2. Date of Copy.
3. Mark of Reference.

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2269 Press Mis.

Dated 5—12—1857

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 8th December 1857.

Read the following papers.

No. 63. Report from Colonel C. E. FABER, Chief Engineer; to H. FORBES, Esq., Acting Secretary to Government, dated 6th November 1857, No. 2188.

SIR,

I have the honor to forward for the information of the Right Honorable the Governor in Council and for transmission to the Government of India, the Progress Report of Public Works for the Official year 1856-57, prepared in accordance with the forms laid down for my guidance.

2. This report is accompanied by the following Supplemental Statements, namely:—

1. Synopsis of expenditure on Public Works under the different branches.
2. Tabular view of expenditure in more detailed classification of subjects.
3. Abstract of classified expenditure.
4. Statement shewing the results of certain remunerative works.
5. Statistics of expenditure on the great works of the country.
6. List of Officers who most distinguished themselves during the past year.

3. The entire expenditure of the year under all heads is Rupees 68,74,202, subdivided as follows:—

		Rs.
Civil—	New works	...26,89,116
	Repairs	...18,38,422
Military—	New works	... 8,72,499
	Repairs	... 97,545
		54,97,582
Establishments		...13,76,620
	Total	68,74,202

4. The expenditure upon Civil new works embraces the following particulars:—

	Rs.
Irrigation	... 8,46,751
Roads and Communications	...13,75,611
Buildings—General	... 1,61,285
„ Political	... 29,645
„ Revenue	... 80,417
„ Judicial	... 89,559
„ Ecclesiastical	... 13,078
„ Educational	... 132
„ Marine	... 92,638
Total	26,89,116

5. The principal irrigation works executed are in the Districts of Rajahmundry, Masulipatam, Guntoor and North Arcot, being in development of the Projects for the large annicuts on the rivers Godavery, Kistnah, and Palaur. Owing to the financial restriction imposed by the Government of India, no new works of any magnitude except those necessary to carry out an already sanctioned scheme, have been undertaken, and a detailed account of these and of the progress made, will be found in the appropriate columns of the Report herewith transmitted.

See also the Adminstration Report for the past year.

6. Under the head of Roads and Communications, the expenditure has been as follows:—

	Rs.
On Trunk roads	... 2,61,511
Secondary roads	... 4,21,606
Ferries and bridges	... 4,35,234
Dâk Bungalows	... 10,320
Navigable Canals	... 2,43,940
Total....	13,75,611

The principal Trunk road in progress during the year is No. 6 passing through the Northern Districts of the Presidency. In Bellary also a large expenditure has been incurred in improving the main lines of that till lately almost roadless District. Among the Secondary communications, those of North Arcot and Canara deserve mention as having been under extensive prosecution during the year. A detailed account of every improvement in the above and other Districts, will be found in the report already referred to.

7. Some most useful and important bridges have been completed, or nearly completed, during the past year. Among these may be mentioned the Aska and Injelly bridges in Ganjam and the 2 bridges across the Coleroon at Anacaren Choultry and the lower annicut, though the latter has been opened for general use since the expiration of the year. The large bridges in course of construction across the Palaur in North Arcot, the Ponyeaur in South Arcot, the Hindree in Kurnool and the Ambravutty inthe Dindigul Division of Madura have also made considerable progress towards completion during the period under review.

8. The largest expenditure in projects of Navigation has occurred in the Rajahmundry and Tanjore Districts and some progress has taken place on the Eastern Coast Canal Project. In the former District, the widening of the old Tooliabagah channel to Cocanada in the Eastern Delta some process to and the prolongation of the Palcole channel to Nursapore in the Western Delta and the prosecution of the Cocanada and Samulcottah junction Canal were the principal works executed during the year; in the latter, the improvement of the Canal from Tranquebar to Trimulvassul and the Coleroon and Vellaur, with the construction of ferry boats formed the principal items of Navigation expenditure. The Sadras section of the Eastern Coast Canal has been opened for traffic to the distance of 35 miles, and it constitutes the most prominent undertaking accomplished during the past year on the great, but still interrupted and incomplete line of inland water communication intended eventually for the entire Eastern Coast of the Madras Presidency.

9. In the class of Civil buildings, no work has been executed in the provinces deserving special mention, in the present epitome of the year's operations. The main expenditure has taken place in the City of Madras where 12,469 Rupees have been spent on Hospitals, 78,033 Rupees in Municipal improvements, 27,230 Rupees in sea defences, 27,329 Rupees on Government offices, Rupees 38,712 on improvements to the Custom House, Rupees 4,816 in the Salt Department, Rupees 33,617 in the Police and Jail Departments, and Rupees 5,542 on Marine buildings. Under the last head there is an expenditure of Rupees 76,207 in Rajahmundry which refers chiefly to the improvements which have proved so successful to the Coringa and Cocanada Harbours.

10. In the Military Department, Rupees 2,724 were spent in Nellore on Military and Ordnance buildings, Rupees 7,217 in Bellary, and Rupees 22,848 in Madras. For providing accommodation for Troops, no less than 7,20,207 Rupees have been laid out in the course of the year, comprising Rupees 20,797 in Bellary chiefly on account of the external verandahs sanctioned for the new European Barracks, Rupees 3,14,439 in Coimbatore on account of the buildings for the accommodation of an European Regiment at Jackatallah on the Neilgherries; Rupees 2,82,729 at Secunderabad on similar works in that Cantonment, and Rupees 69,771 in Mysore for the Dragoon Barracks at Bangalore. On Stud and Commissariat buildings, the entire expenditure is Rupees 6,558, and Rupees 24,588 have been expended on Cantonment roads at Saint Thomas' Mount, Ootacamund and Madras.

11. The total expenditure on repairs in the Civil Department is Rupees 18,38,422; and in the Military Department Rupees 97,545. The former item is to be classified thus:—

	Rs.
Repairs to Irrigation works...	..11,95,244
Roads and Communications	... 5,41,195
Buildings—Public	... 46,011
„ Political	... 0
„ Revenue	... 18,116
„ Judicial	... 23,150
„ Ecclesiastical	... 6,816
„ Educational	... 3,648
„ Marine	... 1,212
Total.....	18,38,422

12. The expenditure on establishments in the present year forms a striking contrast to that of the preceding year; the latter being Rupees 7,68,419 whilst for the establishments of the period now under review the aggregate outlay is given at Rupees 13,76,620 including contingencies. This increase is partly owing to the augmentation and the re-organization of the Department which took effect from 1st January 1857, but the great bulk of the increase, is mainly to be attributed, I think, to some difference in the principal of computation adopted by the Civil and Military Auditors and the Accountant General. Thus, whilst the former Officers reported the charge on account of establishments in last year to be Rupees 7,68,419, the statement for the very same charge furnished by the latter (which was received after the despatch of the Progress Report) made it, Rupees 12,95,841, shewing a discrepancy of Rupees 5,27,422. The amount for the present year was furnished by the Accountant General, and should therefore properly be contrasted with Rupees 12,95,841 instead of Rupees 7,68,419.

13. The Statement shewing the financial results of remunerative works has been prepared in the same manner as it was last year, namely from the returns furnished by the local Officers; but it is apprehended that the nature of this Statement is not correctly understood, and it may be advisable to solicit the instructions of the Government of India on the subject. Every Irrigation work in the Madras Presidency is a remunerative work, but it seems obvious that the Government of India do not require a list of the whole of these. Upon what principle then is a selection to be made? If the statement is to comprise works in progress it is clear that a return of profit cannot be expected from them, as the incomplete works have not been brought into operation; on the other hand, if it is to include finished works only, then some rule of limitation is necessary as to the nature and class of works to be included. An examination of the Statement now submitted will shew both the justness and the necessity of these observations. Turning to the District of North Arcot, it is found that the construction of a Calingulah to the Thayanoor tank is alleged to have caused an increase of Revenue of Rupees 108, or of 15·1 per cent. on the expenditure. This is inadmissible without further explanation, so also in the case of the Valeethageepooram Chittairy, an expenditure of 41 Rupees is shewn to have produced an increase of 390 Rupees in the Revenue, which also seems in the highest degree improbable. With such examples, it is to be feared that the Statement is not to be absolutely relied upon, and that its nature has either not been sufficiently explained, or else it has been misunderstood by the local Officers. The Government of India possibly only require a list of such works as Cochrane's Canal, from which a direct return is received in the shape of Tolls, but if this supposition be correct, then it is obvious that the list for this Presidency will be very small indeed.

14. The Statement of Statistics of expenditure on the great works of the country has been prepared as in last year, and calls for no particular remark.

15. The list of Officers who have distinguished themselves has been prepared from the reports of the District Engineers, and contains the names of those who have been conspicuous for their executive ability. The orders of Government do not require the names of other Officers to be mentioned, but if I am at liberty to do so, I will venture to add to the list, those of my own "stated advisers" the Superintending Engineers, and also the District Engineers generally, for their able discharge of the administrative functions of their several Offices during the year under review.

No. 64. Letter from G. L. PRENDERGAST, Esq., Accountant General; to H. FORBES, Esq., Acting Secretary to Government, dated 13th November 1857, No. 238.

SIR,

I have the honor to inform you that the Statement shewing the expenditure on account of Public Works in this Presidency for the official year 1855-56, was dispatched to your office for transmission to the Government of India on the 15th October 1856, but I am unable to submit, as yet, a similar Return for the past official year 1856-57, in consequence of the Journals of the Chief Engineer in the Department of Public Works (from which alone it can be prepared) not having been received from January to April 1857. I have received the Journals only up to December 1856, and it is not likely that the others will be sent by the Chief Engineer for some-time* yet. The Statement for 1855-56 was prepared from the Returns obtained from the Collectors, but as all the detailed accounts for the Public Works expenditure have been kept by the District Engineers from 1st May 1856, and rendered to the Chief Engineer under the new system of accounts, the Collectors have *now* no means of furnishing such Returns. I have therefore thought it proper to state the circumstance for the information of Government. As soon as the Journals from the Chief Engineer, up to April 1857 shall have been received, I will lose no time in preparing and submitting to Government the Statement required by the Government of India.

* The cause of which he has explained to this office.

No. 65. ORDER THEREON, No. 2269; dated 7th December 1857.

Para. 1. With his letter of the 6th November, the Chief Engineer forwards reports shewing the progress made in the execution of the works enumerated in the Budget of this Presidency for the year 1856-57, prepared in conformity with the instructions of the Government of India communicated in Colonel Baker's letters of the 18th May 1855, No. 285, and 30th May 1856, No. 2131. The Chief Engineer has made no reference to these dates, an omission which he will be pleased to avoid in future.

2. By the former of these orders the Progress Reports are required to be submittted three months after the close of each official year, or on the 1st August; and in a later letter from Colonel Baker, dated 15th November 1856, No. 5326, special reference was made to the great delay in the submission of the progress reports of this Presidency. Those now received are dated 6th November 1857, or three months after the time appointed for their transmission; the Chief Engineer has partly accounted for this delay in his letter of the 29th September last, No. 4050, but the Government of India will scarcely receive his explanation as satisfactory, considering the importance attached by them to these statements and to their early transmission. The Government request that the Chief Engineer will make an effort to obtain the Reports from the provinces in future in sufficient time to enable him to compile and submit his Report with more regularity for transmission to the Government of India.

3. The late date at which these Reports have been laid before Government, does not enable the Right Honorable the Governor in Council to scrutinize their details or to comment upon them; he will therefore confine himself to a few remarks which a general view of the statements shews to be necessary.

	Total estimated cost.	Expenditure during the year.	Total Expenditure.
	Rs.	Rs.	Rs.
Works in No. 1 of the Budget of 1856-57	60,13,682	5,40,743	7,45,585
Works in No 2 do.	88,76,807	21,49,042	55,61,467
Additional works not included in the Budget	34,40,825	8,71,830	30,29,634
	183,31,314	35,61,615	93,36,686
Repairs		19,35,967	
		54,97,582	
Establishment and Contingencies		13,76,620	
Grand Total		68,74,202	

4. The total expenditure is shewn to have been Rupees 68,74,202, of which Rupees 13,76,620 was on account of establishments and Contingencies, leaving Rupees 54,97,582 as the real expenditure on Public Works. Of this latter sum Rupees 19,35,967 were laid out on Repairs, the remainder Rupees 35,61,615 being the expenditure on new works, viz.

	Rs.
Irrigation	8,46,751
Trunk and Secondary roads, Ferries, Canals, Bridges, &c.	13,75,611
Buildings	4,66,754
Total Civil	26,89,116
Military buildings, accommodations for Troops	8,72,499
Total expenditure	35,61,615

5. The expenditure on account of the works in Statement No. 1 of the Budget, was very limited having been only Rupees 5,40,743, or about 9 per cent. of the aggregate amount of their estimates, which is accounted for, partly by many estimates involving large outlay and consequent reference to the Honorable Court of Directors not having been sanctioned during the year, but chiefly by the restriction imposed by the Government of India, which prevented new works of magnitude being taken up for execution. The outlay on works in Statement No. 2 was somewhat larger having been Rupees 21,49,042, or about a fourth of the aggregate of their estimates. On additional works executed on emergent or supplemental estimates, or on estimates appertaining to the Budget of years previous to that reported upon, Rupees 8,71,830 are shewn to have been expended. The total amount of estimates for all works, including those for which sanction had not been received, was Rupees 183,31,314, the expenditure to the close of the past official year Rupees 93,36,686, leaving a balance of Rupees 89,94,628 to be worked upon in future years.

6. The amount laid out in repairs was Rupees 19,35,967, or above that expended on the same account in the past year by a little more than a lac* of Rupees. The cost of the establishment and contingencies was high being about 20 per cent. of the outlay on Public Works, which is in some measure attributed to the limited operations carried on during the year; a larger expenditure would have shewn a more favorable percentage.

	Rs.
* 1855-56	18,27,887
1856-57	19,35,967
Total	1,08,080

7. In para. 13, the Chief Engineer solicits instructions as to the principle on which the Statement (No. 4) shewing the financial results of remunerative works is to be prepared. Colonel Faber apprehends that the nature of this statement is not correctly understood, every irrigation work in the Madras Presidency, he says, is a remunerative work, and as it is obvious that a list of the whole of these cannot be required, he enquires upon what principle the selection is to be made, whether works in progress are to be included in the statement, or if it should comprize only completed works, and in this case, the nature and class of works to be included. The Governor in Council observes that under the instructions of the Government of India, communicated in the papers noted in the margin, the statement of remunerative works is to include only works that have cost 10,000 Rupees and upwards; works the cost of each of which falls below that amount being altogether excluded from the return. This Statement has heretofore been prepared by the Accountant General, but as the detailed accounts of expenditure in the Public

Financial Ex. 9th Feb. 1855, No. 929
Do. letter 17th May " " 1800

Works Department have been transferred from the Collectors to the District Engineers, that Officer is no longer enabled to comply with this requisition. The Government resolve therefore in communicating the instructions of the Government of India referred to above, to the Chief Engineer to request him to prepare the statement in future, in the form laid down in those papers and to supply it in substitution for that now accompanying the Progress Reports. Colonel Faber will at once circulate the form to all the District Engineers, and instruct them to prepare and forward the Statement for 1856-57, obtaining the necessary information from the Collectors regarding the returns of revenue upon such of the works as may be included in the Statement.

8. The details communicated in the list numbered 6 in the Chief Engineer's letter, do not, in the opinion of the Governor in Council, meet the requirements of the Government of India. That list was intended to furnish information respecting those Officers who had, in the operations of the year, " distinguished themselves by skill and accuracy in design, or by vigour and economy " in execution." It occurs to the Governor in Council that the characteristics of " active" " hard-working," " intelligent," and the like assigned to most of the persons mentioned in the list, do not come within the above category ; they are the ordinary requirements of the service, and are applicable to the department generally. The Governor in Council requests that Colonel Faber will confine his reports in future to those instances of conspicuous merit, distinguishable from the ordinary performance of duty, which require to be specially noticed, and that, in bringing forward the names of the Officers of his department, he will be careful to specify the particulars and the nature of the service that in his opinion call for commendation.

9. The Government learn from the Accountant General's letter of the 13th November that he is unable to supply the Financial Statement required by the Government of India, to shew the whole expenditure on account of the Public Works of this Presidency, in consequence of the Journals of the Chief Engineer in the Department of Public Works not having been furnished to him since January last. They resolve to call on the Chief Engineer to explain the cause of this great delay, and to request that he will expedite his Journals so as to enable the Accountant General to complete his Statement for transmission to the Government of India on an early date.

(Signed) H. FORBES,
Acting Secretary to Government.

No. 66. Ordered in consequence that the following letter be despatched.

From H. FORBES, Esq., Acting Secretary to the Government of Fort Saint George ; to the Secretary to the Government of India, D. P. W., dated 7th December 1857, No. 2270.

SIR,

Para. 1. I am directed by the Right Honorable the Governor in Council, to forward, for submission to the Right Honorable the Governor General of India in Council, the accompanying copy of a letter, and of Reports, from the Chief Engineer, dated 6th November 1857, shewing the progress made in the execution of the works entered in the Budget of this Presidency for the year 1856-57, prepared in conformity with the instructions communicated in your letters of the 18th May 1855, No. 285 and 30th May 1856, No. 2131.

2. The Reports now forwarded are :

1. Progress of Projects entered in Statement No. 1 of the Budget.
2. Do. of works in Statement No. 2 of the Budget
3. Do. additional works, comprizing works executed on emergency, or on supplemental estimates, works appertaining to Budgets of years previous to that reported upon, and those not included in any Budget.
4. Synopsis of expenditure on Public Works under the different branches.
5. Salaries, establishments and contingencies.
6. Tabular view of expenditure on Public Works in more detailed classification of objects.

7. Abstract of classified expenditure.
8. Statement shewing the financial results of certain remunerative works.
9. Statistics of expenditure on the great works in progress.
10. List shewing the names of Officers who most distinguished themselves in the Department Public Works during the past year.

3. The arrangement in the two first reports is the same as in the Lists Nos. 1 and 2 of the Budget to which they relate, as directed in the instructions communicated to this Government on the 18th May 1855. The works executed on emergent and supplemental estimates, or on estimates appertaining to the Budgets of years previous to that under report, were, as in the previous year, very numerous and occupy a large portion of the Report.

4. These reports exhibit the following expenditure :

	Total estimated cost.	Expenditure during the year.	Total expenditure.
	Rs.	Rs.	Rs.
Works entered in Statement No. 1 of the Budget of 1856-57	60,13,682	5,40,743	7,45,585
Works entered in Statement No. 2 of the Budget of 1856-57	88,76,807	21,49,042	55,61,467
Additional works not included in the Budget	34,40,825	8,71,830	30,29,634
	183,31,314	35,61,615	93,36,686
Repairs as shewn in the Synopsis.....	.....	19,35,967	
		54,97,582	
Charges of establishment for the whole Department including contingencies	.....	13,76,620	
Grand Total of expenditure.....	.....	68,74,202	

5. The expenditure of the year may be thus classified :

	New works.	Repairs.	Total.
	Rs.	Rs.	Rs.
CIVIL.			
Irrigation.....	8,46,751	11,95,244	20,11,995
Trunk and Secundary roads, ferries, bridges, bungalows,	13,75,611	5,41,195	19,16,806
Navigable Canals	4,66,754	1,01,983	5,68,737
Buildings			
	26,89,116	18,38,422	45,27,538
MILITARY.			
Accommodation for Troops, Ordnance buildings, Cantonment roads, &c.....	8,72,499	97,545	9,70,044
Total Rupees.....	35,61,615	19,35,967	54,97,582

6. It will be seen that the expenditure on works whose estimates exceed 25,000 Rupees, has been very limited, having been not more than Rupees 5,40,743, or 9 per cent. of the aggregate amount of the estimates comprized in No. 1 Statement of the Budget of 1856-57. This result is accounted for, partly, by the circumstance that several works, involving very heavy expenditure, which had been recommended to the Honorable Court of Directors, had not been sanctioned during the year; but, chiefly by the restriction imposed by the Government of India, which prevented new works of any magnitude being undertaken, except those necessary to carry out a scheme already commenced. The outlay on works comprized in Statement No. 2 was somewhat larger, having been Rupees 21,49,042, or about one-fourth of the amount of their aggregate estimates. Repairs to the amount of Rupees 19,35,967 were also executed, being a little more than a lac of Rupees above the amount expended on the same account in the previous year. The charges of establishment, including contingencies, amounted to

	Rs.
1855-56.....	18,27,887
1856-57.....	19,35,967
Total ..	1,08,080

Rupees 13,76,620; this is high in comparison with the aggregate of expenditure incurred, being in the ratio of 20 per cent., and is partly attributable to the limited extent of work undertaken during the year.

7. In para. 13 of his letter, the Chief Engineer solicits further instructions as to the principle on which the statement shewing the financial results of remunerative works is in future to be prepared. Colonel Faber apprehends that the nature of this statement is not correctly understood, every irrigation work in the Madras Presidency, he says, is a remunerative work, and as it is obvious that a list of the whole of these cannot be required, he enquires upon what principle the selection is to be made, whether works in progress are to be included in the statement, or whether it should comprize only completed works, and in this case, the nature and class of works to be included. The Government have informed Colonel Faber that, under the instructions of the Government of India noted in the margin, the statement of remunerative works is to include only works that have cost 10,000 Rupees and upwards; works the cost of each of which falls below that amount being altogether excluded from the Return. This statement has heretofore been prepared by the Accountant General, but as the detailed accounts of expenditure in the Public Works Department, have been transferred from the Collectors to the District Engineers, that Officer is no longer able to comply with the requisition; the Government have therefore directed Colonel Faber to prepare this statement in future, in the form laid down by the Government of India, and to supply it in substitution for that now accompanying the Progress Report.

Financial Ext. 9th Feb. 1855, No. 929
Do. letter 17th May „ „ 1800

8. The details communicated in the List numbered 10 in para. 1 of this letter, do not, in the opinion of the Governor in Council, meet the requirements of the Government of India. That list was intended to furnish information respecting those Officers who had, in the operations of the year, "distinguished themselves by skill and accuracy in design, or by vigour and economy in execution." It occurs to the Governor in Council that the characteristics of active, hard working, intelligent, and the like, assigned to most of the persons mentioned in the list, do not come within the above category; they are the ordinary requirements of the service, and are applicable to the Department in general. The Governor in Council has instructed the Chief Engineer to confine his reports in future to those instances of conspicuous merit, distinguishable from the ordinary performance of duty which require to be specially noticed, and to be careful, in bringing forward the names of the Officers of his Department, to specify particulars, and the nature of the service that, in his opinion, calls for commendation.

9. I have the honor further to forward report and statements from Major A. T. Jenkins, explanatory of the Proceedings of the Madras Railway Company for the year closing with the 30th April 1857, accompanied by remarks made by the Consulting Engineer on the same.

10. The Government are not enabled at present to supply the Financial statement required by the Government of India, to shew the whole expenditure on Public Works in the different branches, as the Accountant General has reported his inability to prepare it, owing to the Journals of the Chief Engineer not having been furnished to his office since January last. The Chief Engineer has been called upon to explain the cause of the delay, and requested to expedite his Journals, so as to enable the Accountant General to comply with the requisition of the Government of India.

11. In conclusion I am directed to express his Lordship's regret at the delay that has occurred in the submission of these reports. It has been owing to the late period at which some of the statements from the provinces were received at the Central Office, and to the necessity afterwards for calling for further information; but, it is to be hoped, now that the Chief Engineer has been urged to make an effort to obtain the District statements with more punctuality that future reports will be laid before the Government of India at the appointed time.

PUBLIC WORKS DEPARTMENT.
Public.

Fort Saint George,
7th December 1857.

No. 2270.

From

H. FORBES, Esq.,
Acting Secretary to the Government of Fort St. George.

To

The Secretary to the Government of India, D. P. W.

SIR,

Para. 1. I am directed by the Right Honorable the Governor in Council, to forward, for submission to the Right Honorable the Governor General of India in Council, the accompanying copy of a letter, and of Reports, from the Chief Engineer, dated 6th November 1857, shewing the progress made in the execution of the works entered in the Budget of this Presidency for the year 1856-57, prepared in conformity with the instructions communicated in your letters of the 18th May 1855, No. 285 and 30th May 1856, No. 2131.

2. The Reports now forwarded are:

1. Progress of Projects entered in Statement No. 1 of the Budget.
2. Do. of works in Statement No. 2 of the Budget
3. Do. additional works, comprizing works executed on emergency, or on supplemental estimates, works appertaining to Budgets of years previous to that reported upon, and those not included in any Budget.
4. Synopsis of expenditure on Public Works under the different branches.
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8. Statement shewing the financial results of certain remunerative works.
9. Statistics of expenditure on the great works in progress.
10. List shewing the names of Officers who most distinguished themselves in the Department Public Works during the past year.

3. The arrangement in the two first reports is the same as in the Lists Nos. 1 and 2 of the Budget to which they relate, as directed in the instructions communicated to this Government on the 18th May 1855. The works executed on emergent and supplemental estimates, or on estimates appertaining to the Budgets of years previous to that under report, were, as in the previous year, very numerous and occupy a large portion of the Report.

4. These reports exhibit the following expenditure:

	Total estimated cost.	Expenditure during the year.	Total expenditure.
	Rs.	Rs.	Rs.
Works entered in Statement No. 1 of the Budget of 1856-57	60,13,682	5,40,743	7,45,585
Works entered in Statement No. 2 of the Budget of 1856-57	88,76,807	21,49,042	55,61,467
Additional works not included in the Budget	34,40,825	8,71,830	30,29,634
	183,31,314	35,61,615	93,36,686
Repairs as shewn in the Synopsis.....	.....	19,35,967	
		54,97,582	
Charges of establishment for the whole Department including contingencies	.....	13,76,620	
Grand Total of expenditure.....	.....	68,74,202	

5. The expenditure of the year may be thus classified:

	New works.	Repairs.	Total.
CIVIL.	Rs.	Rs.	Rs.
Irrigation	8,46,751	11,95,244	20,11,995
Trunk and Secundary roads, ferries, bridges, bungalows, Navigable Canals	13,75,611	5,41,195	19,16,806
Buildings	4,66,754	1,01,983	5,68,737
	26,89,116	18,38,422	45,27,538
MILITARY.			
Accommodation for Troops, Ordnance buildings, Cantonment roads, &c.	8,72,499	97,545	9,70,044
Total Rupees	35,61,615	19,35,967	54,97,582

6. It will be seen that the expenditure on works whose estimates exceed 25,000 Rupees, has been very limited, having been not more than Rupees 5,40,713, or 9 per cent. of the aggregate amount of the estimates comprized in No. 1 Statement of the Budget of 1856-57. This result is accounted for, partly, by the circumstance that several works, involving very heavy expenditure, which had been recommended to the Honorable Court of Directors, had not been sanctioned during the year; but, chiefly by the restriction imposed by the Government of India, which prevented new works of any magnitude being undertaken, except those necessary to carry out a scheme already commenced. The outlay on works comprized in Statement No. 2 was somewhat larger, having been Rupees 21,19,042, or about one-fourth of the amount of their aggregate estimates. Repairs to the amount of Rupees 19,35,967 were also executed, being a little more than a lac of Rupees above the amount expended on the same account in the previous year. The charges of establishment, including contingencies, amounted to Rupees 13,76,620; this is high in comparison with the aggregate of expenditure incurred, being in the ratio of 20 per cent., and is partly attributable to the limited extent of work undertaken during the year.

	Rs.
1855-56	18,27,887
1856-57	19,35,967
Total	1,08,080

7. In para. 13 of his letter, the Chief Engineer solicits further instructions as to the principle on which the statement shewing the financial results of remunerative works is in future to be prepared. Colonel Faber apprehends that the nature of this statement is not correctly understood, every irrigation work in the Madras Presidency, he says, is a remunerative work, and as it is obvious that a list of the whole of these cannot be required, he enquires upon what principle the selection is to be made, whether works in progress are to be included in the statement, or whether it should comprize only completed works, and in this case, the nature and class of works to be included. The Government have informed Colonel Faber that, under the instructions of the Government of India noted in the margin, the statement of remunerative works is to include only works that have cost 10,000 Rupees and upwards; works the cost of each of which falls below that amount being altogether excluded from the Return. This statement has heretofore been prepared by the Accountant General, but as the detailed accounts of expenditure in the Public Works Department, have been transferred from the Collectors to the District Engineers, that Officer is no longer able to comply with the requisition; the Government have therefore directed Colonel Faber to prepare this statement in future, in the form laid down by the Government of India, and to supply it in substitution for that now accompanying the Progress Report.

Financial Ext. 9th Feb. 1855, No. 929
Do. letter 17th May „ „ 1800

8. The details communicated in the List numbered 10 in para. 1 of this letter, do not, in the opinion of the Governor in Council, meet the requirements of the Government of India. That list was intended to furnish information respecting those Officers who had, in the operations of the year, "distinguished themselves by skill and accuracy in design, or by vigour and economy in execution." It occurs to the Governor in Council that the characteristics of active, hard working, intelligent, and the like, assigned to most of the persons mentioned in the list, do not come within the above category; they are the ordinary requirements of the service, and are applicable to the Department in general. The Governor in Council has instructed the Chief Engineer to confine his reports in future to those instances of conspicuous merit, distinguishable from the ordinary performance of duty which require to be specially noticed, and to be careful, in bringing forward the names of the Officers of his Department, to specify particulars, and the nature of the service that, in his opinion, calls for commendation.

9. I have the honor further to forward report and statements from Major A. T. Jenkins, explanatory of the Proceedings of the Madras Railway Company for the year closing with the 30th April 1857, accompanied by remarks made by the Consulting Engineer on the same.

10. The Government are not enabled at present to supply the Financial statement required by the Government of India, to shew the whole expenditure on Public Works in the different branches, as the Accountant General has reported his inability to prepare it, owing to the Journals of the Chief Engineer not having been furnished to his office since January last. The Chief Engineer has been called upon to explain the cause of the delay, and requested to expedite his Journals, so as to enable the Accountant General to comply with the requisition of the Government of India.

11. In conclusion I am directed to express his Lordship's regret at the delay that has occurred in the submission of these reports. It has been owing to the late period at which some of the statements from the provinces were received at the Central Office, and to the necessity afterwards for calling for further information; but, it is to be hoped, now that the Chief Engineer has been urged to make an effort to obtain the District statements with more punctuality that future reports will be laid before the Government of India at the appointed time.

I have the honor to be,

Sir,

Your most obedient Servant,

(Signed) H. FORBES,

Acting Secretary to Government.

Bosphes Diff.-g
& Steamer-

P.W.D.

No. 2270.

To

Colonel W. E. Baker

Secretary to the Government

of India Department &c. &c.

Sir,

I am directed by the Right Honorable the Governor in Council, to forward, for submission to the Right Honorable the Governor General of India in Council, the accompanying copy of a letter and of Reports, from the Chief Engineer, dated 6th November 1857, shewing the progress made in the execution of the works entered in the Budget of this Presidency for the year 1856/57, prepared in conformity with the instructions communicated in

in your letters of the 2 May / 30th May 1856 No 2431.

2 The Reports now forwarded are

1. Progress of projects entered in Statement No 1 of the Budget.
2. Do of works in Statement No 2 of the Budget.
3. Do additional works, comprizing works executed on emergency, or on supplemental Estimates, works appertaining to Budgets of years previous to that reported upon, and those not included in any Budget.
4. Synopsis of expenditure on Public works under the different branches.
5. Salaries, Establishments and Contingencies.
6. Tabular view of expenditure on public works in more detailed Classification of objects.
7. Abstract of classified expenditure.
8. Statement shewing the financial results of certain remunerative works.
9. Statistics of expenditure on the great works in progress.
10. List shewing the names of officers who most distinguished themselves in the Department Public Works during the past year.

3 The arrangements in the two first reports is the same as in the Lists No 1 and 2 of the Budget to which they relate, as directed in the instructions Communicated to this Government on the 18th May 1855. The works executed on emergent and supplemental Estimates, or on estimates appertaining to the Budgets of years previous to that under report, were, as in the previous year, very numerous

numerous and occupy a large portion of the Report.

4 These reports exhibit the following expenditure.

	Total estimated Cost to Rs.	Expenditure during the year Rs.	Total expenditure Rs.
Works entered in Statement № 1 of the Budget of 1856/57	6013682	540743	745585
Works entered in Statement № 2 of the Budget of 1856/57	8876807	2149042	5561467
Additional works not included in the Budget	3440825	871830	3029634
	18331314	3561615	9336686
Repairs as shewn in the Synopsis			1935967
			5497582
Charges of Establishment for the whole department including Contingencies			1376620
Grand Total of Expenditure			6874202

5 The expenditure of the year may be thus classified.

	New works. Rs	Repairs. Rs	Total. Rs
Civil			
Irrigation	846751	1195244	2041995
Trunk and Secondary roads, Ferries, Bridges, Bungalows, Navigable Canals	1375611	541195	1916806
Buildings	466754	101983	568737
	2689116	1838422	4527538
Military.			
Accommodation for Troops, Ordnance buildings, Cantonment roads &c.	872499	97545	970044
Total Rupees	3561615	1935967	5497582

It

6 It will be seen that the expenditure on works whose estimates exceed 25000 Rupees, has been very limited, having not more than Rupees 540743, or 9 per cent of the aggregate amount of the Estimates comprized in № 1 Statement of the Budget of 1856/57. This result is accounted for, partly by the circumstance that several works, involving very heavy expenditure, which had been recommended to the Honorable Court of Directors, had not been sanctioned during the year, chiefly by the restrictions imposed by the Government of India, which prevented the new

new works of any magni=
=tude being undertaken,
except those necessary
to carry out a scheme
already commenced. The
outlay on works com=
=prized in Statement
No. 2 was some what larger,
having been Rupees 21,49,042,
or about one fourth
of the amount of their
aggregate Estimates.
Repairs to the amount
of Rupees 19,35,967 were
also expended, em
bracing a little more
than a lace of Rupees
above the amount
expended on the same
account

1855/56 Rs. 18,27,807
1856/57 — 19,35,967
Rs. 1,08,060

account in the previous year.
The charges of Establishment,
including Contingencies, amount
=ed to Rupees 13,76,620, this is a
high in comparison
with the aggregate of expendi=
=ture incurred, being in the
ratio of 20 per cent, and is
partly attributable to the
limited extent of work under=
=taken during the year.

In para 13 of his letter,
the Chief Engineer solicits
further instructions as to the
principle on which the State=
=ment shewing the financial
results of remmunerative works
is in future to be prepared.
Colonel Faber apprehends that
the nature of this Statement
is not correctly understood, in
every irrigation work in the
Madras Presidency he says,
is a remmunerative work, and

as

as it is obvious that a list of the whole of these cannot be required, he enquires upon what principle the selection is to be made, whether works in progress are to be included in the Statement, or whether it should comprize only completed works, and in this case, the nature and class of works to be included. The Government have informed Colonel Faber that, under the instructions of the Government of India noted in the Margin, the Statement of remunerative works is to include only works that have cost 10,000 Rupees and upwards; works the cost of each of which falls below that amount being altogether excluded from the Return. This Statement has heretofore been

Financial Cons^{te} 9th February 1855. N^{o} 929.
Financial Letter 17th May — — — 1855.

been prepared by the Account: ant General, but as the detailed accounts of expendi: ture in the Public Works Dep^{t} have been transferred from the Collectors to the District Engineers, that Officer is no longer able to comply with the requisitions; the Govern: ment have therefore directed Colonel Faber to prepare this Statement in future, in the form laid down by the Govern^{t} of India, and to supply its in substitution for that now ceasing in carrying the progress reports.

8 The details com: municated in the List numbered 10 in para^{t} of this letter, do not, in the opinion of the Governor in Council, meet the require: ments of the Government of India.

India. That List was intended to furnish information respecting those officers who had, in the operations of the year, "distinguished themselves "by skill and accuracy in "design, or by vigour and "economy in execution." It occurs to the Governor in Council that the characteristics of active, hard working, intelligent, and the like, assigned to most of the persons mentioned in the list, do not come within the above category; they are the ordinary requirements of the Service, and are as applicable to the Departments in general. The Governor in Council has instructed the Chief Engineer to confine his reports in future to those instances of conspicuous merit, distinguishable from the ordinary performance of duty, which require to be specially noticed, and to be careful, in bringing forward the names of the officers of his department, to specify particulars, and the nature of the service that, in his opinion, calls for commendation.

9 I have the honor to further to forward Report and Statements from Major A.E. Jenkins, explanatory of the proceedings of the Madras Railway Company for the April year closing with the 30th June 1857, accompanied by remarks made by the Consulting Engineer on the same.

10 The Government are not

not enabled at present to supply the Financial State= =ment required by the Govern= =ment of India, to shew the whole expenditure on public works in the different branches, as the Accountant General has reported his inability to prepare it, owing to the Journals of the Chief Engineer not having been furnished to his office since January last. The Chief Engineer has been called upon to explain the cause of the delay, and requested to expedite his Journals, so as to enable the Accountant General to comply with the requisition of the Government of India.

11 In conclusion I am directed to express His Lordship's regret at the delay that has occurred in the submission of these reports. It has been owing to the late period at which some of the Statements from the provinces were received at the Central Office, and to the necessity after= =wards for calling for fur= =ther information; but, it is to be hoped, now that the Chief Engineer has been urged to make an effort to obtain the District Statements with more punctuality, that future Reports will be laid before the Govern= =ment of India at the appointed time.

I have &c.

Fort St. George
7th Dec. 1857

Copy in a Letter to England
dd. 17th July 1858. No 915.

Public Works 1857 Deptt.
Dto to Govt. 8th Decr.
No 2270.

To The Secretary to the Govt.
of India P. P. Wks
Dated 4th December, 57.

No 66.

Forwarding Copy of a
Letter and of Reports from the Chief
Engineer, shewing the Progress made
in the execution of Works entered in
the Budget of this Presidency for
the Official year 1856-57.

C24 Nov. R30th