GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th December 1878, No. 4,755 W.

General.
Establishment.

Read the following papers :—

No. 144. Proceedings of Government, in the Public Department, dated 10th April 1878, No. 656.

No. 144-A. Circular from the Government of India, dated 10th June 1878, No. 47.

No. 145. ORDER THEREON, 14th December 1878, No. 4,755 W.

ORDERED that the *index raisonné* be supplied to the Public Department with reference to G.O., No. 656, dated 10th April 1878, in that Department, and that a copy be forwarded to the Government of India, with reference to Circular No. 47, dated 10th June 1878.

2. The Chief Engineer for Irrigation has already forwarded an Index to Irrigation Statistical Returns, and the Consulting Engineer will, when submitting the Railway Index to the Government of India, supply the Public Department with a copy for information.

(True Extract.)

Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Public Department.

Exd. E. C. Shunker, and C. Howarth
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

The CHIEF ENGINEER for IRRIGATION,

Dated December 1878.

Rect.

Read

G. O., 14th December 1878, No. 4,755 W.

DECEMBER.

Nos. 144-145.

Index Extract of the general statistical instructions issued by the Public Works Department, supplied to the Public Department, and a copy forwarded to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th December 1878, No. 4,755 W.

General.
Establishment.

Read the following papers :—

No. 144. Proceedings of Government, in the Public Department, dated 10th April 1878, No. 656.

No. 144-A. Circular from the Government of India, dated 10th June 1878, No. 47.

No. 145. ORDER THEREON, 14th December 1878, No. 4,755 W.

ORDERED that the *index raisonné* be supplied to the Public Department with reference to G.O., No. 656, dated 10th April 1878, in that Department, and that a copy be forwarded to the Government of India, with reference to Circular No. 47, dated 10th June 1878.

2. The Chief Engineer for Irrigation has already forwarded an Index to Irrigation Statistical Returns, and the Consulting Engineer will, when submitting the Railway Index to the Government of India, supply the Public Department with a copy for information.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Public Department.

No. 146. (DOCKET No. 4,756 W, dated 14th December 1878.)

COPY of the above forwarded to the Government of India.

Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. E. C. Shunker, and C. Howarth
Spare Copies

GENERAL
ESTABLISHMENT.

Subl. of (1878) Madras.

PUBLIC WORKS.

To

THE SECRETARY TO THE
GOVERNMENT OF INDIA.

Dated December 1878.

Issued

Read

Encl.

G. O. No. 1418 dated 30th December 1878, No. 4 para VI.

REGISTERED
Nos. 144-148.

Public Revenue of the several statistical publications issued by the Public Works Department, Madras.

MADRAS, PUBLIC WORKS DEPARTMENT.

STATEMENT

SHOWING

CERTAIN PARTICULARS OF THE STATISTICS FURNISHED BY THE PUBLIC WORKS DEPARTMENT,

FOR INCLUSION IN THE TABULAR RETURN OR INDEX RAISONNÉ OF THE STATISTICAL PUBLICATIONS COMPILED BY THE GOVERNMENT OF INDIA, REQUIRED BY THE SECRETARY OF STATE.

(Vide *Circular No.* 47 *of* 1878 *of the Government of India, Public Works Department.*)

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Department, Madras.

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation, whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
	Imperial Services, Buildings and Roads Branch.						
I.—Annual Appropriation and Outlay Accounts of the Public Works Department, Imperial Services, Buildings and Roads Branch.	1. Note by Examiner of Accounts.	Review and comparison of revenue and expenditure with brief explanation of all abnormal items.	Code of regulations of the Government of India for the Public Works Department.	Slight modifications by the Government of India as per Circular, No. 18, of 1878, of the Accountant-General, Public Works Department.	By the Examiner of Public Works Accounts.	No sale as far as known. Circulation limited to 50 copies to offices of the Department in Madras and to the Government of India.	
	2. Annual account of Imperial, Public Works Revenue.	Compares the receipts realized with the annual estimate.					
	3. Part I, Section A, Ordinary Outlay.	Outlay on the service heads collected under departmental heads and compared with the original budget and final grants.					
	4. Part I, Section B, do. ..	Outlay arranged by heads of service and compared with the budget and final grants.					
	5. Part II, Detail of additional grants and reductions in grants.	Details of all deviations from the original budget programme.					
	6. Part III, Schedule of Original Works, Imperial.	Expenditure on Imperial buildings, each work estimated to cost over Rupees 2,500 entered separately for the Military, Postal, Telegraph and Salt Customs Departments, and for light-houses and mining operations, arranged by stations. Total outlay on each work compared with the estimate and the outlay of the year with the grant as per budget and as finally assigned.					
	7. Part IV, Schedule of Repairs, Imperial.	Expenditure on repairs to Imperial buildings of the departments enumerated above, cantonment roads and compensation in lieu of quarters to Military subordinates. Each repair estimated to cost over Rupees 2,500 separately entered and compared with the estimate.					
	8. Statement of Original Works, Imperial, estimated at above Rupees 2,500 each completed during the year.	Nature of work, by whom sanctioned, amount of original and final estimate, cost of work, comparison with both estimates, authority for audit.					

II.—Annual Appropriation and Outlay Accounts of the Public Works Department, Imperial, Irrigation Work Branch.	*Imperial, Irrigation Works.* 1. Note by the Examiner of Accounts. 2. Part I. Abstract of Charges by Funds and Departmental heads. 3. Part II. Distribution of Charges by Systems of Canals and Objects of Works. Part III.—*Detail of Expenditure on Original Works.* 4. Section A. Works chargeable to Capital Account. 5. Section B. Original Works, chargeable to Revenue Account. 6. Section C. Ordinary Annual Works for which no Capital and Revenue Accounts are kept. 7. Part IV. Section A. Detail of Expenditure, Revenue Account, Maintenance and Repairs. 8. Part IV. Section B.—Detail of Expenditure on Ordinary Agricultural Repairs. 9. Part V. Schedule of Expenditure on Establishment. 10. Part V. Distribution of Establishment Charges by System of Canals and Objects of Works.
	Review of the operation of the year. Outlay arranged under Capital Productive, Capital Ordinary, Revenue and Ordinary Agricultural, and compared with the budget and final grants. Arranged as above, giving the outlay on each system by departmental heads and bringing out the net outlay in India for each main deduction of (1) the receipts on Capital Account, and (2) expenditure in England, and comparing the net outlay with the budget and final grants. Outlay arranged under Capital Productive and Ordinary by systems and works detailed by heads of classification. Total outlay on each work compared with the estimate and the outlay of the year with the grants. Productive and Ordinary. Outlay arranged by systems and works detailed by heads of classification. Total outlay on each work compared with the estimate and the outlay of the year with the grant. Works arranged under (1) Irrigation, (2) River Conservancy, (3) River Embankment, (4) Drainage, (5) Miscellaneous. Total outlay on each work compared with the estimate and outlay of the year with the grant. Outlay arranged by systems and works detailed by heads of classification. Total outlay on each work compared with the estimate and the outlay of the year with the grant. Works arranged under (1) Irrigation, (2) River Conservancy, (3) River Embankment, (4) Drainage, (5) Miscellaneous. Total outlay on each work compared with the estimate and outlay of the year with the grant. Summary of Establishment Charges for the year debited to Irrigation. Outlay compared with the budget estimate. Apportionment of the Total Establishment Charges to (1) Capital Productive, (2) Capital Ordinary, (3) Revenue, and (4) Ordinary Agricultural, &c., compared with the outlay on works and repairs under those heads.

Code of Regulations of the Government of India for the Public Works Department. A complete set of revised and additional forms issued by the same authority with Public Works Department Circular, No. 38, of 1871, and prepared in accordance with the detailed instructions sanctioned by the Government of India, vide Circular, No. 19, of 1873, of the Accountant-General, Public Works Department.

Slight modifications by Government of India.

By the Examiner of Public Works Accounts.

For sale. Circulation limited to 60 copies to the officers of the Department in Madras and to the Government of India.

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Works Department, Madras—*continued*.

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
II.—Annual Appropriation and Outlay Accounts of the Public Works Department, Imperial, Irrigation Works Branch—*continued*.	*Imperial, Irrigation Works*—contd. 11. Part V-A, Distribution of Establishment Charges by Funds and Departmental heads.	Proportion of the charge for Establishment debited to each system of works, &c., from each fund, Capital, Productive, Ordinary, Revenue, or Ordinary Agricultural under the different heads of Establishment.	India for the Public Works Department. A complete set of revised and authority with Public Works Department Circular, No. 83, of 1871, and instructions sanctioned by the Government of India—*vide* Circular, No. 19, Public Works Department.	Government of India.	Works Accounts.	Department in Madras and to the Government of India.	
	12. Part VI, Abstract of Expenditure on Tools and Plant.	Outlay distributed by funds on systems and objects of works.					
	13. Part VII, Schedule of Expenditure on Tools and Plant.	Outlay under Capital Productive, Capital Ordinary and Revenue in detail of system compared with the budget estimate.					
	14. Part IX, Schedule of Fluctuation of Suspense Balances charged against Grant.	Under Capital Productive, Capital Ordinary, and Ordinary Agricultural for each system, the increase or decrease due to the transactions of the year, brought out by comparing the opening and closing balances of each Suspense Account.					
	15. Part X, Schedule of Irrigation Receipts.	Receipts from each system or other works, distributed under— (1) Receipts on Capital Account divided into Ordinary and Productive. (2) Receipts on Revenue Account; and (3) Ordinary Agricultural Receipts and further sub-divided into the heads peculiar to the several funds.					
	16. Appendix A-I, Detail of Outlay on Systems or Groups under Ordinary Agricultural, Original Works.	Each work separately given under each group. Total outlay on each work compared with the estimate and the outlay of the year with the grant.					
	17. Appendix A-II, Detail of Outlay on Systems or Groups under Ordinary Agricultural, Repairs.	Do. do. do.					
	18. Appendix A-III, Abstract of Grants and Outlay on Systems or Groups under Ordinary Agricultural.	Outlay compared with grants by groups of works under Original Works and Repairs.					

19. Appendix B, Summary of Grant and Outlay under Capital.

20. Appendix C, Summary of Grant & Outlay under Revenue.

Extensions and Improvements.

21. Appendix D, Summary of Grant & Outlay under Revenue, Maintenance and Repairs.

22. Appendix E, Abstract of Expenditure on Ordinary Agricultural Original Works.

23. Appendix F, Abstract of Expenditure on Ordinary Agricultural Repairs.

24. Appendix G, Statement of Original Works estimated at above Rupees 2,500 completed during the year.

PROVINCIAL WORKS.

Buildings and Roads Branch.

1. Note by Examiner of Accounts.

2. Annual Account of Provincial Public Works Revenue.

3. Part I, Account of Appropriation for Public Works, Provincial.

4. Part II, Detail of Additional Grants & Reductions in Grants.

5. Part III, Schedule of Expenditure on Original Works, Provincial.

6. Part IV, Schedule of Expenditure on Repairs, Provincial.

7. Part V, Schedule of Expenditure on Establishment.

8. Abstract of Part V (Establishment).

Works detailed according to classification by Government outlay on each under Productive and Ordinary compared with Grants.

Detailed as above, and outlay on each work compared with grant.

Grants and outlay on works and repairs, compared by districts and executive divisions of the Public Works Department, detailed under the five heads (1) Irrigation, (2) River Conservancy, (3) River Embankments, (4) Drainage, and (5) Miscellaneous.

Nature of work, by whom sanctioned, amount of original and final estimate, cost of work compared with both estimates, and authority for audit.

Review and comparison of the operation of the year with the past.

Compares the Provincial Public Works Receipts with the Annual Estimate.

Receipts on the Service Heads collected under the Departmental heads, Original Works, Repairs, &c., and compared with the original and final grants.

Deviations from the Original Budget Provisions.

The same as for Imperial and Provincial, but works classified by Departments of the Administration for which the buildings are provided, &c.

Cost of the entire general establishment of the Department distributed under (1) Direction and Accounts, (2) Executive, (3) Collection and Police, with the cost divided by Public Works Divisions and Districts, and the latter compared with the expenditure on works showing the percentage of Establishment to Works Outlay.

Total Outlay on general heads under (1) Direction, (2) Construction, (3) Accounts, and (4) Collection and Police compared with the Budget Grants.

Annual Appropriation and Outlay Accounts of the Public Works Department—Provincial Services.

Code of Regulations of the Government of India for the Public Works Department.

Code of Regulations of the Government of India, as per additional forms issued by the same prepared in accordance with the detailed of 1873, of the Accountant-General,

Slight modifications by the Government of India, as per Circular, No. 15/of 1873, of the Accountant-General, Public Works Department.

Slight modifications

By the Examiner of Public

No sale. Circulation limited to 50 copies to the officers of the

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Department, Madras—*continued.*

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
	PROVINCIAL SERVICES WORKS—*continued.*						
III.—Annual Appropriation and Outlay Accounts	9. Abstract of Charges for Establishment	The total charges against the above four heads		1873, 62			

Local funds —

9. Statement of Original works, Local Estimates at above Rs 2500 each Completed during the year.

and distributed under the Departmental heads.

The Same as for "Provincial" Statement 12 - above

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Department, Madras—*continued.*

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
	PROVINCIAL SERVICES WORKS—*continued.*						
III.—Annual Appropriation and Outlay Accounts of the Public Works Department—Provincial Services—*continued.*	9. Abstract of Charges for Establishment.	The total charges against the above four heads distributed under (1) Salaries, (2) Travelling Allowance, and (3) Contingencies, compared with Grant, and the division of the total charge given against the Service heads (1) Imperial, (2) Irrigation, (3) Provincial, and (4) Local.		Slight modifications by the Government of India, as per Circular No. 18, of 1873, of the Accountant-General, Public Works Department.	Examiner of Public Works Accounts.	No sale. Circulation limited to copies to Officers of the Department in Madras and to the Government of India.	
	10. Part VI, Schedule of Expenditure on Tools and Plant, Provincial.	Cost of the entire General Tools and Plant of the Department, New Supplies detailed by sub-heads and total outlay compared with Budget and Final Grants, also distribution of cost between the several heads of Service.					
	11. Statement of Provincial Service Expenditure incurred by Public Works and Civil Officers.	Outlay given by Districts for Civil and Public Works Officers separately under Original Works and Repairs each divided into (1) Civil Buildings, (2) Communications, and (3) Miscellaneous Public Improvements, Establishment, Tools and Plant and Profit and Loss.					
	12. Statement of Original Works, Provincial, estimated at above Rupees 2,500, each completed during the year.	The same as for "Imperial" (1).					
IV.—Annual Appropriation and Outlay Accounts of the Public Works Department, Local and Special Funds Works.	1 and 3 to 12 Forms. Local and Special Funds are the same as for "Provincial."	The same as "Provincial," but the outlay for establishment kept distinct.					
	2. Appendix to Part I, Statement showing expenditure debitable in the books of Provincial Accountant-General against the different funds of the Province.	Expenditure on (1) New Works, (2) Repairs, (3) Establishment, and (4) Tools and Plant shown each Local and Special Fund shown distinctly.					

V.—Annual Account of Imperial Outlay on Guaranteed Railways.	I. Annual Account of State Expenditure for Guaranteed Railways.	Cost of Government Controlling and Auditing Establishments, and cost of land taken up for Guaranteed Railways, compared with the Budget Grants, the land for each Railway being kept distinct.
VI.—Annual Report of the Administration of the Public Works Department, Buildings and Roads and General Branch.	Part I, General, with Statement of Outlay of the year compared with the Final Grants.	This part gives the functions of the Department in connection with the several services under the administration of the Government. The statement gives the Final Grant and Outlay for Irrigation according to Classification—Imperial, Military, and Other Services, Provincial and Local under Departmental heads.
	Part II, Buildings, Roads, &c. ...	Reports in detail the operations of the year.
	Appendix A, Grants and Outlay arranged by Funds and Departmental heads.	Similar to Statement in Part I, but giving for comparison the grant and outlay of the preceding year.
	Appendix B, Statements showing the expenditure on Public Works by Districts.	1. Imperial and Irrigation compared with allotments. 2. Original Works given by Service Heads. 3. Imperial Repairs do. do. 4. Provincial compared with Allotments. 5. Do. Original Works given by Service Heads. 6. Provincial Repairs, given by Service Heads.
	Appendix C, Statement of Local and Special Funds Expenditure by the Public Works Department.	1. Original Works, given by Service Heads and Districts separately for Public Works and Civil Officers. 2. Repairs given by Service Heads and Districts separately for Public Works and Civil Officers. 3. Establishment and Tools and Plant by Service Heads and Districts separately for Public Works and Civil Officers.
	Appendix D, Statement of Works referred to in the Administration Report, Part II.	Works arranged under Imperial, Provincial and Special Funds, by Districts and Outlay in each, compared with the estimate and appropriation for the year.
VII.—Annual Progress Report of the Irrigation Branch of the Public Works Department in the Madras Presidency.	Part I, Irrigation Branch of the Department.	
	Section A, General Duties and Classification of Outlay.	General Review of the Irrigation Branch with Statements showing— Outlay compared with Final Grants by Finance and Departmental heads.
	Section B, Original Works and Repairs.	Review of the several Systems and Works with Statements showing— 1. Length of Navigable Canals open and in progress. 2. Projects under execution from Loan Funds. 3. Distribution of Outlay under Revenue Extension and Improvements and Maintenance and Repairs. 4. Number of Works roughly estimated, Irrigated Area and Revenue for each District.

By the Secretary to Government in the Public Works Department.

No sale. Circulation limited to copies to Officers of the Department and to other Governments.

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Department, Madras—*continued*.

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
VII.—Annual Progress Report of the Irrigation Branch of the Public Works Department in the Madras Presidency—*continued*.	PROVINCIAL SERVICES WORK—*continued*. *Buildings and Roads Branch*—continued. Section III, Establishment ..	Review of Work performed and in Surveys, &c.	Code of Regulations of the Government of India for the Public Works Department.	Slight alterations by Government of India.	By the Secretary to Government in the Public Works Department.	No sale. Circulation limited to copies to Officers of the Department and to other Governments.	
	Section IV, Tools and Plant	....					
	Section V, Receipts from Irrigation Works.	Review and Statement giving the distribution by Districts of the Charges and Receipts on Irrigation Works classed under Departmental heads.					
	Part II, Guaranteed Irrigation Works, Madras Irrigation Company.	Review of the operations of the Company.					
	Appendix A, Distribution of Charges by Systems of Canals and Objects of Works.	Outlay detailed by Departmental heads, bringing out Net Outlay compared with the Budget and Final Grants.					
	Appendix B, Statement of Important works referred to in the Administration Report.	Outlay on each work.					
VIII.—Half-yearly Classified List of Public Works Establishment.	I, Classified List of Officers and Subordinates.	Give the Name and Rank, Date of Appointment, to Grade / to Public Works Dept. Length of Service, &c.					
	II, Distribution Return of the same.						
	III, Appendix	Similar information regarding Office Establishment.					

Fort St. George
November 1878.

(Signed) L. CONWAY-GORDON, Major, R.E.,
Examiner of Public Works Accounts.

V.—Annual Account of Imperial Outlay on Guaranteed Railways.	1. Annual Account of State Expenditure for Guaranteed Railways.	Cost of Government Controlling and Auditing Establishments, and cost of land taken up for Guaranteed Railways, compared with the Budget Grants, the land for each Railway being kept distinct.
VI.—Annual Report of the Administration of the Public Works Department, Buildings and Roads and General Branch.	Part I, General, with Statement of Outlay of the year compared with the Final Grants.	This part gives the functions of the Department in connection with the several services under the administration of the Government. The statement gives the Final Grant and Outlay for Irrigation according to Classification, Imperial, Military, and Other Services, Provincial and Local under Departmental heads.
	Part II, Buildings, Roads, &c. ..	Reports in detail the operations of the year.
	Appendix A, Grants and Outlay arranged by Funds and Departmental heads.	Similar to Statement in Part I, but giving for comparison the grant and outlay of the preceding year.
	Appendix B, Statements showing the expenditure on Public Works by Districts.	1. Imperial and Irrigation compared with allotments. 2. Original Works given by Service Heads. 3. Imperial Repairs do. do. 4. Provincial compared with Allotments. 5. Do. Original Works given by Service Heads. 6. Provincial Repairs, given by Service Heads.
	Appendix C, Statement of Local and Special Funds Expenditure by the Public Works Department.	1. Original Works, given by Service Heads and Districts separately for Public Works and Civil Officers. 2. Repairs given by Service Heads and Districts separately for Public Works and Civil Officers. 3. Establishment and Tools and Plant given by Service Heads and Districts separately for Public Works and Civil Officers.
	Appendix D, Statement of Works referred to in the Administration Report, Part II.	Works arranged under Imperial, Provincial and Special Funds, by Districts and Outlay in each compared with the estimate and appropriation for the year.
VII.—Annual Progress Report of the Irrigation Branch of the Public Works Department in the Madras Presidency.	Part I, Irrigation Branch of the Department.	General Review of the Irrigation Branch with Statements showing—
	Section A, General Duties and Classification of Outlay.	Outlay compared with Final Grants by Finance and Departmental heads.
	Section B, Original Works and Repairs.	Review of the several Systems and Works with Statements showing— 1. Length of Navigable Canals open and in progress. 2. Projects under execution from Loan Funds. 3. Distribution of Outlay under Revenue Extension and Improvements and Maintenance and Repairs. 4. Number of Works roughly estimated, irrigated Area and Revenue for each District.

Code of Regulations of the Government of India.

By the Secretary to Government in the Public Works Department.

No sale. Circulation limited to copies to Officers of the Department and to other Governments.

STATEMENT showing certain particulars of the Statistics furnished by the Public Works Department, Madras—*continued*.

In what Report or Reports embodied.	Number of Forms and Title of each.	Nature of Statistical Information embodied in each.	Government Order prescribing adoption of the Forms.	Modifications made from time to time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office or otherwise.	Extent of Circulation or Sale.	Remarks.
1	2	3	4	5	6	7	8
	PROVINCIAL SERVICES WORK—*continued*. *Buildings and Roads Branch*—continued.						
VII.—Annual Progress Report of the Irrigation Branch of the Public Works Department in the Madras Presidency—*continued*.	Section III, Establishment ..	Review of Work performed and in Surveys, &c.	Code of Regulations of the Government of India for the Public Works Department.	Slight alterations by Government of India.	By the Secretary to Government in the Public Works Department.	No sale. Circulation limited to copies to Officers of the Department and to other Governments.	
	Section IV, Tools and Plant ..						
	Section V, Receipts from Irrigation Works.	Review and Statement giving the distribution by Districts of the Charges and Receipts on Irrigation Works classed under Departmental heads.					
	Part II, Guaranteed Irrigation Works, Madras Irrigation Company.	Review of the operations of the Company.					
	Appendix A, Distribution of Charges by Systems of Canals and Objects of Works.	Outlay detailed by Departmental heads, bringing out Net Outlay compared with the Budget and Final Grants.					
	Appendix B, Statement of Important works referred to in the Administration Report.	Outlay on each work.					
VIII.—Half-yearly Classified List of Public Works Establishment.	I, Classified List of Officers and Subordinates.	Give the Name and Rank, Date of Appointment, to Grade; to Public Works Dept. Length of Service, &c.					
	II, Distribution Return of the same.						
	III, Appendix	Similar information regarding Office Establishment.					

November 1878.

(Signed) I. CONWAY-GORDON, Major, R.E.,
Examiner of Public Works Accounts.

Pro: of the Madras Govt. P. W. D. 17

Read the following

GOVERNMENT OF MADRAS.

PUBLIC DEPARTMENT.

P 1

10th April 1878, No. 656.

Statistics.

Read the following paper :—

No. 79. *From Her Majesty's Secretary of State for India, to the Government of India, dated India Office, London, 25th October* 1877, *No.* 154 (*Statistics*).

The Lords Commissioners of Her Majesty's Treasury have appointed a Committee of Inquiry into the compilation and publication of statistical returns by the various departments of Government as explained in the accompanying minute dated 28th March 1877; and, in accordance with the desire of the Committee expressed in the letter from their Secretary, dated the 21st ultimo, of which a copy is enclosed, I have to request that I may be supplied, with as little delay as possible, with an *index raisonné* of the several statistical publications issued by the respective Governments in India, with an account of the manner in which they are prepared.

2. A list should be supplied of the publications that may be thought most clearly to illustrate the manner in which the statistics are abstracted, but it will not be necessary that a copy of the works should be forwarded from India, unless in any case spare copies have not been already transmitted to this office.

3. Information is also desired respecting the extent of their circulation and sale in India.

No. 1.

STATISTICS OF THE UNITED KINGDOM.

Treasury Minute, dated 28th March 1877, *appointing a Committee of Inquiry.*

My Lords have before them a correspondence with the Boards of Trade and of Customs upon the subject of the control to be exercised by those departments respectively over the returns of trade and navigation of the United Kingdom which are annually presented to Parliament. The immediate question raised in this correspondence is one only of departmental interest, and might no doubt be easily settled by a reference to the report upon the statistical branches of the customs which was made to the Treasury in the year 1870 by Mr. Shaw Lefevre and Mr. Foster. But, in considering this question, my Lords have been led to observe that it forms only a part, and a very small part, of a much larger subject, which seems to call for serious attention. This is the compilation and publication by Government departments of statistics generally.

My Lords have before them a memorandum drawn up by Mr. Lack, late Assistant in the Statistical Branch of the Board of Trade, and another prepared by Mr. Giffen, now the head of that department, both of which show that there is great room for improvement in the system on which official statistics are prepared. Indeed, it can scarcely be said that at present there is any system at all. Each department compiles and publishes from time to time information more or less detailed with regard to the business with which it is concerned, but there appears to be no fixed principles laid down for the guidance of the several officers, and the consequence is that but little harmony or coherence exists between the various classes of statistics thus published; comparison between them is often impossible, and their practical utility is thereby most seriously impaired. Perhaps no better proof of this is required than the fact that, in connection with Bills or motions in the House of Commons, returns are constantly being moved for to supply infomation which is already before Parliament in official blue-books, but which is there so imbedded in masses of detail that it is scarcely to be wondered at that members shrink from the labor of extracting it for themselves.

The chief vices of the present practice would seem to be a want of condensation, which leads to obscurity in the statistics themselves and to waste in the printing of them, and a want of uniformity, which leads to positive confusion; and although, with varying laws and varying

customs prevailing in the different divisions of the United Kingdom, it may not be possible to introduce absolute harmony into the returns relating to each, my Lords believe that much might be done to simplify and systematise the statistical information which is now supplied from official sources if the subject were to be fully and authoritatively inquired into.

The information may be classified as follows:—

I.—Local Government reports and papers.
II.—Population statistics.
III.—Education statistics.
IV.—Judicial and Prison statistics.
V.—Financial statistics.
VI.—Board of Trade returns.
VII.—Miscellaneous reports and papers.

And my Lords propose to appoint a Committee to inquire into and report upon these, attention being directed more especially to the following points:—

(I)—The great mass, and possibly unnecessary details, to be found in some of the annual volumes of statistics.

(II)—The duplication of printing which prevails very largely by means of anticipatory publications of more complete volumes of statistics and otherwise.

(III)—The evils of differences in form in compiling statistics on the same subject for England, Scotland, and Ireland, and the want of harmony in the headings, classifications, dates, and other points where statistics on different subjects, which are allied directly or indirectly, ought to be made capable of intercomparison.

My Lords propose to ask the following gentlemen to act on the Committee:—

The Right Hon. H. C. Childers, M.P.
M. Ridley, Esq., M.P.
A. J. Balfour, Esq., M.P.
T. H. Farrer, Esq., Board of Trade.
J. Lambert, Esq., C.B., Local Government Board.
Colonel Romilly, Commissioner of Customs.
R. Anderson, Esq., Home Office.

And they are pleased to nominate as Secretary Mr. James M. Carmichael, whose services the Lords Commissioners of the Admiralty are willing to place at the disposal of the Committee.

No. 2.

From the Secretary to the Statistics Committee, to the Under Secretary of State for India, dated 6, Craig's Court, Charing Cross, S.W., 21st September 1877.

I am directed by the Committee appointed by the Treasury to inquire into the subject of official statistics to request that you will move the Secretary of State for India in Council to obtain for them a tabulated return of the statistical publications compiled by the Government of India, together with a description of the manner in which they are prepared and published—viz., whether by a distinct statistical department, exercising a general control over the extent and character of the statistics to be compiled, or independently by the several departments with which the statistics are connected.

2. My committee would wish the list of these statistics to be of the nature of an *index raisonné*, so as to give some idea of their form and extent, and they would be glad to receive specimens of those publications where the statistics are most abstracted: they would also be glad to know to what extent the statistics collected by the Indian Government Departments are circulated or sold in India.

No. 10—502.

Copy forwarded to the Government of Madras with a request that the information asked for by the Secretary of State may be supplied to this department for transmission to His Lordship.

(By Order of the Governor-General in Council.)

DEPT. OF REV., AGRI., AND COMCE., STATISTICS, CALCUTTA, 11*th Dec.* 1877.

(Signed) C. J. LYALL,
Under Secy. to Govt. of India.

No. 80. ORDER THEREON, 10th April 1878, No. 656.

Ordered that the papers above read be communicated to heads of offices in view to the necessary information being furnished at an *early* date in the annexed tabular form (which may be added to if necessary), accompanied by such explanatory remarks as the papers call for, together with suggestions as to improvements needed, whether by simplification, curtailment, or enlargement of the forms now in use:—

Statement showing certain Particulars of the Statistics furnished by

1	2	3	4	5	6	7	8
In what Report or Reports embodied.	Number of Forms and Title of Each.	Nature of the Statistical Information embodied in Each.	Government Order prescribing Adoption of the Forms.	Modifications made from Time to Time and by what Authority.	Mode of Preparation whether by separate Statistical Department or Office, or Otherwise.	Extent of Circulation or Sale.	Remarks.

(True Extract.)

D. F. CARMICHAEL,
Chief Secretary.

To the Revenue Department.
" Military Department.
" Public Works Department.
" Board of Revenue.
" Superintendent of Revenue Survey,
" Director of Revenue Settlement,
" Superintendent of Government Farms, } through the Board of Revenue.
" Commissioner of the Nilgiris,
" Honorable the Judges of the High Court.
" Judges of the Court of Small Causes, Madras.
" Right Reverend the Bishop of Madras.
" Inspector-General of Police.
" " of Jails.
" " of Registration.
" Surgeon-General, Indian Medical Department.
" Director of Public Instruction, and for communication to Registrar of Government Books.
" Accountant-General and Commissioner of Paper Currency.
" President of the Municipal Commission, Madras.
" Master Attendant, Madras.
" Sanitary Commissioner, and for communication to Inspector of Vaccination.
" Protector of Emigrants.
" Postmaster-General.
" Government Astronomer.
" Superintendent, Government Press, through the Supervisor.
" Chief Engineer for Irrigation.
" Commissioner for the Uncovenanted Civil Service Examinations.
" Government Agent, Chepauk.
" " Ganjam.
" " Vizagapatam.
" Committee of Management, Lawrence Asylum Press.

Exd. J. W. Fischer.

Govt of India, Public Works Department, No. 1878

Dated April 1878

Read

Noted

Forwarded

APRIL.
Nos. 79-80.

Order thereon 11th Feb 5/78 Exp. 4332 W.

Communicated to the Consg Engr. for Railways with the remark that the information may be submitted in the Railway Department direct to the Govt. of India.

/ True Extract /

pd/ E. A. Foord Colld RE.

Secy. to Govt. P.W.D.

To the Consg Engr for Rys.

For Heads of Departments only.

Circular No. 47 Public Works.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General.

Simla, 10th June 1878.

The Governments of Madras and Bombay, in the Public Works Department, General, Irrigation and Railway Branches.
The Governments of Bengal, North-Western Provinces and Oudh, and Punjab in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Mysore and Coorg, and Assam.
The Resident, Hyderabad.
The Agents of the Governor General for Central India and Rajpootana.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Accountant General, Public Works Department.
The Inspector General of Military Works.
The Director General of Telegraphs.
The Director-in-Chief, Indo-European Telegraph.

Copy forwarded to Local Governments and Administrations and Officers marginally noted, with request that lists of the nature specified may be submitted at a very early date.

By order,

Under Secy. to the Govt. of India.

No. 154 (Statistics), dated India Office, London, 25th October 1877.

From—The Secretary of State for India,
To—The Government of India.

PARA. 1. The Lords Commissioners of Her Majesty's Treasury have appointed a committee of inquiry into the compilation and publication of statistical returns by the various departments of Government, as explained in the accompanying Minute, dated 28th March 1877; and, in accordance with the desire of the committee expressed in the letter from their Secretary, dated the 21st ultimo, of which a copy is enclosed, I have to request that I may be supplied, with as little delay as possible, with an *index raisonné* of the several statistical publications issued by the respective Governments in India, with an account of the manner in which they are prepared.

2. A list should be supplied of the publications that may be thought most clearly to illustrate the manner in which the statistics are abstracted, but it will not be necessary that a copy of the works should be forwarded from India, unless in any case spare copies have not been already transmitted to this office.

3. Information is also desired respecting the extent of their circulation and sale in India.

No. 1.

STATISTICS OF THE UNITED KINGDOM.

Treasury Minute, dated 28th March 1877, appointing a Committee of Inquiry.

MY LORDS have before them a correspondence with the Boards of Trade and of Customs upon the subject of the control to be exercised by those departments respectively over the returns of trade and navigation of the United Kingdom, which are annually presented to Parliament. The immediate question raised in this correspondence is one only of departmental interest, and might no doubt be easily settled by a reference to the report upon the statistical branches of the customs which was made to the Treasury in the year 1870 by Mr. Shaw Lefevre and Mr. Foster. But in considering this question, my Lords have been led to observe that it forms only a part, and a very small part, of a much larger subject, which seems to call for serious attention. This is the compilation and publication by Government departments of statistics generally.

My Lords have before them a memorandum drawn up by Mr. Lack, late Assistant in the Statistical Branch of the Board of Trade, and another prepared by Mr. Giffen, now the head of that department, both of which show that there is great room for improvement in the system on which official statistics are prepared. Indeed, it can scarcely be said that at present there is any system at all. Each department compiles and publishes from time to time information more or less detailed with regard to the business with which it is concerned; but there appears to be no fixed principles laid down for the guidance of the several officers, and the consequence is that but little harmony or coherence exists between the various classes of statistics thus published; comparison between them is often impossible, and their practical utility is thereby most seriously impaired. Perhaps no better proof of this is required than the fact that, in connection with Bills or motions in the House of Commons, returns are constantly being moved for to supply information which is already before Parliament in official blue-books, but which is there so inbedded in masses of detail that it is scarcely to be wondered at that members shrink from the labour of extracting it for themselves.

The chief vices of the present practice would seem to be a want of condensation, which leads to obscurity in the statistics themselves and to waste in the printing of them, and a want of uniformity, which leads to positive confusion; and although, with varying laws and varying customs prevailing in the different divisions of the United Kingdom, it may not be possible to introduce absolute harmony into the returns relating to each, my Lords believe that much might be done to simplify and systematise the statistical information which is now supplied from official sources, if the subject were to be fully and authoritatively inquired into.

The information may be classified as follows:—

I.—Local Government reports and papers.
II.—Population statistics.
III.—Education statistics.
IV.—Judicial and prison statistics.
V.—Financial statistics.
VI.—Board of Trade returns.
VII.—Miscellaneous reports and papers.

And my Lords propose to appoint a committee to inquire into and report upon these, attention being directed more especially to the following points:—

(1).—The great mass, and possibly unnecessary details, to be found in some of the annual volumes of statistics.

(2).—The duplication of printing which prevails very largely by means of anticipatory publications of more complete volumes of statistics and otherwise.

(3).—The evils of differences in form in compiling statistics on the same subject for England, Scotland, and Ireland, and the want of harmony in the headings, classifications, dates, and other points where statistics on different subjects, which are allied directly or indirectly, ought to be made capable of inter-comparison.

My Lords propose to ask the following gentlemen to act on the Committee:—

The Right Hon. H. C. Childers, M.P.
M. Ridley, Esq., M.P.
A. J. Balfour, Esq., M.P.
T. H. Farrer, Esq., Board of Trade.
J. Lambert, Esq., C.B., Local Government Board.
Colonel Romilly, Commissioner of Customs.
R. Anderson, Esq., Home Office.

And they are pleased to nominate as Secretary Mr. James M. Carmichael, whose services the Lords Commissioners of the Admiralty are willing to place at the disposal of the committee.

No. 2.

Dated 6, Craig's Court, Charing Cross, S.W., 21st September 1877.

From—The Secretary to the Statistics Committee,

To—The Under Secretary of State for India.

I AM directed by the Committee appointed by the Treasury to inquire into the subject of official statistics to request that you will move the Secretary of State for India in Council to obtain for them a tabulated return of the statistical publications compiled by the Government of India, together with a description of the manner in which they are prepared and published—namely, whether by a distinct statistical department, exercising a general control over the extent and character of the statistics to be compiled, or independently by the several departments with which the statistics are connected.

2. My committee would wish the list of these statistics to be of the nature of an *index raisonné*, so as to give some idea of their form and extent, and they would be glad to receive specimens of those publications where the statistics are most abstracted; they would also be glad to know to what extent the statistics collected by the Indian Government Departments are circulated or sold in India.

No. 13/2.

Copy forwarded to the Public Works Department with a request that the information asked for by the Secretary of State may be supplied to this Department for transmission to His Lordship.

To The Secretary to the Govt. of Madras
Public Works Department

Cir Memo 6020/2-2-78

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General. No. 7283

To

Circular No. 47 Public Works.

Dated SIMLA, June 10th, 1878.

Received 25 June

Asking that lists of statistical publications of the nature specified may be submitted at a very early date.

Cost. G. E. Press, Simla—No. 121, P. W. D.—7-6-78—677.

Bmis N-4332W 11-11-78

Lo only 27-6-78 Pub 1-7-78

Lo only again 1-7-78

Madras, Public Works Department.

Statement showing certain particulars of the statistics furnished by the Public Works Department for inclusion in the Tabular returns or index raisonné of the statistical publications compiled by the Government of India required by the Secretary of State vide Circular No. 47 of 1878 of the Government of India Public Works Department

Statement showing certain particulars of the Statistics furnished by the Public Works Department, Madras.

1. In what Report or Reports embodied	2. Number of Forms and title of each	3. Nature of statistical information embodied in each	4. Government order prescribed adoption of the Forms	5. Modifications made from time to time and by whom authorized	6. Mode of preparation whether by separate Establishment or Agency	7. Extent of circulation or Sale	Remarks
I. Annual Appropriation and Outlay Accounts of the Public Works Department Imperial Services, Buildings and Roads Branch.	Imperial Services Buildings and Roads Branch.						
	1. Note by Examiner of Accounts.	Review and Comparison of Revenue and Expenditure with brief explanations of all abnormal items.	Code of Regulations of the Government of India for the Public Works Department.				
	2. Annual Account of Imperial P.W. Revenue.	compares the Receipts	ratified with the Estimate	Circular No. 18 of 1873 of this Department.			
	3. Part I. Section A. Ordinary Outlay.	Outlay on the Servicemental heads and compared Budget and Final	headed Abstract under each Department compared with the Original Grants.		Accounts.		
	4. Part I. Section B. ——— Do. ———						
	5. Part II. Detail of additional Grants and reductions in Grants.	Outlay arranged by with the Budget de Details of all de nal Budget	heads of Service and compared Final Grants. viations from the original programme.				
	6. Part III. Schedule of Original Works Imperial.	Expenditure on Imestimated to cost ly for the Militia Hall Austoms Dep houses and Mint bystations. Total compared with outlay of the year Budget and	Imperial buildings each work over Rs 2500 entered separately Postal, Telegraph and Customs Department and for Light Houses operations arranged Outlay on each work the Estimate and the with the grant as per as finally assigned.	By the Examiner Public Works Accounts.			
	7. Part. IV. Schedule of Repairs Imperial	Expenditure buildings of the above, Cantonments Compensation in tary Subordinate mated to cost over entered and Estimate.	ow Repairs to Imperial Departments enumerated ment Roads and lieu of quarters to Militias. Each Repair esti- Rs 2500/ separately compared with the	Slight modifications by the Government of India as per Accountant General's Memorandum.			
	8. Statement of Original Works Imperial estimated at above Rs 2,500/ each completed during the year.	Nature of tioned, Amount Final Estimate Work, Complete Estimate for Audit.	Work, by authorities of Original and mate cost of parisons under mates, Authority	Mopeals, as far as known. Circulation limited to 50 Copies to Offices of the Department in Madras and to the Government of India.			

1	2		3	4	5	6	7	8
II. Annual Appropriation and Outlay accounts of the Public Works Department Imperial Irrigation Works Branch.	Imperial - Irrigation works.							
	1. Note by the Examiner of Accounts.	Review of the operation of the year.						
	2. Part I. Abstract of charges by Funds and Departmental heads.	Outlay arranged under capital Productive, Revenue and ordinary, Agricultural and compared with the Budget and Final Grants as above, giving the						
	3. Part II. Distribution of charges by Systems of canals and objects of works.	Arranged by Department and by heads of classification. Total outlay on each work compared with the Estimate and with the Grants Ordinary.						
	Part III. Detail of Expenditure on Original Works.							
	4. Section i. Works chargeable to Capital Account.	Outlay arranged by systems and by heads of classification. Total outlay on each work compared with the Estimate and with the Grants Ordinary.						
	5. Section ii - Original Works Chargeable to Revenue Account.	Outlay arranged by systems and works detailed by heads of classification. Total outlay on each work compared with the Estimate and with the grant.						

Slight modifications by Government of India.

By the Examiner Public Works Accounts.

No sale. Circulation limited to 50 copies, to the Officers and to the Government of India

Code of Regulations of the Govt. of India for the Public Works Department revised and additional Forms issued by the same authority. No. 60. of 1874. and prepared in accordance with the delegation of powers contained in the Secretary of State's Circular No. 19 of 1873. of the Accountant General Public Works Department.

1	2	3	4	5	6	7	8
II. Annual Appropriation and Outlay Accounts of the Public Works Department Imperial (1) Irigation Works Branch continued.	Imperial Irrigation works – continued. Part III. Detail of expenditure on original Works (continued)						
	6. Section iii. Ordinary Agricultural Works for which no capital and Revenue Accounts is kept.	Works arranged under (1) Irrigation, (2) River Conservancy (3) River Embankment (4) Drainage Miscellaneous – Total outlay on each work compared with the Estimate and Outlay of the year, with the grant.					
	7. Part IV. section i. Detail of expenditure, Revenue account, Maintenance and Repairs.	Outlay arranged by systems and works detailed by heads of classification Total Outlay on each work compared with the Estimate and the Outlay of the year with the Grant.					
	8. Part IV. section ii. Detail of expenditure on Ordinary Agricultural Repairs.	Works arranged under (1) Irrigation, (2) River Conservancy, (3) River Embankment, (4) Drainage, and (5) Miscellaneous Total Outlay on each work compared with the Estimate and Outlay of the year with the Grant.					
	9. Part V. i. Schedule of expenditure on Establishment.	Summary of Establishment charges for the year debited to Irrigation. Outlay compared with the Budget Estimate.					
	10. Part V. ii. Distribution of Establishment charges by (1) System of Canals and objects of works.	Apportionment of the total Establishment charges to (1) Capital Productive, (2) Capital ordinary, (3) Revenue and (4) Ordinary agricultural rca compared with the Outlay on works and Repairs under those heads.					

(1) See preceding page.

1	2		3	4	5	6	7	8
II. Annual Appropriation and Outlay Accounts of the Public Works Department Imperial Irrigation works Branch — continued.	Imperial Irrigation works, continued,							
	11. Part V. /iii — Distribution of Establishment charges by Funds and Departmental heads.	Proportion of the ment debited to ye from each tive, Ordinary, Agricultural under of Establishmen	charge for Establish each system of works fund, Capital Produc Revenue or Ordinary the different heads					
	12. Part VI. Abstract of Expenditure on Tools and Plant.	Outlay distr	buted by Funds on objects of works					
	13 Part VII. Schedule of expenditure on Tools and Plant.	Systems and Outlay under Capital Ordinary tail of system	Capital Productive, and Revenue in de compared with the					
	14. Part IX. Schedule of Fluctuation of Suspense balances charged against grant.	Budget Estimate Under Capital Ordinary and Or for each system, due to the tran brought out by opening and cl Suspense account	Productive, Capital inary Agricultural the increase or decrease sactions of the year, comparing the clos sing balances of each					
	15. Part X. Schedule of Irrigation Receipts.	Receipts from works, distri (1) Receipts on Capi into Ordinary (2) Receipts on Re (3) Ordinary Agri further subdivided to the several	each system or ther buted under Capi tal account divided and Productive. venue account and ultural receipts and into the heads peculiar funds.					
	16. Appendix A/i Detail of Outlay on Systems or Groups under Ordinary Agricultural Original Works.	Each work se each group. Total compared with the outlay of the	Separately given under outlay on each work the Estimate and year with the grant.					

See preceding page

1	2	1	3	4	5	6	7	8
II. Annual appropriation and Outlay Accounts of the Public Works Department Imperial Irrigation Works Branch concluded.	Imperial Irrigation Works continued. 17- Appendix A/ii. Detail of outlay on systems or groups, under Ordinary Agricultural Repairs. 18- Appendix. A/iii. Abstract of grants and outlay on systems or groups under Ordinary Agriculture 19- Appendix B. Summary of grant and outlay under Capital 20- Appendix C. Summary of Grant and Outlay under Revenue, Extension and Improvements. 21- Appendix D. Summary of grant and outlay under revenue maintenance and Repairs. 22- Appendix E. Abstract of expenditure on Ordinary Agricultural Original Works 23- Appendix F. Abstract of expenditure on Ordinary agricultural Repairs. 24- Appendix G. Statement of Original Works estimated at above Rs 2,500/ completed during the year.	Ditto. Outlay compared with grants by groups of works and Works detailed under Productive compared with grants. Detailed as per each work grant. Grants and Repairs, compared Executive Divisions detailed under (1) Irrigation (2) & River embank and (5) Miscel Nature of sanctioned and final work compared and authority	Ditto. grants by under Original Repairs. according to classification and Outlay each and Ordinary compared with above, and outlay compared with outlay, on Works and ed by Districts and of the Public Works Dept.t the five heads (1) River conservancy ment (4) Drainage laneous. work by whom amount of original Estimate, Cost of with both estimates for audit	See preceding page	8:	8:	8:	8:

1	2	3	4	5	6	7	8
III. Annual Appropriation and Outlay Accounts of the Public Works Deptt. Provincial Services.	Provincial Services Work. (Buildings and Roads Branch) 1. Note by Examiner of Accounts. 2. Annual account of Provincial Public Works Revenue. 3. Part I. Account of Appropriation for Public Works, Provincial. 4. Part II. Detail of additional grants and reductions in Grants. 5. Part III. Schedule of expenditure on Original works Provincial. 6. Part IV. Schedule of expenditure on Repairs Provincial. 7. Part V. Schedule of expenditure on Establishment. 8. Abstract of Part V. (Establishment). 9. Abstract of charges for Establishment	Review and com the year with Compares the Receipts with Outlay on the under the de- Original works, with the origi- Deviations + Budget The same as for but works, classified administration buildings are Cost of the entire of the Department de accounts (a) Executive with the post divided tracts and the latter on works showing the to works outlay, Total outlay under- section, (2) Construction tive and Police + Budget Grants, The total charge heads, distributed rolling Allowance, pared with grant the total charge given heads (1) Imperial vincial and	-parison of the operation of the past. Provincial Public Works the Annual Estimate service heads, collected partmental heads Repairs &c and compared nal and ferial grants from the Original Programme. Imperial services, (5 and 6) by Departments of the for which the provided &c. general Establishment tailed under (1) Direction and (2) Collection and Police, Local, by Public Works Division and Dis compared with the expenditure percentage of Establishment. General heads under (1) Di- (3) Accounts and (4) Collec- compared with the against the above 4 under (1) Salaries (2) Tra- and (3) Contingencies com- and the division of against the Service (2) Irrigation (3) Pro- (4) Local.	Code of regulations of the Government of India for the Public Works Department. Annual Estimates for 1873-74. Slight modifications by the Government of India, as for circular No. 1 of 1873 of the Accountant General Public Works Department. By the Examiner, Public Works Accounts. Not to be Circulation limited to 30 copies to Officers of the Department viz. Heads of the Government of India.		

1	2		3	4	5	6	7	8
III. Annual appropriation and outlay accounts of the Public Works Department — Provincial Services (concluded)	Provincial Service Works — continued. Part II. Schedule of Expenditure on Tools and Plant — Provincial.	Cost of the entire gross New supplied data outlay compared grants — also dis Several heads of Servi	cal Tools and Plant of the Dept ed by Sub heads and total with the Budget and Final tribution of cost between the					
	11. Statement of Provincial Service Expenditure incurred by Public Works and Civil Officers.	Outlay given by Public Works Officers s and Repairs exclusive Communications, im provements, Establish Profit and Loss.	Districts for Civil and parately under Original Works ded into (a) Civil Buildings, (b) Miscellaneous Public Im ment Tools and Plant and					
	12. Statement of Original Works Provincial — estimated at above Rs 2,500 each completed during the year.	The same as	for Imperial — (7).	See preceding page.	Do.	Do.	Do.	
IV. Annual appropriation and outlay accts of the Public Works Department, Local and Special Funds Works.	1 and 3. to 12. Forms Local and Special Funds are the same as for "Provincial." 12. Appendix to Part I. statement showing expenditure debitable in the books of Provincial Accountant General against the different Funds of the Provinces.	The same as "Pro Fund kept distinc Expenditure on (a) Establishment from each local shown distinct	incial" but the outlay for each (a) New Works, (b) Repairs and (c) Tools and plant and Special Fund	Code of Regulations of the Government of India for the Public Works Department.	Slight modifications by the Government of India (as per Circular No 8/0/73 of the Accountant General Public Works Department.	By the Examiner P. W. Accounts.	No sale. Circulation limited to copies to officers of the Dept.; viz Members and to the Government Secretaries.	
V. Annual account of Imperial Outlay on guaranteed Railways.	1. Annual Account of State Expenditure for Guaranteed Railways.	Cost of Gover auditing Esta land taken up ways, compared the Land for Kept distinct	ment controlling and blishments, and cost of for Guaranteed Rail with the Budget grants each Railway being					

1	2		3	4	5	6	7	8
VII. Annual report of the administration of the Public Works Department, Buildings and Roads and General Branch	Part I. General with statement of Outlay of the year compared with the final grants. Part II. Buildings, Roads &c: Appendix A. Grants and Outlay arranged by Funds and Departmental Heads. Appendix B. Statements showing the expenditure on Public Works by Districts. Appendix C. Statement of Local and Special Funds expenditure by the Public Works Department Appendix D. Statement of works referred to in the Administration report - Part II.	This part of Department in services under the The statement outlay for Irrigation, Imperial Provincial and Local Reports in Similar to giving for com outlay of the 1. Imperial and 2. Original 3. Imperial 4. Provincial 5. Do. 6. Do. 1. Original 2. Repairs 3. Establish Works ar Provincial and districts and pared with appropriation for	gives the Functions of the connection with the several administration of the Govt. gives the final grant and gation according to classifi Military and other services under departmental heads. detail the operations of the year. statement in Part I. but parison, the grant and preceding year. Irrigation, compared with allot ments Works, given by Service heads. Repairs Do. Do. compared with allotments. Original Works, given by Service heads Repairs do do Works given by service heads and districts, separately for P.W. and Civil Officers. Do Do Do. ment and Tools and Plant &c &c ranged under Imperial, special funds, by H outlay in each com the estimate, and ap the year.	Code of Regulations of the Government of India, for the Public Works Department.	By the Secretary to Government of India in the Public Works Department.	No. Rule. Circular Letter	Dept. P. and T. Offices & Officers Do Do Do

1	2		3	4	5	6	7
VII. Annual Progress Report of the Irrigation Branch of the Public Works Department in the Madras Presidency.	Part I. Irrigation Branch of the Department. Section I. General duties and classification of Outlay. Section II. Original Works and Repairs. Section III. Establishment. Section IV. Tools and Plant. Section V. Receipts from Irrigation works. Part II. Guaranteed Irrigation works Madras Irrigation Company. Appendix A. Distribution of charges by Systems of Canals and objects of works. Appendix B. Statement of important works referred to in the Administration Report.	General review of the Investments during With Outlay compared Finance and Review of the several with statements 1. Length of Navigable 2. Projects under ex 3. Distribution of Expenditure and Income and Vacancy and 4. Number of works, Irrigated area and Review of work Surveys &c. Review and statistics by Division by Districts and Description of Irrigation under Departments. Review of the per Outlay detailed by Divisions Net Outlay compared and Final Grants. Outlay on	...rigation Branch with its late ...with Annual grants by ...Departmental heads. ...Systems and works ...showing ...Canals opened and in pro... ...gation from Loan Funds ...Outlay under Revenue ...Improvements and main... ...Repairs. ...roughly is estimated ...Revenue for each Distt. ...performed and in ...ment giving the ...heads of the charges ...gation works, classed ...tal heads. ...rations of the Company ...Departmental heads, brought ...based with the Budget ...each work.				
VIII. Half yearly classified list of Public Works Establishment.	II. Classified list of Officers and subordinates. II. Distribution return of the same III. Appendix.	Give the name & appointment length of Similar in... regarding Offic	and Rank, date to Grade to Public Wks. Dept. service &c: formation Establishment.				

Code of Regulations of the Government of India for the Public Works Departments.

By the Secretary to Government

See Page

Chepauk
Nov.r 1878.

Examiner P.W. Accounts & Progress

For Heads of Departments only.

Circular No. 47 Public Works.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General

Simla, 10th June 1878.

The Governments of Madras and Bombay, in the Public Works Department, General, Irrigation and Railway Branches.
The Governments of Bengal, North-Western Provinces and Oudh, and Punjab in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Mysore and Coorg, and Assam.
The Resident, Hyderabad.
The Agents of the Governor General for Central India and Rajpootana.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Accountant General, Public Works Department.
The Inspector General of Military Works.
The Director General of Telegraphs.
The Director-in-Chief, Indo-European Telegraph.

Copy forwarded to Local Governments and Administrations and Officers marginally noted, with request that lists of the nature specified may be submitted at a very early date.

By order,

Under Secy. to the Govt. of India.

No. 154 (Statistics), dated India Office, London, 25th October 1877.

From—The Secretary of State for India,
To—The Government of India.

PARA. 1. The Lords Commissioners of Her Majesty's Treasury have appointed a committee of inquiry into the compilation and publication of statistical returns by the various departments of Government, as explained in the accompanying Minute, dated 28th March 1877; and, in accordance with the desire of the committee expressed in the letter from their Secretary, dated the 21st ultimo, of which a copy is enclosed, I have to request that I may be supplied, with as little delay as possible, with an *index raisonné* of the several statistical publications issued by the respective Governments in India, with an account of the manner in which they are prepared.

2. A list should be supplied of the publications that may be thought most clearly to illustrate the manner in which the statistics are abstracted, but it will not be necessary that a copy of the works should be forwarded from India, unless in any case spare copies have not been already transmitted to this office.

3. Information is also desired respecting the extent of their circulation and sale in India.

No. 1.

STATISTICS OF THE UNITED KINGDOM.

Treasury Minute, dated 28th March 1877, appointing a Committee of Inquiry.

MY LORDS have before them a correspondence with the Boards of Trade and of Customs upon the subject of the control to be exercised by those departments respectively over the returns of trade and navigation of the United Kingdom, which are annually presented to Parliament. The immediate question raised in this correspondence is one only of departmental interest, and might no doubt be easily settled by a reference to the report upon the statistical branches of the customs which was made to the Treasury in the year 1870 by Mr. Shaw Lefevre and Mr. Foster. But in considering this question, my Lords have been led to observe that it forms only a part, and a very small part, of a much larger subject, which seems to call for serious attention. This is the compilation and publication by Government departments of statistics generally.

P. W. 10701 Dept.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
ESTABLISHMENT.
General.

No 7233

To

Circular No. 47 Public Works.
Dated Simla, June 10th, 1878.
Received 28th June

Asking that lists of statistical publications of the nature specified may be submitted at a very early date.

Govt. C. B. Press, Simla—No. 171. P. W. D.—17-5-78—677.

For Heads of Departments only.

Circular No. 47 Public Works.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General.

Simla, 10th June 1878.

The Governments of Madras and Bombay, in the Public Works Department, General, Irrigation and Railway Branches.
The Governments of Bengal, North-Western Provinces and Oudh, and Punjab in the Public Works Department, General and Irrigation Branches.
The Chief Commissioners, Central Provinces, British Burmah, Mysore and Coorg, and Assam.
The Resident, Hyderabad.
The Agents of the Governor General for Central India and Rajpootana.
The Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
The Accountant General, Public Works Department.
The Inspector General of Military Works.
The Director General of Telegraphs.
The Director-in-Chief, Indo-European Telegraph.

Copy forwarded to Local Governments and Administrationsand Officers marginally noted, with request that lists of the nature specified may be submitted at a very early date.

By order,

W. B. Simpson

Under Secy. to the Govt. of India.

No. 154 (Statistics), dated India Office, London, 25th October 1877.

From—The Secretary of State for India,
To—The Government of India.

Para. 1. The Lords Commissioners of Her Majesty's Treasury have appointed a committee of inquiry into the compilation and publication of statistical returns by the various departments of Government, as explained in the accompanying Minute, dated 28th March 1877; and, in accordance with the desire of the committee expressed in the letter from their Secretary, dated the 21st ultimo, of which a copy is enclosed, I have to request that I may be supplied, with as little delay as possible, with an *index raisonné* of the several statistical publications issued by the respective Governments in India, with an account of the manner in which they are prepared.

2. A list should be supplied of the publications that may be thought most clearly to illustrate the manner in which the statistics are abstracted, but it will not be necessary that a copy of the works should be forwarded from India, unless in any case spare copies have not been already transmitted to this office.

3. Information is also desired respecting the extent of their circulation and sale in India.

No. 1.

Statistics of the United Kingdom.

Treasury Minute, dated 28th March 1877, appointing a Committee of Inquiry.

My Lords have before them a correspondence with the Boards of Trade and of Customs upon the subject of the control to be exercised by those departments respectively over the returns of trade and navigation of the United Kingdom, which are annually presented to Parliament. The immediate question raised in this correspondence is one only of departmental interest, and might no doubt be easily settled by a reference to the report upon the statistical branches of the customs which was made to the Treasury in the year 1870 by Mr. Shaw Lefevre and Mr. Foster. But in considering this question, my Lords have been led to observe that it forms only a part, and a very small part, of a much larger subject, which seems to call for serious attention. This is the compilation and publication by Government departments of statistics generally.

My Lords have before them a memorandum drawn up by Mr. Lack, late Assistant in the Statistical Branch of the Board of Trade, and another prepared by Mr. Giffen, now the head of that department, both of which show that there is great room for improvement in the system on which official statistics are prepared. Indeed, it can scarcely be said that at present there is any system at all. Each department compiles and publishes from time to time information more or less detailed with regard to the business with which it is concerned; but there appears to be no fixed principles laid down for the guidance of the several officers, and the consequence is that but little harmony or coherence exists between the various classes of statistics thus published; comparison between them is often impossible, and their practical utility is thereby most seriously impaired. Perhaps no better proof of this is required than the fact that, in connection with Bills or motions in the House of Commons, returns are constantly being moved for to supply information which is already before Parliament in official blue-books, but which is there so imbedded in masses of detail that it is scarcely to be wondered at that members shrink from the labour of extracting it for themselves.

The chief vices of the present practice would seem to be a want of condensation, which leads to obscurity in the statistics themselves and to waste in the printing of them, and a want of uniformity, which leads to positive confusion; and although, with varying laws and varying customs prevailing in the different divisions of the United Kingdom, it may not be possible to introduce absolute harmony into the returns relating to each, my Lords believe that much might be done to simplify and systematise the statistical information which is now supplied from official sources, if the subject were to be fully and authoritatively inquired into.

The information may be classified as follows:—

I.—Local Government reports and papers.
II.—Population statistics.
III.—Education statistics.
IV.—Judicial and prison statistics.
V.—Financial statistics.
VI.—Board of Trade returns.
VII.—Miscellaneous reports and papers.

And my Lords propose to appoint a committee to inquire into and report upon these, attention being directed more especially to the following points:—

(1).—The great mass, and possibly unnecessary details, to be found in some of the annual volumes of statistics.

(2).—The duplication of printing which prevails very largely by means of anticipatory publications of more complete volumes of statistics and otherwise.

(3).—The evils of differences in form in compiling statistics on the same subject for England, Scotland, and Ireland, and the want of harmony in the headings, classifications, dates, and other points where statistics on different subjects, which are allied directly or indirectly, ought to be made capable of inter-comparison.

My Lords propose to ask the following gentlemen to act on the Committee:—

The Right Hon. H. C. Childers, M.P.
M. Ridley, Esq., M.P.
A. J. Balfour, Esq., M.P.
T. H. Farrer, Esq., Board of Trade.
J. Lambert, Esq., C.B., Local Government Board.
Colonel Romilly, Commissioner of Customs.
R. Anderson, Esq., Home Office.

And they are pleased to nominate as Secretary Mr. James M. Carmichael, whose services the Lords Commissioners of the Admiralty are willing to place at the disposal of the committee.

No. 2.

Dated 6, Craig's Court, Charing Cross, S.W., 21st September 1877.

From—The Secretary to the Statistics Committee,

To—The Under Secretary of State for India.

I AM directed by the Committee appointed by the Treasury to inquire into the subject of official statistics to request that you will move the Secretary of State for India in Council to obtain for them a tabulated return of the statistical publications compiled by the Government of India, together with a description of the manner in which they are prepared and published—namely, whether by a distinct statistical department, exercising a general control over the extent and character of the statistics to be compiled, or independently by the several departments with which the statistics are connected.

2. My committee would wish the list of these statistics to be of the nature of an *index raisonné*, so as to give some idea of their form an extent, and they would be glad to receive specimens of those publications where the statistics are most abstracted; they would also be glad to know to what extent the statistics collected by the Indian Government Departments are circulated or sold in India.

No. 3[illegible].

Copy forwarded to the Public Works Department with a request that the information asked for by the Secretary of State may be supplied to this Department for transmission to His Lordship.

To
The Joint Secy to the Govt of Madras
P.W. Dept. Irrigation Branch

P. W. 1078 Dept.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General. No. 7233

To

Circular No. 47 Public Works.

Dated Simla, June 10th, 1878.

Received 25th June

Asking that lists of statistical publications of the nature specified may be submitted at a very early date.

No. 1302 b. 4.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General.

To

The Joint Secy. to the Govt. of Madras

P. W. Department, Irrigation Branch.

Simla, 29th October 1878.

The undersigned is directed to again invite attention to the letter noted below, and to request that the reply may be expedited.

W. B. Sampson

Under Secy. to Govt. of India.

P. W. D. Circular No. 47, dated 10th June 1878, requesting that a list of statistical publications of the nature specified therein may be submitted at a very early date.

No. 1503 E. G.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.
General

To No. 1235 E of 78

The Secretary to the Govt. of Madras
Public Works Departt. Railway Br.

Simla, 29th October 1878.

The undersigned is directed to again invite attention to the letter noted below, and to request that the reply may be expedited.

W. Lumsden

Under Secy. to Govt. of India.

P. W. D. Circular No. 47, dated 10th June 1878 requesting that a list of statistical publications of the nature specified therein may be submitted at a very early date.

No. 1503 t. 4.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ESTABLISHMENT.

General

To No. 12560

The Secretary to the Govt. of Madras

Public Works Department.

Simla, 29th October 1878.

Recd 4th Nov.

The undersigned is directed to again invite attention to the letter noted below, and to request that the reply may be expedited.

W. B. Sampson

Under Secy. to Govt. of India.

Ltr No. 4702 F-16-12-78

P. W. D. Circular No. 47, dated 10th June 1878, requesting that a list of statistical publications of the nature specified therein may be submitted at a very early date.

Misc No. 4332 N-11-11-78

Comp 12 1214-12-78.

No 4755 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th Decr 1878.

Read the following :—

Copy of Note in the Public Dept (Ill. No 656 of 10 April 1878)
& Cir: from the Govt of India (Ill. No 47 of 10 June 1878)

Ordered that the index raisonné be supplied to the Public Department with reference to G.O. No 656 of 10 April 1878 in that Department, and that a copy be forwarded to the Government of India with reference to Circular No 47 of 10th June 1878.

The Chief Engineer for Irrigation has already forwarded an Index

to Irrigation Statistical Returns and the Consulting Engineer will, when submitting the Railway Index to the Government of India, supply the Public Dept with a copy for information.

(N. C. No 4758 dd 14-12-78)

A copy of the above forwarded to the Govt of India

Secy to Govt 4-12-78

Chief Engr for Irrig. with Index
Survey Engr for Rys & Bridges with Index
Public Department with Index.

Secy to Govt 5-2-79

Secy to Govt 5-2-79

Mus 4 332(3). 11-11.78

Govt. of {1878} Madras.

PUBLIC WORKS

To

Dated

Issued

Recd

Encl.

Under Reconnt of the
General Statement of Public
Buildings issued by the Pub. Dept
Corrected to the Public
Dept and Corresponds with
the Ledger.

Under plan annexed of
the General Statement of
Public Buildings issued by the
Pub. Dept Madras