

Public Works (1897) Department.

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G.O., No. 802-32

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[Despatch Abstract.]

Traffic on the Navigable Canals. Ordered
that the statements of — for 1896-97, be
forwarded to the Govt of India.

Traffic on the Navigable Canals. Forwarding
Copy of Procs. embodying the statements
of — for 1896-97.

20
2/2/97

W. J. M. R. F.

BACK PAPERS.

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

FURTHER PAPERS.

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

IRRIGATION.

Government { 1897 } of Madras. PUBLIC WORKS.

Recd.

Regd.

} 1897.

Enclosures

Spare copies

G.O., Nos. 802, 803 I., 2nd September 1897.

SEPTEMBER.

Traffic on the Navigable Canals

Forwarding copy of Proceedings embodying the statements of — for 1896-97.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

Statements of Traffic on the navigable canals for 1896-97.

[Statements

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.			De-mands.	Collec-tions.		Tonnage.	
								From (a) to (b) (ex-ports).	Into (b) from (a) (im-ports).
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 manu- factured ..	..	..
							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 ..	..	..
							DUMAGUEM CANAL.		
							Boat Traffic.		
							1. Cotton, raw and manu- factured ..	..	..
							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 ..	..	405	405	..	470	470			
Ground rent ..	..	94	94	..	104	104			
Miscellaneous ..	..	65	65	..	165	165			

the Navigable Canals for the year 1896-97.

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
11	12	13	14	15	16	17	18	19	20	21	22
..	..	..	..	..	..	..	..	RS.	RS.	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	4,532	3,415	4,532	3,415	36,253	27,326	1,88,047	34	..	..
..	1	3	..	3	1	24	7	168	72	..	..
..	..	..	..	..	..	4	3	184	154	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	2	..	..	2	..	14	..	240	..	..	..
..	..	202	101	202	101	1,612	809	23,888	14,714	..	..
..	91	39	..	91	39	727	315	9,936	4,376	..	..
..	10	1	5	10	6	77	45	2,880	595	..	..
10,096	3,709	..	..	10,096	3,709	69,981	22,258	7,73,230	2,84,905	..	..
..	7	10	..	7	10	56	80	2,304	1,080	..	..
..	..	..	3	..	3	..	21	..	432	..	..
..	4	7	..	4	7	28	53	384	15	..	..
..	61	104	36	97	133	776	1,063	12,774	12,487	..	..
..	29	..	10	29	10	232	80	830	125	..	..
..	..	200	54	200	54	1,600	432	14,930	420	..	..
..	21	35	9	30	49	241	390	305	642	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
10,321	3,906	4,982	3,631	15,303	7,537	111,625	52,882	10,29,600	3,20,051	2,904	226
18	23	..	..	18	23	6	8	14,900	19,100	..	..
..	..	..	..	..	..	..	..	..	..	..	..
126	108	30	24	156	132	40	18	9,717	8,230	..	..
18	156	226	485	244	641	362	1,070	12,200	32,050	..	..
..	..	9	16	9	16	18	38	7,200	12,800	..	..
..	8	5	..	8	19	2	2	640	2,500	..	..
..	8	..	14	22	..	4	..	3,300	..	..	..
..	..	331	435	331	435	690	880	16,550	21,750	..	..
..	56	..	..	56	..	46	..	5,600	..	..	..
352	485	..	..	352	485	558	740	28,160	38,800	..	..
..	22	..	32	22	120	22	136	1,494	10,943	..	..
..	4	9	10	4	19	2	24	1,200	5,700	..	..
..	36	54	344	341	395	884	1,036	27,414	22,102	..	..
..	..	233	239	233	239	466	482	18,640	19,120	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
648	928	1,187	1,596	1,835	2,524	3,100	4,434	1,47,015	1,93,095	160	115
..	..	3,790	2,639	3,790	2,639	7,580	5,284	2,84,250	19,792	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	180	..	180	..	360	..	27,000	..	..
..	121	3,314	1,468	3,314	1,589	6,628	3,178	1,98,840	95,340	..	..
..	..	152	390	152	390	304	780	6,080	15,600	..	..
..	..	..	..	..	..	..	..	..	..	..	..

the Navigable Canals for the year 1896-97—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
11	12	13	14	15	16	17	18	19	20	21	22
								rs.	rs.		
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	121	7,256	4,677	7,256	4,798	14,512	9,602	4,89,170	1,57,732	..	..
648	1,049	8,443	6,273	9,091	7,322	17,612	14,036	6,36,185	3,50,827	160	115
539	593	581	494	1,120	1,087	15,847	16,181	6,02,030	12,50,185	..	..
71	70	17	6	88	76	1,136	543	1,82,750	1,16,300	..	..
63	55	140	447	203	502	4,642	5,724	71,700	4,50,600	..	..
37,648	49,298	33,095	37,447	70,743	86,745	1,985,386	2,252,529	24,11,335	28,60,914	..	..
2,336	2,848	7,261	8,222	9,597	11,070	214,235	288,305	4,79,946	5,57,412	..	..
85	160	104	257	189	417	4,356	9,684	1,51,200	3,32,700	..	..
422	254	390	663	812	917	23,373	24,481	3,24,800	3,48,120	..	..
1,066	863	490	648	1,556	1,511	39,353	37,689	2,01,775	1,05,442	..	..
982	950	1,395	453	2,377	1,403	73,146	43,631	3,56,550	1,91,235	..	..
13,439	10,242	16,859	23,599	30,298	33,841	853,319	975,128	15,14,900	16,55,806	..	..
9,860	9,311	4,750	5,655	14,610	14,966	365,110	463,239	14,61,000	15,17,246	..	..
5,266	9,493	1,852	2,217	7,118	11,710	193,076	391,284	5,69,440	8,63,399	..	..
176	123	157	159	333	282	5,368	4,507	3,33,000	2,82,000	..	..
4,721	2,704	14,639	6,223	19,360	8,927	474,614	172,902	12,54,022	5,83,160	..	..
3,343	2,020	3,677	7,710	7,020	9,730	201,487	231,150	21,06,150	29,19,000	..	..
24,059	13,913	67,005	60,611	91,064	74,524	2,209,631	1,551,920	1,28,450	1,03,174	..	..
8,913	12,597	7,126	10,740	16,039	23,337	429,208	582,957	16,01,398	9,75,632	..	..
732	665	2,933	3,233	3,665	3,949	123,821	145,905	2,93,200	3,15,920	..	..
2,739	3,393	1,975	1,522	4,714	4,915	110,030	106,643	28,281	29,490	..	..
726	168	6,959	9,443	7,685	9,611	197,665	316,332	1,53,700	1,92,220	..	..
13	7	426	93	439	100	9,766	1,478	5,268	1,200	..	..
2	3	16	40	18	43	14	36	2,100	5,160	..	..
16	15	46	20	62	35	648	40	53,46,100	30,19,352	..	..
117,217	119,746	171,893	179,952	289,110	259,698	7,535,231	7,622,288	1,95,79,095	1,86,75,667	241,150	228,112
718	500	11,244	16,099	11,962	16,599	244,319	341,429	8,97,150	12,44,957	..	..
788	487	8,963	5,086	9,751	5,573	175,975	108,612	7,80,100	4,45,887	..	..
126	2	14	2	140	4	1,885	26	22,400	640	..	..
..	..	85	..	85	..	595	..	12,750	..	..	..
51	20	1,934	2,411	1,985	2,431	14,618	21,694	1,19,130	1,45,860	..	..
415	446	7,173	6,707	7,588	7,153	169,034	144,909	3,03,520	2,86,120	..	..
5	..	113	..	118	..	816	..	708	..	..	..
596	859	37,561	38,869	38,157	39,728	3,550,814	3,607,157	7,63,140	7,94,560	..	..
..	..	..	..	..	..	..	..	..	..	..	..
2,699	2,314	67,087	69,174	69,786	71,488	4,158,056	4,221,827	28,98,898	29,18,024	..	..
119,916	122,060	238,980	249,126	358,896	371,186	11,693,287	11,844,115	2,24,77,993	2,15,93,691	241,150	228,112
956	848	1,197	546	2,153	1,394	155,991	115,412	13,12,220	10,07,153	..	..
8	3	4	23	12	26	1,031	657	26,325	39,250	..	..
608	381	818	508	1,426	889	79,027	55,798	4,27,800	2,66,700	..	..
41,021	12,825	38,180	19,442	79,201	32,267	4,944,911	1,820,430	26,66,060	11,30,280	..	..
3,783	4,744	4,239	7,230	8,022	11,974	385,405	802,491	4,03,100	5,98,900	..	..
30	59	19	29	49	88	1,843	1,508	39,200	56,000	..	..
172	58	211	109	383	167	18,583	8,798	1,53,200	66,800	..	..
2,292	2,067	1,572	1,332	3,864	3,399	245,768	247,832	7,72,800	6,79,877	..	..

the Navigable Canals for the year 1896-97—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
11	12	13	14	15	16	17	18	19	20	21	22
								Rs.	Rs.		
2,441	1,166	2,067	1,050	4,508	2,216	285,975	134,864	6,75,750	2,57,070	..	..
539	597	18,963	8,627	19,502	9,224	722,614	390,075	9,75,100	4,61,200	..	..
5,979	5,273	4,973	4,517	10,952	9,790	579,006	504,024	10,95,200	9,58,210	..	..
15,529	13,025	1,994	1,415	17,523	14,440	1,114,000	959,349	14,01,840	11,55,200	..	..
15	11	7	1	22	12	2,319	1,612	22,600	12,200	..	..
1,568	1,060	738	494	2,306	1,554	95,621	59,745	1,55,987	1,17,680	..	..
586	299	3,531	1,766	4,117	2,065	143,923	89,102	12,35,100	6,19,300	..	..
4,638	5,996	53,159	42,432	57,797	48,428	2,479,876	2,072,250	1,73,391	1,45,392	..	..
4,596	5,240	5,229	5,322	9,825	10,562	586,883	556,466	13,97,615	13,78,892	..	..
2,647	2,913	1,754	3,055	4,401	5,968	205,417	301,318	3,52,080	4,77,440	..	..
4,964	5,455	369	1,501	5,333	6,956	194,151	192,379	38,676	1,39,206	..	..
5,189	6,246	1,631	2,774	6,820	9,020	266,811	360,267	1,34,687	1,33,000	..	..
894	1,362	33,423	22,175	34,317	23,537	2,724,738	1,863,733	4,07,527	2,82,444	..	..
..	..	..	..	..	..	..	..	..	..	..	..
16	..	8	27	24	27	936	824	20,26,250	24,35,676	..	..
98,471	69,628	174,086	124,375	272,557	194,003	15,234,834	10,539,224	1,58,92,508	1,24,67,870	123,212	97,143
1,473	860	1,829	1,633	3,302	2,493	145,181	155,890	2,47,600	1,86,955	..	..
327	535	390	205	717	740	38,449	49,553	56,560	30,720	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
38	..	..	..	38	..	1,140	..	1,520	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1,545	1,056	2,303	2,061	3,848	3,117	190,394	146,808	76,960	67,080	..	..
..	..	..	..	..	..	..	..	..	..	..	..
3,383	2,451	4,522	3,899	7,905	6,350	375,164	352,251	3,82,640	2,84,755	..	..
101,854	72,079	178,608	128,274	280,462	200,353	15,609,998	10,891,475	1,62,75,148	1,27,52,625	123,212	97,143
2,052	843	2,853	2,468	4,905	3,309	907,375	611,709	50,17,530	40,31,370	..	..
..	..	30	9	30	9	3,474	1,387	9,000	2,700	..	..
53,670	24,610	87	367	53,757	24,977	8,041,740	2,957,920	19,10,490	10,07,330	..	..
1,865	6,472	138	64	2,003	6,536	357,299	1,220,398	1,00,50	3,26,800	..	..
35	67	..	..	35	67	4,092	7,190	28,000	53,600	..	..

No. 802 I., 2ND SEPTEMBER 1897. 11

the Navigable Canals for the year 1896-97—*cont.*

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
11	12	13	14	15	16	17	18	19	20	21	22
								rs.	rs.		
..	1	4	26	4	27	..	..	300	2,025	..	..
..	..	466	340	466	340	..	..	37,280	27,200	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	27	..	..	..	27	..	..	..	540	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	28	470	366	470	394	..	..	37,580	29,765	..	..
306,407	264,499	25,361	30,120	331,768	294,619	28,375,467	23,272,363	2,57,97,068	2,25,81,355	101,262	78,492
..	1	351	308	351	309	29,250	28,989	1,37,740	1,62,230	..	..
..	..	..	..	..	..	..	..	..	..	..	..
5	2	..	..	5	2	392	163	310	260	..	..
75	19	89	182	164	201	13,918	21,017	14,849	12,809	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
41	..	203	36	244	36	26,768	4,810	24,180	3,110	..	..
..	28	..	..	51	28	3,598	1,456	5,130	2,400	..	..
51	..	..	..	..	..	..	..	..	..	..	..
..	2	..	..	..	2	..	280	..	250	..	..
..	..	..	..	..	..	..	..	..	..	..	..
211	500	91	255	302	750	31,007	80,595	28,683	67,609	..	..
54	267	363	113	417	380	38,259	51,895	1,36,331	70,010	..	..
38	..	..	1	58	1	2,880	42	3,270	60	..	..
27	150	118	..	145	150	1,856	4,500	870	1,050	..	..
10	..	..	10	..	..	710	..	200	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
512	969	1,215	895	1,727	1,864	148,638	193,747	3,51,563	3,19,788	33	36
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
800	790	..	..	800	790	24,000	23,700	1,28,452	1,28,400	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
7,334	3,732	..	..	7,334	3,732	220,020	248,770	5,25,452	2,64,970	..	..
..	..	..	..	..	..	..	..	..	..	..	..
495	490	..	..	495	490	14,850	14,700	34,046	34,000	..	..

Form I.—Comparative Return of Traffic carried on

1	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.			De-mands.	Collections.		Tonnage.	
								From (a) to (b) (ex-ports).	Into (b) from (a) (im-ports).
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 ..	190	..	
						18. Timber ..	..	..	
						19. Firewood ..	140	..	
						20. Bamboos ..	..	..	
						21. Coal and coke ..	..	..	
						22. Jute ..	..	..	
						23. Treasure ..	..	..	
						24. Cowdung ..	200	..	
						25. Fish ..	180	..	
..	917	917	..	1,136	1,136	Total, Boat Traffic ..	5,722	..	

the Navigable Canals for the year 1896-97—cont.

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.
11	12	13	14	15	16	17	18	19	20	21	22
								RS.	RS.		
210	190	..	..	210	190	6,000	18,000	10,000	9,500	..	..
130	140	..	..	130	140	3,900	4,200	9,030	9,100	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
202	200	..	..	202	200	6,060	600	8,260	8,200	..	..
199	180	..	..	199	180	5,970	5,400	19,600	19,500	..	..
9,370	5,722	..	..	9,370	5,722	280,800	315,370	7,34,840	4,73,670	..	..

FORM II.—For all the Navigable Canals of the Madras Presidency.
 SUMMARY of Comparative Returns of Traffic on the Chilka Lake, Dumagudem, Gôdâvari, Kistna, Buckingham, Kurnool-Cuddapah and Védaranniyam Canals for the year 1896-97.

Canals.	Demands.		Collections.		Total tonnage up and down.		Ton mileage.		Value of goods.		Number of passengers.		
	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1895-96.	1896-97.	1896-97.
1	2	3	4	5	6	7	8	9	10	11	12	13	13
Chilka Lake canal	..	..	..	..	15,303	7,537	111,625	52,882	10,29,600	3,20,051	2,904	226	226
Dumagudem canal	..	..	..	..	9,091	7,322	17,612	14,036	6,36,155	3,56,827	160	116	116
Gôdâvari canals	..	..	..	..	358,896	371,186	11,693,287	11,844,115	2,24,77,993	2,15,83,691	241,150	228,112	228,112
Kistna canals	..	..	..	..	280,462	200,353	15,609,998	10,891,475	1,62,75,148	1,27,62,625	123,212	97,143	97,143
Buckingham canal	..	..	..	..	331,768	294,619	28,375,467	23,272,363	2,57,97,068	2,25,81,855	101,262	78,492	78,492
Kurnool-Cuddapah canal	..	..	..	..	1,727	1,864	148,638	193,747	8,51,563	3,19,788	33	..	..
Védaranniyam canal	..	..	..	..	9,370	5,722	280,800	315,370	7,34,840	4,73,670	..	..	..
Total ..	2,35,962	2,46,949	2,35,323	2,37,291	1,006,617	888,603	56,237,427	46,583,988	6,73,02,397	5,83,92,007	468,721	404,124	404,124

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 syarangs who rarely have any "manifests."

26th August 1897.

(Signed) W. HUGHES,
 Chief Engineer for Irrigation.

Office-note to the Examiner, Public Works Accounts, dated 27th July 1897, No. 217.

Office-note from the Examiner, Public Works Accounts, dated 14th August 1897, No. 2564 D/B.

ORDER—No. 802 I., dated 2nd September 1897.

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. 803 I., dated 2nd September 1897.]

(True Extract.)

(Signed) W. HUGHES,
 Joint Secy. 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. 803 I., dated 2nd September 1897.

Forwarded.

(By Order)

(Signed) W. HUGHES,
 Joint Secy. to Government,
 Irrigation Branch.

Exd. Shaik Karim.

His Excellency the Governor.

Print soon

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Statement of traffic on the navigable
canals for 1896-97 -

Under date the

Read the following

Statements of traffic on the navigable canals for 1896-97.
To the Examiner, P. W. Accounts. - (H.E. N^o 217 dated 27.7.97.)
From — do — do — (H.E. N^o 14 dated 14.8.97)
25.8.97

No. 8022 of 2-9-97
Order thereon.

Issue

W.H.
27.8.97 I

Flipped D.

Ordered that the above state-
ments be forwarded to the govern-
ment of India with reference to
its letter N^o 58-I dated 15 April
1891 printed in P.M.G. N^o 441-I
dated 23rd May 1891.

To The Chief Engineer for Irrigation.
" Supr. Engineers, I, II, III and
IV Circles.
" Examiner, P. W. Accts. 24/9/97

No. 8031 of 2-9-97
Endorsement.
Forwarded.

Thro H.E. I

25/8
57.

W.H.
26.8.97
I

For 1005
in 1897. Note for H.E. Multi. opns.
This should be issued to India as
quickly as possible. 24/9/97

Public Works (1897) Department.

CURRENT No. ~~177~~ 8757
W. J. J.
7

From *The Examiner*
P. W. A.

No. 2564 *2/B*

Dated 14 *Aug* 1897
1-5-97

Received ~~14~~ *100*

Enclosures 2

Spare copies

SUBJECT.

*Figures representing
receipts in the traffic
statements for 1896-97 -
returning verified
with remarks.*

BACK PAPERS.

FURTHER PAPERS.

No.	Date.
R 144 27	17.7.97 ✓

No.	Date.

KEEP WITH

CURRENT No.

dated

189 .

GOVT. OF MADRAS }

1897.

E. No. 27.

500-26-2-97.

{ P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 14th August 1897.

OFFICE NOTE No. 2564 2/83

To E. I.

The totals in Columns 4 and 7 of Form I could only be verified by this office.

2. Of these, the entries in column 7 relating to the year 1895-96 which have been altered with reference to the corrections pointed out in my O. O. No. 2056 2/83 dated 17th July 1896, agree with the Finance Accounts of that year, but those under Column 4 pertaining to 1896-97 differ as follows from the account of the year, as booked in this office.

System.	1896-97		
	Rs per statement	Rs per books of this office	Difference
1. Dummagudem Canal	499	564	✓ - 65
2. Godavari Delta	86818	87745	✓ - 927
3. Krishna Delta	29281	31679	✓ 2398
4. Buckingham Canal	110,225	114,788	✓ 4563
5. Kurnool Canal	"	1598	✓ 1598
6. Vedaniam Canal	913	917	✓ 4

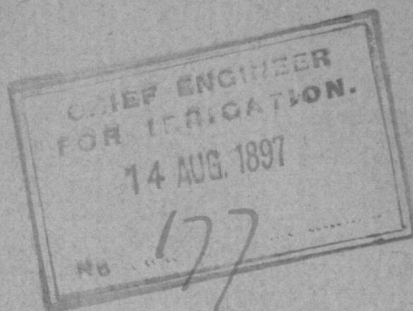
3. This office is unable to explain the reason for the above differences, which, as in former years, may be reconciled in communication with the Superintending Engineers.

W/14.8.97

6.

Atul.

14.8.97



EXAMINER,
P. W. ACCOUNTS.

29 JUL 1897

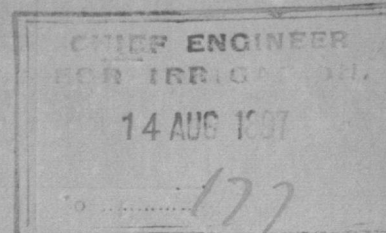
No.

No. 647 L., 5TH AUGUST 1896.

Pratt

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

FORM 1. Comparison of the							Traffic crossing the boundary between (a) and (b).		
—	Demands.		Collections during the current year.	Balance uncollected.	Previous year.		Nature of cargo.	Tonnage.	
	Balance from last year.	For current year.			De-mands.	Collections.		From (a) to (b) (ex-ports).	Into (b) from (a) (im-ports).
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 manu- factured ..	..	..
							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 manu- factured ..	..	..
							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 ..			405	405		470			
Ground rent ..			94	94		104			
Miscellaneous ..			65	65		165			

the Navigable Canals for the year 189~~7~~-98.

[illegible]

No. 647 I., 5th August 1896.

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.			De-mands.	Collections.		Tonnage.	
								From (a) to (b) (ex-ports).	Into (b) from (a) (im-ports).
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 ..	..	..
		477	477		739	739	Grand Total, Boat and Raft Traffic ..	..	..
		564	564				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	..	..
							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	..	..
							31. Bamboos	..	..
							32. Reeds	..	..
							Total, Raft Traffic ..	..	..
							Grand Total, Boat and Raft Traffic ..	..	..
							KISTNA CANALS.		
							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	..	..
							Tollage.		
							Private boats	20046	20040
							Government boats	1313	1313
							Rafts	1352	1352

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.
5 6	6 7	5 6	6 7	5 6	6 7	5 6	6 7	5 6	6 7	5 6	6 7
11	12	13	14	15	16	17	18	19	20	21	22
								RS.	RS.		
	121	7256	4672	7256	4798	14512	9602	489170	157732	..	..
648	1049	8443	6273	9091	7322	17612	14036	636185	350827	160	115
										147	160
539	593	581	494	1120	1087	15847	16191	602030	1250185	..	..
71	70	17	6	88	76	1136	543	182750	116300	..	..
63	55	140	447	203	502	4642	5724	71700	450600	..	..
2336	49298	33095	37447	70743	86745	1985386	2252529	2411335	2860914	..	..
85	160	104	259	189	417	4356	9684	479946	537412	..	..
422	254	390	663	812	917	23373	24481	324800	348120	..	..
1066	863	490	648	1556	1511	39353	37689	201775	191235	..	..
982	950	1395	453	2377	1403	73146	43631	356550	191235	..	..
13439	10242	16859	23699	30298	33841	853319	976128	1514900	1655806	..	..
9860	9314	4750	5655	14610	14966	365110	463239	1461000	1517246	..	..
5266	9453	1852	2217	7118	11710	193076	391284	569440	863399	..	..
176	123	157	159	333	242	5368	4507	333000	282000	..	..
4721	2704	14639	6223	19360	8927	474614	172962	1254022	583160	..	..
3343	2020	3677	7710	7020	9730	201487	231150	2106150	103174	..	..
24059	13913	67005	66611	91064	74524	2209631	1551920	128450	128450	..	..
8913	12597	7126	10740	16039	23337	429208	582957	1601398	976832	..	..
732	666	2933	3253	3665	3949	123821	145905	293200	315920	..	..
2739	3393	1975	1522	4714	4415	110030	106643	28281	29490	..	..
726	168	6959	9443	7685	9611	197665	316332	158700	192220	..	..
13	7	426	93	439	100	9766	1478	5268	1200	..	..
2	7	16	40	18	43	9766	56	2100	5160	..	..
16	15	46	20	62	35	648	40	5346100	3019352	..	..
117217	119746	171893	179952	289110	299698	7535231	7622288	19571095	18675667	256612	241150
										241150	241150
718	500	11244	16099	11962	16599	244319	341429	897150	1244957	..	..
788	487	8963	5086	9751	5573	175975	106612	780100	445887	..	..
126	2	14	2	140	4	1885	26	22400	640	..	..
51	20	85	85	85	595	595	12750	12750	145860	..	..
415	446	7173	6707	7588	7153	169034	144909	303520	286120	..	..
596	859	37561	38869	38157	39728	3550814	3607157	763140	794560	..	..
2699	2314	67087	69174	69786	71488	4158056	4221827	2898898	2918024	..	..
119916	122060	238981	249126	358896	371166	11693287	11844115	22477993	21593691	241150	228112
										241150	241150
956	848	1197	546	2153	1394	155991	115412	1312220	1007153	..	..
8	3	4	23	12	26	1031	657	26325	39250	..	..
608	381	818	508	1426	889	79027	55798	427800	266700	..	..
41021	12825	38180	19442	79201	32267	4944911	1820430	2668060	1130280	..	..
3783	4744	4239	7230	8022	11974	385405	802491	403100	598200	..	..
30	59	19	29	49	88	1843	1508	39200	56000	..	..
172	58	211	109	383	167	18588	8798	153200	66800	..	..
2292	2067	1572	1332	3864	3399	245768	247832	772800	679877	..	..

Up traffic.	Down traffic.	Total tonnage both ways.	Ton mileage.	Value of goods.	Number of passengers.
-------------	---------------	-----------------------------	--------------	-----------------	--------------------------

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.
5 6	6 7	6 6	6 7	5 6	6 7	5 6	6 7	5 6	6 7	6 6	6 7
11	12	13	14	15	16	17	18	19	20	21	22
							3052,926	RS.	RS.		
2,441	1,166	2067	1050	4,508	2,216	285,975	1,343,64	675,750	257,070	..	..
539	597	1,863	8627	19,502	9,224	7,226,14	3,900,75	9,75,100	4,61,200	..	..
5979	5273	4973	4,517	10,952	9,790	5,79,006	5,04,024	10,95,200	9,58,210	..	..
15,529	13,025	1,994	1,415	17,523	14,440	1,114,000	9,59,349	14,01,840	11,55,200	..	..
15	11	1	1	22	12	2,319	1,612	2,2600	1,17,680	..	..
1,568	1,060	738	494	2,306	1,554	9,66,21	59,745	1,55,987	6,19,300	..	..
586	299	3531	1,766	4,117	2,065	14,3923	89,902	12,35,100	1,45,392	..	..
4,638	5,996	5,3159	4,2432	5,7797	4,8428	2,47,9876	207,250	1,73,391	1,45,392	..	..
4,596	5,240	5,229	3,822	9,825	10,562	5,86,883	55,6456	13,97,615	1,37,892	..	..
2647	2,913	1,754	3,055	4,401	5,968	2,05,417	3,01,318	3,52,080	4,77,440	..	..
4,964	5,453	369	1,501	5,333	6,956	1,94,151	1,92,379	3,8676	1,39,206	..	..
5,189	6,246	1,631	2,774	4,820	9,020	2,66,811	3,60,267	1,34,687	1,83,000	..	..
994	1,362	3,3423	22,175	34,317	23,537	2,724,738	1,863,733	4,07,527	2,82,444	..	..
16	"	8	27	24	27	936	824	20,26,250	2,43,5676	..	..
98,471	69,628	174,086	124,375	272,557	194,003	1,623,4834	1,053,9224	15,89,2508	12,46,7870	117,887	123,212
1473	860	1829	1,633	3,302	2,493	1,45,181	1,55,890	2,47,600	1,86,955	..	..
327	535	390	205	717	740	38,449	49,553	56,560	30,720	..	..
38	"	"	"	38	"	1,140	"	1,520	"	..	..
1,545	1,056	2,803	2,061	3,848	3,117	1,90,394	1,46,808	76,960	67,080	..	..
3,383	2,451	4,522	3,899	7,905	6,350	375,164	352,251	3,82,640	2,84,755	..	..
101,854	72,079	178,608	128,274	280,462	200,353	1,560,9998	1,089,1475	1,62,75,148	1,27,52,625	123,212	97,143
2052	843	2,853	2,466	4,905	3,309	907,575	6,11,709	50,17,530	40,31,370	..	..
53,670	24,610	30	9	30	9	3,474	1,387	9,000	2,700	..	..
1865	6,672	138	64	2,003	2,497	804,1740	2,757,920	19,16,490	10,07,330	..	..
35	67	181	175	181	193	3,2656	3,11,18	72,400	70,000	..	..
147	193	3,683	3,586	3,830	3,779	6,49,690	6,38,966	7,66,000	4,55,800	..	..
75	78	4,109	1,843	4,184	1,921	7,64,043	3,38,813	6,27,600	2,88,150	..	..
3190	3,205	5	3,190	3,210	603,70	6,09,683	1,59,500	1,60,500	1,60,500	..	..
1,3864	12,672	1,557	2,572	1,5421	15,244	2,21,0936	2,05,8,568	15,42,100	15,21,400	..	..
98,391	5,9127	6	2	98,347	89,129	1,563,348	1,38,3057	78,67,760	71,30,320	..	..
339	449	126	120	4,65	569	48,376	50,717	4,7235	5,3185	..	..
96	63	28	14	124	77	20431	12,654	37,200	23,100	..	..
24,336	24,998	3813	8,171	28,149	33,169	85,4007	952,142	84,447	99,507	..	..
7,767	5735	5,416	7,991	13,183	13,726	1,59,4211	1,14,4448	6,48,4082	60,05,010	..	..
135	479	2,754	2236	2,889	2715	3,21,2235	3,38,732	2,25,720	1,97,880	..	..
75,593	62,045	10	4	7,3603	62,049	5,153,441	4,37,2037	4,41,618	3,72,294	..	..
26,847	18	88	108	88	126	8900	10,594	1,760	2,520	..	..
55	83,325	11	17	2,6858	33,342	5,22,6452	6,51,6325	3,22,796	4,00,104	..	..
92	"	1	4	55	96	9,568	17,205	6,600	11,520	..	..
306,407	264,471	24,891	29,754	331,298	294,225	28,375,467	23,272,363	25,754,88	22,551,590	98,825	101,262
										101,262	78,492

the Navigable Canals for the year 189~~5~~-9~~6~~-cont.

Up traffic.		Down traffic.		Total tonnage both ways.		Ton mileage.		Value of goods.		Number of passengers.	
1894-95. 5 6	1895-96. 6 7	1894-95. 5 6	1895-96. 6 7	1894-95. 5 6	1895-96. 6 7	1894-95. 5 6	1895-96. 6 7	1894-95. 5 6	1895-96. 6 7	1894-95. 5 6	1895-96. 6 7
11	12	13	14	15	16	17	18	19	20	21	22
								00	00		
	1	4	26	4	27			300	2025	..	..
		466	340	466	340			37,280	27,200	..	..
										..	..
										..	..
										..	..
										..	..
	27				27				540	..	..
										..	..
	28	470	366	470	394			37,580	29,765	..	..
306,407	264,499	25,361	30,120	331,768	294,619	283,754	232,736	257,970	225,813	101,622	78,492
										98,825	101,202
	1	351	308	351	309	29,250	28,989	137,740	162,230	..	..
										..	..
5	2			5	2	392	163	310	260	..	..
75	19	89	182	164	201	13,918	21,017	14,849	12,809	..	..
										..	..
										..	..
41		203	36	244	36	26,768	4,810	24,180	3,110	..	..
51	28			51	28	3,598	1,456	3,730	2,400	..	..
	2				2		280		250	..	..
211	500	91	255	302	755	31,007	80,595	28,683	67,609	..	..
54	267	383	113	417	380	38,259	51,895	136,331	70,010	..	..
38			1	38	1	2880	42	3,270	60	..	..
27	150	118		145	150	1856	4,500	870	1050	..	..
10				10		710		200		..	..
										..	..
										..	..
512	969	1215	895	1727	1864	148,638	193,747	351,563	319,788	98,333	88,366
800	790			800	790	24,000	23,700	128,452	128,400	..	..
										..	..
										..	..
										..	..
										..	..
7334	3732			7334	3732	220,020	248,770	525,452	264,970	..	..
496	490			495	490	14,850	14,700	34,046	34,000	..	..

No. 647 I., 5th August 1896.

FORM II.—For all the Navigable Canals of the Madras Presidency.
SUMMARY of Comparative Returns of Traffic on the Chilka Lake, Dumagudem, Gódvári, Kistna, Buckingham, Kurnool-Cuddapah and Védramniyam Canals for the year 1896-97.

Canals.	Demands.		Collections.		Total tonnage up and down.		Ton mileage.		Value of goods.		Number of passengers.		
	1896-97.	1897-98.	1896-97.	1897-98.	1896-97.	1897-98.	1896-97.	1897-98.	1896-97.	1897-98.	1896-97.	1897-98.	1898-99.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Chilka Lake canal	739	564	739	564	15303	7537	111,625	52882	1029600	320051	2904	226	
Dumagudem canal	87042	87042	87042	87042	4091	7322	17,612	14036	636185	350827	241150	115	
Gódvári canals	37061	37061	37061	37061	280462	200353	1163287	1184415	2471793	2154364	241150	228112	
Kistna canal	108382	108382	108382	108382	331768	204619	2855167	1687475	16275148	12752625	123212	97443	
Buckingham canal	1302	1302	1302	1302	1422	1864	248658	2327363	2527708	22681355	101262	78425	
Kurnool-Cuddapah canal	1136	917	1136	917	9370	5722	280800	315370	784840	433670	33	38	
Védramniyam canal	235962	246649	235962	235962	1006617	888603	5623742	46563988	67302397	58392097	468721	404124	
Total													

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 syringes who rarely have any "manifests."

23rd July 1896.

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

W. H. H. H.
Chief Engineer for Irrigation

D. I. Form No. 22—2,000—8-8-96.

EXAMINER,
P. W. ACCOUNTS.
29 JUL. 1897

CHIEF ENGINEER
FOR IRRIGATION.
14 AUG. 1897
No. 177

KEEP-WITH.

No. , dated

189 .

GOVT.
OF MADRAS.

1897.

{ P. W.
DEPT.

CHIEF ENGINEER FOR IRRIGATION.

Madras, 27 July 1897.

OFFICE NOTE No. 217

Circulation Register.

To	From	Despatch Date.	Receipt Date.
C	E.I.		

Please have the figures re-
-presenting receipts in the acc-
-panying traffic statement for
1896-97 verified in your office &
retransmit as soon as possible
for submission to Govt.

for E.I.
27/7/97

27 July 78

43

OWS.2
857/57