

CB 44792

ADMINISTRATION REPORT
OF THE
PUBLIC WORKS DEPARTMENT MADE
GENERAL AND BUILDINGS AND ROAD
~~AND BUILDINGS AND ROAD~~
FOR THE YEAR 1903-1904



ADMINISTRATION REPORT

OF THE

PUBLIC WORKS DEPARTMENT

(GENERAL AND BUILDINGS AND ROADS),

MADRAS PRESIDENCY

FOR THE YEAR

1903-1904.

MADRAS:

PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1904.

ADMINISTRATION REPORT
OF THE
PUBLIC WORKS DEPARTMENT, MADRAS
(GENERAL AND BUILDINGS AND ROADS)

FOR THE YEAR 1903-1904.

Direction.—Mr. W. B. deWinton, C.I.E., continued in the office of Chief Engineer and Secretary to Government, Public Works Department.

2. *Territorial Charges.*—(1) The Public Works Stores and Workshops, Madras, held for some time by the Consulting Architect, were replaced under the control of the Superintending Engineer of the V Circle.

(2) For the repair of damages caused by the overflow of the Kistna river a special sub-division was formed for a limited period.

(3) Portions of the Mannargudi taluk were transferred to the Tiruthuraipundi and Mannargudi sub-divisions of the Negapatam division.

(4) The portion of the Wynaad taluk belonging to the Nilgiri district was transferred from the West Coast division to the Nilgiri sub-division.

(5) A special sub-division for the conservancy of the river Coleroon was formed under the Executive Engineer, Tanjore division.

(6) The Lighthouse division was closed as a separate charge from the 31st December 1903, construction operations having been suspended.

3. *Grants and outlay.*—The following statement shows the grants and expenditure under the direct control of the Chief Engineer, Public Works Department:—

Funds and Financial Heads.	Original grant.	Revised grant.	Actual expenditure.
1	2	3	4
	RS.	RS.	RS.
Imperial Military Works	71,000	79,464	78,426
Do. Civil Works	28,000	71,364	66,224
Provincial do.	33,96,000	31,48,289	30,79,461
Local Incorporated funds	63,000	41,417	41,203
Local Excluded funds	1,10,044	74,618	66,764
Total	36,68,044	34,14,987	36,32,068
Famine Relief works	..	..	..
Contribution works	..	..	2,31,638
Grand Total	36,68,044	34,14,987	36,63,696

4. The distribution of the expenditure under departmental heads is given in Appendix A.

5. *Works.*—The following statement shows the number of works completed, or in progress during the year, and the number still required in each circle:—

செப்பனிருவர் பெயர்
செப்பனிருவதுகாசு எடுத்தல்
செப்பனிருபு நாள்
செப்பனிரு முடித்த நாள்
சுரமாரக்கும் குறியுச்சு
மு.பா.எ. உதயசு
கையொப்பம். கையொப்பம்.

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ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT

(GENERAL AND BUILDINGS AND ROADS).

STATEMENT of works completed, or in progress during the year, and the number still required in each circle.

Public Works Department																							
I Circle.			II Circle.			III Circle.			IV Circle.			V Circle.			VI Circle.			Consulting Architect's Division.			Total.		
Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	Number completed or in progress in previous years.	Number completed or in progress in year under review.	Number still required.	
Post and Telegraph offices	1	26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Observatories and Meteorological buildings	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Forest offices	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
San Customs offices	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Collectors' offices	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sub and Head Assistant Collectors' offices	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Collectors' offices	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Deputy Collectors' offices	1	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Deputy Tahsildars and Sub-Magistrates' offices	1	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tahsildars' offices	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Lyts' sheds	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Government Press	1	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Schools and Colleges	1	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Churches and Cemeteries	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Courts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sub-Courts	1	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Magistrate's Courts	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Central Jails	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District Jails	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sub-Jails	1	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Police offices	1	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Police hospitals	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Police lines	1	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Police stations	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Medical	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Registrars' offices	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sub-Registrars' offices	1	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Residences or quarters	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Inspection bungalows and Rest-houses	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Public Works Department offices, etc.	1	33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Store sheds	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Survey office	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Lighthouses	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total	82	286	40	27	144	69	32	217	33	39	71	30	196	25	16	274	37	86	102	267	1,986	288	

6. The following works are selected for special mention :—

(1) *Buildings*.—The Collector's office at Cocanada was housed in a building more than a hundred years old, and a new building having been found necessary, the foundation stone was laid in December 1903 with some ceremony by His Excellency the Governor Lord Amphill.

(2) The construction of a weaving shed in the Central Jail at Coimbatore, undertaken at a cost of Rs. 80,000, was in progress.

(3) The Madrasa-i-azam and the Branch Press at Ootacamund were completed.

(4) A building to house the Photospectro Heliograph at Kodaikanal was approaching completion.

(5) The Vaccine section of the King Institute of Preventive Medicine at Guindy was completed and the Bacteriological laboratory was almost finished.

(6) *Roads and Bridges*.—The portion of the road from Koraput to Jeypore in the Vizagapatam agency tracts was taken over from the civil department. Nine iron bridges were sanctioned to replace old wooden structures, and of the former, six were opened for traffic.

(7) The restoration of the bridge over the Bhavani at Mettupalaiyam (estimate Rs. 30,000) was in active progress.

(8) The Anamalai ghât road was completely restored and reopened for traffic in July 1903.

(9) The foundations for a bridge over the Palar were commenced.

(10) The improvements to the Tellicherry-Coorg road, estimated to cost Rs. 3,77,800, were in progress, the total expenditure during the year having been Rs. 1,00,451.

(11) The remetalling of the Calicut-Mysore frontier road was practically completed.

(12) Work on the Pallapoliem-Chinnar road was in progress.

(13) The feeder roads on the Shevaroy to connect the planting districts with the ghât road to Salem were commenced.

(14) *Archæological works*.—The protective work to the Asoka rock inscription at Pandya near Purushottapur in the Ganjam district was carried out satisfactorily.

(15) The rock cut caves at Guntupalli in the Gôdâvari district were cleared of vegetation, and the only improvement still required was an application of water glass to the decaying surface of the rock.

(16) *Electric Installations*.—Electric light installations at the Government Press and the General Hospital, Madras, were completed.

(17) *Water-supply works*.—In order to provide a water-supply for the town of Salem, the adjacent valleys were investigated in detail, and a scheme was prepared for building an anicut across the Periyâr stream and a bund across the Varattar to form a reservoir.

(18) The Tuticorin water-supply works were in progress.

(19) The Tiger Hill Reservoir at Ootacamund was completed and handed over to the Municipality.

(20) *Use of ferro-concrete*.—For the first time in the history of the Madras Public Works Department, ferro-concrete for the platforms of culverts and bridges was employed. Two culverts on the Anamalai Ghât road, a bridge 14 feet span in Sim's Park, Coonoor, and a culvert on the Yercaud Ghât road, were floored with this material. All the bridges on the Pallapoliem-Chinnar road are to be similarly floored. The material is also being tried for sheet piling on the Palar anicut. The results of these trials are being awaited with much interest.

7. *Workshops*.—The value of the outturn of work in the Presidency Public Works Workshops was Rs. 3,43,884 against Rs. 2,91,110 in the previous year, the corresponding figures for the Dowlaishwaram Workshops having been Rs. 1,17,852 and Rs. 1,22,226, respectively.

The Dowlaishwaram Workshops were reorganised and the stores thoroughly overhauled and counted.

8. *General*.—The rainfall of the year was abnormal, and much impeded the operations of the department.

APPENDIX A.

STATEMENT showing grant and outlay during 1903-1904 under all heads of Buildings and Roads Branch, Madras Presidency.

Service head.	Original works.		Repairs.		Total.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
IMPERIAL.	RS.	RS.	RS.	RS.	RS.	RS.
44. Military Works.						
Works	15,849	12,559	46,562	50,531	62,802	63,090
Establishment	..	..	..	..	13,177	12,056
Tools and plant	..	..	..	..	838	765
Barack Department--						
New supplies	..	..	..	..	1,182	1,137
Repairs	..	..	..	..	1,226	1,265
Establishment	..	..	..	..	239	235
Defunct Expenditure in England	..	..	..	..	..	112
Total, Military Works	..	..	..	..	79,464	78,426
45. Civil Works.						
Works .. { Civil buildings	57,159	31,697	20,477	18,758	57,636	53,455
Communications	..	..	..	..	..	..
Miscellaneous Public Improvements	..	..	..	..	..	..
Establishment	..	..	..	..	12,837	11,997
Tools and plant	..	..	..	..	831	772
Total, Civil Works	..	..	..	..	71,304	66,224
Total, Imperial	..	..	..	..	1,50,768	1,44,650
PROVINCIAL.						
45. Civil Works.						
Civil buildings	16,74,176	16,69,646	3,89,688	4,06,577	20,63,864	20,16,225
Communications	2,41,569	2,08,542	2,43,832	2,40,169	4,85,401	4,48,711
Miscellaneous Public Improvements	1,92,730	1,93,237	23,317	18,171	2,16,047	2,11,408
Establishment	..	..	..	..	3,59,778	4,49,459
Tools and plant	..	..	..	..	83,199	27,077
Expense accounts	..	..	..	..	60,000	73,408
Total, Civil Works	..	..	..	..	31,48,289	30,79,461
45 Civil Works, Incorporated Local Funds	..	..	..	..	41,417	41,203
Excluded Local Funds	..	..	..	..	74,513	69,754
Total, Local Funds	..	..	..	..	1,15,930	1,07,957
CONTRIBUTIONS.						
Military Works, Imperial	..	..	..	..	..	6,325
Civil Works .. { Provincial	..	..	..	..	..	2,20,833
Excluded Local	..	..	..	..	..	14,580
Total, Contributions	..	..	..	..	..	2,31,538
Grand Total	..	..	..	..	..	35,63,606

NOTE.—Figures entered in column 6 represent final grants.

APPENDIX B.

STATEMENT showing the length of Road Communications maintained by Public authorities in Madras during 1903-1904.

Name of Division.	Name of District.	Length of metalled roads maintained by the Public Works Department.	Length of unmetalled roads maintained by the Public Works Department.	Length of metalled roads maintained by local authorities.	Length of unmetalled roads maintained by local authorities.	Total of metalled roads.	Total of unmetalled roads.
1	2	3	4	5	6	7	8
		MLS.	MLS.	MLS.	MLS.	MLS.	MLS.
Ganjām	Ganjām	..	..	786	2	786	2
Vizagapatam	Vizagapatam	64	..	846	..	910	..
Gōdāvari Eastern	Gōdāvari	5	..	920	355	925	355
Kistna (Northern, Eastern and Western).	Kistna	..	22	723	429	723	451
Nellore	Nellore	..	..	1,021	137	1,021	137
Anantapur	Anantapur	..	..	251	608	251	608
Bellary	Bellary	..	..	1,035	..	1,035	..
Cuddapah	Cuddapah	..	..	642	662	642	662
Kurnool	Kurnool	..	..	547	171	547	171
Coimbatore	Coimbatore	30	24	1,241	457	1,271	459
Nilgiris	Nilgiris	284	134	274	392	302	405
Salem	Salem	124	..	1,693	..	1,705	..
North Arcot	North Arcot	..	..	1,511	..	1,511	..
West Coast	Malabar	694	..	1,349	..	1,349	..
South Arcot	South Canara	..	..	818	127	2,266	127
Chingleput	South Arcot	104	654	890	251	900	316
Tanjore	Chingleput	..	..	659	58	659	58
Nagapattinam	Tanjore	..	172	222	1,260	222	1,452
Trichinopoly	Trichinopoly	..	37	604	147	604	184
Madura	Madura	24	..	1,114	129	1,138	129
Tinnevely	Tinnevely	..	..	920	15	920	15
Consulting Architect's division.	Madras	..	..	..	..	..	..
Total	Total	2,144	313	18,996	5,129	18,310	5,438

NOTE.—This statement does not include roads and streets within municipal limits. Gravelled roads have been classified as metalled.

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