210	5.100	6.000	9.000	10.000	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	127	130	"	"	127	130	3.810	3.900	9.000	9.030	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	"	"	"	"	"	"	"	"	"	"	"	"	
"	200	202	"	"	200	202	6.000	6.060	8.250	8.260	"	"	
"	200	199	"	"	200	199	6.000	5.970	19.640	19.600	"	"	
"	9128	9.370	"	"	9128	9.370	273840	280800	683225	734840	"	"	

						15. Tobacco	495						
						16. Building materials	"						
						17. Miscellaneous goods	210						
						18. Timber	"						
						19. Firewood	130						
						20. Bamboos	"						
						21. Coal and coke	"						
						22. Jute	"						
						23. Treasure	"						
						24. Cowdung	202						
						25. Fish	199						
"	1136	1136	"	1134	1134	Total, Boat Traffic	9370						

carried on the Navigable Canals for the year 1895-96.

rowing (ary 2 (a)	Up traffic		Down traffic		Total tonnage both ways		Ton mileage		Value of goods		Number of passengers	
to (b) om (a) nports)	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96
10	11	12	13	14	15	16	17	18	19 Rs	20 Rs.	21	22
	4	4	4	4	4	4	5	5	5	5	4	4

Form 2. For all the Navigable canals of the Madras Presidency

Summary of Comparative Returns of Traffic on the Chilka Lake, Dumagudem, Godavari, Kistna, Buckingham, Kurnool-Cuddapah and Vedaranniyam Canals for the year 1895-96

Canals	Demands		Collections		Total tonnage up and down		Ton mileage		Value of goods		Number of passengers	
	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96	1894-95	1895-96
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs	Rs	Rs	Rs					Rs	Rs		
Chilka Lake Canal	.	.	.	.	15.580	15.303	104478	111.625	11.73.881	10.29.600	1.628	2.904
Dumagudem Canal	743	739	743	739	11.282	9.091	22.120	17.612	786.881	636.185	147	160
Godavari Canals	1.03.836	87.042	1.03.836	87.042	4.14.755	3.58.896	11.96.729	11.69.287	230.52.554	224.77.993	256.612	241.150
Kistna Canals	37.904	37.361	37.222	36.722	236.823	280.462	12.583.540	156.09.998	119.75.806	162.75.148	117.337	123.212
Buckingham Canal	1.09.499	1.08.382	1.09.499	1.08.382	275.221	331.768	25.97.977	28.37.547	178.53.374	257.97.068	93.825	101.262
Kurnool-Cuddapah Canal	(a) 1.457	1.302	(a) 1.457	1.302	1952	1727	151.355	148.638	2.39.050	3.51.563	32	33
Vedaranniyam Canal	1.134	1.136	1.134	1.136	9.128	9.370	273.840	280.800	6.83.225	7.34.840	-	-
Total	254573	235.962	253.891	235.323	964.741	1006.617	51.079.239	56.23.742	557.64.770	673.02.397	469.581	468.721

Note - The "tonnage" and "value of goods" are merely approximations and the latter, especially, is a somewhat rough one, as the nature and quantity of goods carried are in most cases arrived at solely from the statements of the boat Syrangs who rarely have any "manifests".

(a) Revised figures

20.7.96 KG

Rivedrater-Benchmark

Colonel R.E.
Chief Engineer for Irrigation

OWS.2
7037/56

D46.1
7037/56

E. I. Form No. 22—2,000—21-4-93.

GOVT. OF MADRAS. } 1896. { P. W. DEPT

15 JUL 1896

CHIEF ENGINEER FOR IRRIGATION.

Ootacamund ~~Madras~~, 10 July 1896.

OFFICE NOTE No. 241

Enclosure

Circulation Register.

To	From	Despatch Date.	Receipt Date.
6	DEI	14-7-96	

KEEP-WITH.

No. , dated 189 .

Please have the figures representing receipts in the accompanying traffic statement verified in your office and return it as early as possible for submission to Govt.

DEI

10/7

15/7

15/7

VCA 8/7 BR.

No. 2056 D/18 dt 17.7.96

7037

To E.I. R 144

Encl 2

Recd: 4.8.96

The totals in columns 4 and 7 alone can be verified by this office; and this has been done with the following results:-

System	1895-96		
	As per Statement.	As per books of this Office	Difference.
1. Godavari Delta	87,242	87042	200
2. Kistna Delta	31,924	36,722	-4798
3. Kurnool Canal	"	1302	-1302
4. Buckingham Canal	108367	108382	- 15

3. The reasons for these differences are not known, except that in the case of the Godavari Delta System, the deduction of Rs.200 shown in the accounts of the Godavari Eastern Division for March 1896 supplemental has been omitted in the statement.

12.9.95. 744 J.

23.5.91. 441 J.

3. It is observed that the traffic receipts of the Kurnool canal, which amounted to Rs.1457 in 1894-95 have also been omitted from the statement.

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4. In the case of Dumagudiem Canal this office is unable to verify the entries against "ground rent" and "miscellaneous" as the transactions connected therewith are inseparably mixed up with the receipts from works other than the canal in the Divisional Register of Revenue.

C.