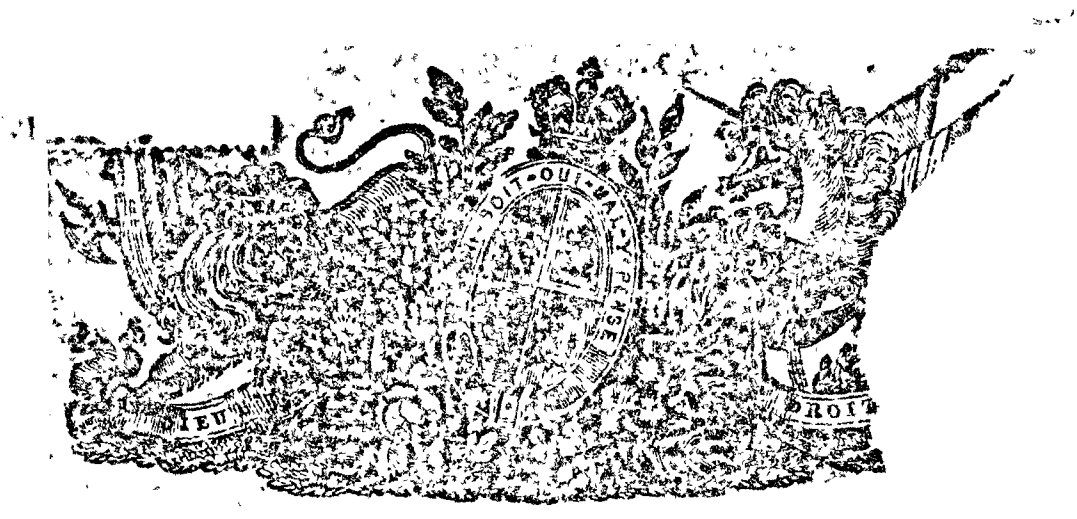


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# ADMINISTRATION REPORT

OF THE

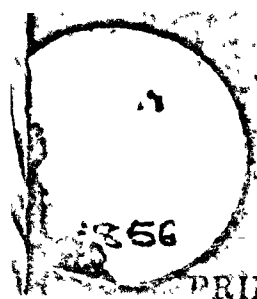
PUBLIC WORKS DEPARTMENT,

(IRRIGATION)

BOMBAY PRESIDENCY,

FOR THE YEAR

1893-94.



PRINTED AT THE GOVERNMENT CENTRAL PRESS.

1894.



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# ADMINISTRATION REPORT OF MILITARY WORKS

OF THE

PUBLIC WORKS DEPARTMENT,

(GENERAL BRANCH),

BOMBAY PRESIDENCY,

FOR THE YEAR

1893-94.



## APPENDIX A.

Statement showing the entire Expenditure incurred during the financial year 1893-94 on Irrigation Works, Repairs and Establishment, in the Province of Sind.

Service.	Works.	Repairs.	Total.
	Rs.	Rs.	Rs.
<b>PRODUCTIVE PUBLIC WORKS.</b>			
<b>MAJOR WORKS.</b>			
<b>49.—Capital Account.</b>			
Works ... ..	4,03,862	.....	4,03,862
Establishment ... ..	.....	.. ..	82,309
Tools and Plant ... ..	.....	.....	3,989
<b>Total ..</b>	<b>4,03,862</b>	<b>.....</b>	<b>4,90,160</b>
<b>42.—Revenue Account.</b>			
Extensions and Improvements... ..	4,460	.....	4,460
Maintenance and Repairs ... ..	.....	1,83,452	1,83,452
Establishment ... ..	.....	.....	31,212
Tools and Plant ... ..	.....	.....	506
Refunds of Revenue ... ..	.....	.....	4,376
<b>Total ...</b>	<b>4,460</b>	<b>1,83,452</b>	<b>2,24,006</b>
<b>43.—IRRIGATION MINOR WORKS AND NAVIGATION.</b>			
<b>WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.</b>			
<b>Capital Account.</b>			
Works... ..	37,548	.....	37,548
Establishment ... ..	.....	.....	7,306
Tools and Plant ... ..	.....	.....	514
<b>Total ...</b>	<b>37,548</b>	<b>.....</b>	<b>45,368</b>
<b>Revenue Account.</b>			
Extensions and Improvements ... ..	29,329	.....	29,329
Maintenance and Repairs ... ..	.....	2,65,038	2,65,038
Establishment ... ..	.....	.....	1,90,071
Tools and Plant ... ..	.....	.....	1,692
Refunds of Revenue ... ..	.....	.....	1
<b>Total ...</b>	<b>29,329</b>	<b>2,65,038</b>	<b>3,96,131</b>
<b>WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.</b>			
<b>Revenue.</b>			
Extensions and Improvements ... ..	2,09,218	.....	2,09,218
Maintenance and Repairs ... ..	.....	4,55,667	4,55,667
Establishment ... ..	.....	.....	1,62,044
Tools and Plant ... ..	.....	.....	3,408
Refunds of Revenue ... ..	.....	.....	10
<b>Total ...</b>	<b>2,09,218</b>	<b>4,55,667</b>	<b>8,30,347</b>
<b>WORKS FOR WHICH NEITHER CAPITAL NOR REVENUE ACCOUNTS ARE KEPT.</b>			
Works and Surveys ... ..	47,179	.....	47,179
Maintenance and Repairs ... ..	.....	1,60,761	1,60,761
Establishment ... ..	.....	.....	70,992
Tools and Plant ... ..	.....	.....	9,986
<b>Total ...</b>	<b>47,179</b>	<b>1,60,761</b>	<b>2,88,918</b>
<b>DEPOSITS.</b>			
<b>Contributions, Ordinary.</b>			
Works ... ..	655	.....	655
Repairs ... ..	.....	1,518	1,518
Establishment ... ..	.....	.....	27
Tools and Plant ... ..	.....	.....	.....
<b>Total ...</b>	<b>655</b>	<b>1,518</b>	<b>2,200</b>
<b>Total under all Heads ...</b>	<b>.....</b>	<b>.....</b>	<b>22,77,130</b>

Note.—Expenditure exclusive of Establishment and Tools and Plant ... .. Rs. 18,03,074  
 Cost of Establishment and Tools and Plant ... .. ,, 4,74,056  
 Percentage of Establishment and Tools and Plant on Outlay ... .. ,, 26.29

Statement showing in detail Expenditure incurred on Works (Repairs) and Establish

Names of Canals.	CLEARANCE PROPER IN CANALS.		Jungle cuttings.	Removing Teodas.	IMPROVING CANAL HEADS.		SIDE SLOPING AND REPAIRING CURVES.		Buildings and Gardens.	Regulators, Bridges and Sluices.	REPAIRS TO CANAL BANKS.		Removing Topsoil and Reopening path.
	Cubic feet.	Cost.			Cubic feet.	Cost.	Cubic feet.	Cost.			Cubic feet.	Cost.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.	Rs.	Rs.		Rs.		Rs.	Rs.	Rs.		Rs.	Rs.
Desert Canal ...	8,405,655	53,318	879	460	...	...	...	...	890	418	324,806	1,557	...
Unarwah ...	456,996	1,963	316	...	...	...	...	...	78	86	27,396	169	...
Begari Canal ...	1,892,890	9,190	1,239	190	...	...	...	...	208	2,047	601,011	3,377	...
Kashmor Bund ...	147,677	1,267	1,270	...	...	...	...	...	1,654	849	128,067	676	...
Canals in Rohri ...	2,492,603	12,902	168	935	1,849,020	9,974	...	...	465	93	918,321	4,934	...
Sund Canal and Bund ...	815,773	3,760	2	354	...	...	24,227	12	60	265	162,129	801	146
Sukkur-Begari Bund ...	...	...	439	...	...	...	...	...	159	203	...	...	...
Kasimpur Bund ...	...	...	110	...	...	...	...	...	130	300	...	...	...
Ghar Canal ...	6,180,688	28,639	2,096	2,779	...	...	22,302	112	906	1,173	2,142,562	8,651	...
Sukkur Canal ...	767,419	4,740	671	715	...	...	...	...	1,589	3,113	95,691	488	...
Ghar Bunds ...	...	...	421	...	...	...	...	...	3	208	...	...	...
Western Nara ...	3,803,638	14,663	668	1,273	...	...	...	...	2,150	814	8,015,228	12,072	269
Pritchard Canal ...	1,700,799	4,854	283	318	...	...	...	...	230	...	1,179,745	3,865	24
Dadu Canals ...	1,596,869	5,888	221	153	...	...	...	...	170	...	188,241	793	60
Phitta Canal ...	191,882	713	56	43	...	...	1,736	6	...	...	18,732	89	14
Marvi Wah ...	146,180	551	100	242	...	...	...	...	...	...	14,371	61	...
Wahur Wah ...	125,120	500	17	...	...	...	...	...	...	...	...	...	...
Nara Bunds ...	...	...	158	...	...	...	...	80	...	...	...	...	...
Nara Supply Channel ...	...	...	...	...	...	...	...	...	...	86	39,091	205	...
Eastern Nara ...	1,509,993	5,850	370	93	...	...	...	...	98	8,320	228,670	914	...
Mithrao Canal ...	1,428,757	5,903	4,532	41	...	...	...	...	1,417	6,531	865,736	1,637	...
Dijwah ...	Weeds.	334	205	...	...	...	...	...	...	3	...	...	...
Soranwah ...	360,057	1,125	...	...	...	...	...	...	...	...	...	...	...
Krupra Canal ...	Weeds.	547	318	...	...	...	...	...	46	...	175,752	674	...
Par Canal ...	Weeds.	507	1,833	480	...	...	49,707	137	580	2,105	130,276	436	...
Mohrabwah ...	1,497,655	5,331	141	102	...	...	...	...	...	57	136,799	637	33
Nasrat ...	1,211,704	4,262	149	831	...	...	...	...	596	...	578,741	2,418	...
Naolakhi ...	2,602,978	8,297	656	533	...	...	...	...	3	...	313,247	1,248	...
Dambro ...	788,540	3,025	305	116	...	...	...	...	...	...	60,486	242	...
Dad ...	821,085	4,727	522	969	...	...	...	...	524	...	748,093	2,815	...
Renwah ...	1,496,171	6,181	516	910	...	...	...	...	...	37	190,046	780	...
Alibhar Kacheri ...	531,502	1,934	132	487	...	...	...	...	...	...	56,991	108	...
Marak ...	2,108,502	10,702	354	907	6,391	30	...	...	...	...	314,457	1,347	...
Ghoro Mahmuda ...	5,748,014	19,466	630	1,772	...	...	...	...	...	...	388,631	1,459	124
Kari Shumali ...	2,202,181	9,791	1,299	2,178	...	...	...	...	...	...	4,309	25	...
Nasirwah ...	1,182,349	5,128	302	176	...	...	...	...	...	...	39,471	135	34
Sarfrazwah ...	1,193,898	4,791	297	1,101	...	...	...	...	...	...	282,151	1,185	...
Other Canals ...	2,812,385	9,760	341	194	4,746	15	...	...	...	...	42,056	150	...
Fuleli Canal ...	27,359,319	99,631	4,790	3,207	...	...	82,119	320	1,507	1,736	2,411,316	9,434	2,727
Other Canals ...	1,902,859	6,182	43	622	...	...	...	...	...	496	...	...	...
Other Canals north of Kotri ...	1,220,308	4,155	11	116	...	...	...	...	...	...	24,271	84	...
Shal ...	206,534	672	10	...	...	...	381	11	...	191	101,660	285	...
Other Canals—Tata, Sakro.	595,302	1,824	33	58	...	...	5,860	21	...	51	407,336	1,354	...
Ghorabari ...	900,439	2,416	73	260	...	...	...	...	...	56	670,584	1,973	...
Kalri ...	605,539	1,906	22	162	...	...	34,913	120	548	...	3,316,165	4,160	...
Baghar ...	150,637	369	3	...	...	...	4,648	16	...	...	...	...	...
Ochita ...	188,865	548	107	164	261,453	728	13,658	46	...	...	210,949	648	...
Other Canals—Mirpur Batoro.	1,050,837	3,148	680	43	...	...	4,240	12	1,916	2,376	4,133,405	13,577	...
Pinyari ...	226,686	494	66	39	...	...	...	...	...	...	354,374	996	...
Other Canals—Sujawal	94,000	91	...	...	...	...	...	...	...	...	350,696	883	...
Do. Jati ...	217,680	571	63	...	...	...	...	...	...	...	90,796	307	...
Satah ...	16,000	34	26	...	...	...	...	...	...	...	358,391	1,010	...
Other Canals—Shahbandar ...	1,046,630	2,377	64	...	...	...	...	...	...	...	766,191	1,179	...
Kantah ...	203,000	500	48	65	151,228	476	...	...	...	...	185,589	522	...
Kokawari ...	...	...	379	...	...	...	...	...	...	4,704	...	...	...
Bunds Right Bank ...	...	...	882	...	...	...	...	...	...	3,836	...	...	...
Do. Left do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Begari Canals ...	10,903,218	65,738	3,704	659	...	...	...	...	2,828	3,400	...	5,669	...
Shikarpur Canals ...	3,308,376	16,662	719	1,289	1,849,020	9,974	24,227	12	1,219	86	1,070,120	6,735	146
Ghar Canals ...	6,948,107	33,379	3,188	3,494	...	...	22,302	112	2,497	4,491	2,237,853	9,139	351
Western Nara ...	6,964,488	26,869	1,503	2,029	...	...	1,736	86	2,550	514	4,410,876	16,751	351
Eastern Nara ...	3,920,758	15,567	720	675	...	...	49,701	137	2,125	17,001	929,426	3,768	...
Hyderabad Canals ...	24,196,931	93,988	5,665	10,271	11,131	45	...	...	1,120	619	3,149,476	12,524	191
Fuleli Canals ...	29,632,117	1,05,814	5,227	3,329	...	...	82,119	329	1,507	2,231	2,411,316	9,434	2,727
Karachi Canals ...	6,692,457	19,215	2,452	910	412,681	1,144	63,695	226	2,464	11,770	10,943,507	27,071	...
Grand Total	92,206,516	3,77,227	29,682	23,096	2,272,832	11,163	1,06,226	878	16,321	40,590	25,162,913	90,090	3,766

\* This expenditure was incurred on Eastern

B.

ment debitable to the Canal Clearance Grant in 1893-94 in the Province of Sind.

REPAIRS TO RIVER EMBANKMENTS.		IMPROVEMENT TO LOOPS, &c., RIVER EMBANKMENTS.		Protecting slopes of Embankments and Canals.	Miscellaneous.	Contingencies.	Advances.	Abkalmi Extraordinary Expenditure, closing breaches, &c.	Total Works.	ESTABLISHMENT.				Total Works and Establishment.	Remarks.
Cubic feet.	Cost.	Cubic feet.	Cost.							Rs.	Rs.	Rs.	Rs.		
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
420,601	2,103	...	...	...	335	1,368	...	1,805	63,142	2,299	1,568	1,341	5,208	68,350	
...	...	...	...	...	265	111	...	93	3,069	1,196	740	554	2,419	5,559	
1,882,092	9,227	...	2,810	...	645	422	...	495	17,813	2,710	2,150	1,476	6,336	24,149	
...	...	...	...	302	416	73	...	278	30,570	2,734	758	2,307	5,799	36,369	
246,107	1,418	...	...	...	...	...	...	...	1,478	316	43	84	443	1,921	
...	...	...	...	243	48	61	...	...	6,073	1,328	396	1,146	2,870	8,943	
102,124	760	11,134,114	60,511	44	54	127	...	...	62,296	4,767	270	765	5,842	68,098	
201,157	1,109	2,738,550	14,909	180	21	...	...	...	16,849	505	88	249	842	17,691	
...	...	...	...	...	7,614	196	...	...	52,166	3,408	1,361	4,084	8,853	61,019	
...	...	...	...	...	2,575	95	...	...	13,986	2,123	816	2,615	5,554	19,510	
710,267	3,275	...	...	...	447	2	...	...	4,356	2,659	325	994	3,978	8,334	
...	...	...	...	193	1,607	109	...	6,009	39,817	7,746	2,846	5,354	15,946	55,763	
...	...	...	...	...	456	19	...	3,829	13,898	...	...	...	...	13,898	
...	...	...	...	...	167	11	...	...	7,159	223	108	216	547	7,706	
...	...	...	...	...	150	1	...	177	1,099	298	109	308	715	1,814	
...	...	...	...	...	404	6	...	107	1,471	179	46	54	279	1,750	
...	...	...	...	...	...	57	...	43	617	124	20	57	201	818	
3,210,549	15,493	...	...	2,200	292	96	...	7,846	26,155	2,643	211	510	3,864	29,529	
...	...	...	...	126	102	...	...	...	469	438	171	509	1,118	1,587	
1,685,930	7,197	...	...	...	2,149	...	...	1,358	26,305	6,375	1,537	2,387	10,299	36,604	
...	...	...	...	...	1,701	...	...	480	22,143	3,545	1,263	3,349	8,157	30,300	
...	...	...	...	...	...	...	...	10	1,677	309	119	318	746	2,423	
...	...	...	...	...	78	...	...	...	78	...	...	...	...	78	
...	...	...	...	...	...	...	...	58	2,933	624	144	206	974	3,907	
...	...	...	...	...	407	...	...	11	6,496	1,586	793	1,615	3,994	10,490	
...	...	...	...	...	72	...	...	322	7,211	552	194	463	1,139	8,350	
...	...	...	...	...	88	...	...	418	8,753	475	297	680	1,352	10,105	
...	...	...	...	...	105	...	...	1,513	12,955	900	360	1,192	2,452	15,407	
...	...	...	...	...	22	...	...	10	3,723	430	194	661	1,285	5,008	
...	...	...	...	...	96	...	...	915	10,568	904	305	936	2,145	12,713	
...	...	...	...	...	293	...	...	20	8,753	705	275	1,028	2,008	10,761	
...	...	...	...	...	181	...	...	...	2,892	317	146	494	957	3,849	
...	...	...	...	...	311	...	...	241	13,886	932	455	1,597	3,034	16,920	
...	...	...	...	...	261	...	...	86	23,798	1,557	881	2,285	4,723	28,521	
...	...	...	...	...	160	...	...	42	13,495	855	463	1,450	2,768	16,263	
...	...	...	...	...	351	...	...	...	6,126	624	317	1,199	2,140	8,266	
...	...	...	...	...	191	...	...	196	7,762	680	288	960	1,928	9,690	
...	...	...	...	...	194	...	...	...	10,594	463	164	504	1,131	11,725	
...	...	...	...	833	1,888	209	...	2,140	1,28,431	5,747	3,002	9,311	18,090	1,46,521	
288,561	1,757	...	...	3,301	251	...	...	1,658	14,705	1,073	287	1,213	2,573	17,278	
...	...	...	...	...	127	...	...	...	4,482	204	65	234	503	4,985	
...	...	...	...	...	80	...	700	9	1,961	170	68	201	439	2,400	
...	...	...	...	...	272	...	750	223	4,591	225	84	193	502	5,093	
...	...	...	...	1	229	...	700	118	5,829	625	431	851	1,907	7,736	
...	...	...	...	...	357	...	230	224	7,829	1,658	613	944	3,215	11,044	
...	...	...	...	...	6	...	...	...	394	...	...	...	...	594	
...	...	...	...	...	123	...	...	160	2,519	367	97	244	708	3,227	
...	...	...	...	104	835	...	3,071	132	25,837	2,876	2,337	2,120	7,333	33,170	
...	...	...	...	...	82	...	...	15	1,799	120	27	94	241	2,040	
...	...	...	...	...	27	...	...	30	1,031	...	...	...	...	1,031	
...	...	...	...	...	139	...	...	16	1,058	215	75	213	502	1,560	
...	...	...	...	...	44	...	...	...	1,114	...	...	...	...	1,114	
...	...	...	...	...	74	...	...	...	3,699	281	111	398	790	4,489	
...	...	...	...	...	139	...	...	...	1,690	109	160	60	319	2,009	
11,418,429	14,398	1,987,960	3,941	...	2,070	...	1,850	1,686	28,327	2,447	800	1,563	4,810	33,157	
14,114,595	44,325	2,611,000	16,749	1,591	423	...	3,557	495	71,018	3,451	995	1,156	5,872	76,620	
...	11,330	...	2,810	...	3,063	2,609	...	5,933	1,07,743	18,153	4,833	4,454	27,430	1,35,173	
549,388	3,287	13,872,061	75,510	768	569	161	...	278	1,17,466	9,650	1,555	4,551	15,756	1,33,022	
710,267	3,975	...	...	...	10,636	293	...	...	70,508	8,190	2,502	7,633	18,385	88,893	
3,210,549	15,493	...	...	2,393	3,076	299	...	18,017	50,216	11,213	3,310	6,499	21,052	1,11,278	
1,685,930	7,97	...	...	126	4,437	...	...	1,917	60,101	12,877	4,027	8,384	25,288	85,389	
...	...	...	...	...	2,330	...	...	3,763	1,30,516	9,444	4,269	13,349	27,062	1,57,578	
288,561	1,757	...	...	4,134	2,139	209	...	3,798	1,43,136	6,880	3,289	10,554	20,663	1,63,799	
25,563,024	59,723	4,628,960	20,690	1,699	4,181	...	10,285	2,975	1,63,178	12,748	5,853	8,270	26,871	1,90,049	
32,007,422	1,01,062	18,501,824	99,010	9,120	30,431	3,671	10,285	56,675	8,82,674	89,080	29,673	63,754	1,82,507	10,65,181	

Nara, not River Indus embankments.

APPENDIX C.

Statement showing the Expenditure incurred on Work Establishment employed in the Deccan Districts during the year 1893-94, and the percentage it bears to the Outlay on Works and Repairs proper.

No.	Name of Sub-division or District.	OUTLAY ON						Total Contract and Departmental Columns 5 and 8.	COST OF WORK ESTABLISHMENT SANCTIONED BY			Percentage (column 12 bears to column 9).	REMARKS.
		By Contract.			By Departmental Agency.				Chief or Superintending Engineer.	Executive Engineer.	Total.		
		Original Works, including additions and alterations and improvements, and extensions.	Repairs.	Total.	Original Works, including additions and alterations and improvements, and extensions.	Repairs.	Total.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1	Mutha Canals ...	68,387	...	68,387	28,534	10,415	38,949	1,07,336	2,217	6,903	9,120	} 10-13	
2	Poona Water Supply...	...	...	...	...	9,051	9,051	9,051	611	2,061	2,672		
3	Nira Canal ...	66,589	...	66,589	26,207	16,475	42,682	1,09,271	2,574	9,255	11,829	10-82	
4	Other Poona Irrigation Works ...	5,735	...	5,735	2,070	1,518	3,588	9,323	555	1,791	2,346	25-26	
5	Sholapur Irrigation Works ...	...	...	...	13,442	14,234	27,676	27,676	1,405	1,073	2,478	8-95	
6	Ahmednagar Irrigation Works ...	...	...	...	293	4,393	4,100	4,100	541	2,192	2,733	66-65	
7	Násik Irrigation Works ...	1,456	...	1,456	5,457	2,964	8,421	9,877	...	1,134	1,134	11-48	
8	Khándesh Irrigation Works ...	...	...	...	21,999	9,147	31,146	31,146	1,988	2,743	4,731	15-00	
9	Hubli Water Works ...	...	...	...	81,693	71	81,764	81,764	460	1,830	2,290	2-80	
10	Dhárwár Irrigation Works ...	...	...	...	10,677	26,535	37,212	37,212	1,047	1,245	2,292	6-16	
	Total ...	1,42,167	...	1,42,167	1,89,786	94,803	2,84,589	4,26,756	11,398	30,227	41,625	9-75	

*Extract paragraphs 2—4 of letter No. 171, dated 23rd January 1894, from the Executive Engineer, Nira Canal, furnishing information concerning the run-off from the catchment of the Bhatghar Tank.*

2. The first important rise in the tank took place on the 18th June 1893, when 4 under-sluices were opened and remaining 11 sluices were opened on the 19th. They were closed again on the 12th August when the water-level was only 6.60 feet over the sill.

3. The tank filled in 23 days, and the water flowed over the weir on the 4th September. This flow continued until the morning of the 3rd November. The volume of the run-off from the catchment area, viz., 128 square miles is therefore, given by the sum of the three items :—

	Cubic feet.
(a) Volume passed through under-sluices during the monsoon from 18th June till 11th August, both included ... ..	28,181,493,776
(b) Volume of tank between 6.60 and 7.5 feet (crest of weir) (the deduction due to 6.6 feet at the bottom is negligible) ... ..	3,807,691,915
(c) Volume discharged from date of filling 4th September up to date of overflow ceasing 3rd November ... ..	6,198,399,061
Total ...	<u>38,187,584,752</u>

This figure gives a total run-off of  $10\frac{2}{3}$  feet on the catchment area, which is mostly subject to the heavy rainfall of the Gháts.

4. The only flood worth mentioning was a small one which on the 5th August attained its maximum height of 34.20 feet, while 14 under-sluices were open. There were no floods worth recording after the closure of the sluices.



Statement showing the Results of Run-off from Catchment Areas of Tanks in the Deccan for the year 1893.

District.	Name of Tank.	Year.	Area of Catchment, Square Miles.	Rainfall in Inches.	Supply due to Rainfall, millions of Cubic Feet.	Actual Run-off, millions of Cubic Feet.	Proportion of Run-off to Rainfall, Column 7 divided by Column 6.	REMARKS.
1	2	3	4	5	6	7	8	9
Khándesh ...	Mukti Tank ...	1893	34.2	8.88	705.54	84.42	.119	Rainfall from 17th June 1893 when the tank commenced filling to 2nd September 1893, when it reached its highest water-level for the year. The tank did not fill up to waste level in the year.
	Mhasva Tank ...	Do.	13.4	18.88	587.75	85.82	146	Tank was at its lowest water-level on 27th May 1893 and filled up to waste weir on 23th August 1893. Rainfall taken between these dates.
	Hartála Tank ...	Do.	6.8	23.23	366.98	89.24	.243	Tank at its lowest capacity on 14th June 1893 and filled up to overflowing on 23th August 1893. Rainfall taken between these dates.
Abmednagar ...	Bhatodi Tank ...	Do.	44.00	7.47	763.59	50.680	0.066	Rainfall from 23th May when there was first replenishment to 19th June when the tank filled up to crest of waste weir.
	Pársul Tank ...	Do.	17.75	11.19	461.43	73.69	159	Tank was at its lowest level on 29th May 1893 and filled up to overflowing on 26th June 1893. Rainfall taken between these dates.
Násik ...	Wághad Tank ...	Do.	29.00	56.73	3,822	3,675		Rainfall for 4 months from June to September. Tank filled on 18th June 1893. * The waste discharge from this tank being through a channel of irregular section, no reliable figures of discharge can be obtained. The proportion of run-off to rainfall in the calculation of which the waste discharge is in this case a prime factor cannot therefore be at all accurate. The proportion as calculated is 0.96, but this figure must be taken merely for purposes of comparison with recorded proportions in other years which were based on similar calculations.

Poona ...	...	Shirsuphal Tank ...	Do. ...	23.5	10.83	591.26	313.21	.529	} Rainfall from 1st June 1893 to 31st October 1893. The tanks did not overflow this year.
		Bhádálwádi Tank ...	Do. ...	23.0	10.48	559.98	183.48	.327	
Sholápur ...	...	Mhasvad Tank ...	Do. ...	480.00	16.77	18,700.83	1,445.99	0.077	Rainfall from June to October 1893. The tank filled on 24th July 1893, the run-off to that date being 0.131.
		Ekruk Tank ...	Do. ...	159.00	29.22	10,793.54	2,121.02	0.196	Rainfall from June to October 1893. The tank filled on 12th October, the run-off to that date being 0.19.
		Ashti Tank ...	Do. ...	92.00	22.35	4,776.96	842.13	0.176	Rainfall from June to October 1893. The cut in the waste weir overflowed on 16th June, the run-off to that date being 0.79.
		Koregaon Tank ...	Do. ...	4.40	18.50	189.10	74.80	0.396	Rainfall from June to October 1893. The tank filled on the 9th October, the run-off to that date being 0.458.
Belgaum ...	...	Gokák Canal Storage Reservoir.	Do. ...	1,080	21.46	53,844	98,617	...	Rainfall from 1st June to end of October 1893. The rainfall was gauged at the weir. The river has a ghat catchment and the rainfall at its source is much heavier than at the weir. The actual run-off gauged at 39 inches is nearly twice the rainfall gauged at the weir.
Dhárwár ...	...	Asundi ...	Do. ...	23	19.42	1,037.680	91.966	0.089	Rainfall from 1st June to end of October 1893. The tank did not fill.
		Medleri ...	Do. ...	11	12.50	319.440	42.863	0.134	Do. do.
		Dámbal ...	Do. ...	43	17.88	1,786.169	160.008	0.09	Do. Tank overflowed from 10th to 12th June 1893 and run-off is 0.008.
Bijápur ...	..	Muchkundi Tank ...	Do. ...	26	19.50	1,177.862	247.777	0.210	Rainfall from 1st June to end of October. The tank did not fill.
Sátára ...	...	Nehr Tank ...	Do. ...	59.50	21.53	2,976.10	730.00	0.245	The run-off is calculated from 1st June to 6th October. The tank filled on the latter date.
		Maini ...	Do. ...	59.50	25.69	3,551.14	860.00	0.242	The run-off is calculated from 1st June to 31st October 1893.
			Do. ...	54.00	15.41	1,933.23	219.41	0.113	Do. do.