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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 3931-387 Press / Mis.

Dated 1 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 14*th December* 1866.

Read the following papers:—

No. 233.	From the Superintending Engineer, 1st Division.	
Do.	do. do.	(Here enter 3rd October 1866, No. 140.)
No. 234.	From the Superintending Engineer, 2nd Division.	
Do.	do. do.	(Here enter 24th September 1866, No. 44.)
No. 235.	From the Superintending Engineer, 3rd Division.	
Do.	do. do.	(Here enter 5th October 1866, No. — .)
No. 236.	From the Superintending Engineer, 4th Division.	
Do.	do. do.	(Here enter 10th October 1866, No. 2,591.)
No. 237.	From the Superintending Engineer, 5th Division.	
Do.	do. do.	(Here enter 15th October 1866, No. 120.)
No. 238.	From the Superintending Engineer, 5th Division.	
Do.	do. do.	(Here enter 19th October 1866, No. 125.)
No. 239.	From the Superintending Engineer, 5th Division.	
Do.	do. do.	(Here enter 15th October 1866, No. 121.)
No. 240.	From the Superintending Engineer, 6th Division.	
Do.	do. do.	(Here enter 13th October 1866, No. 855.)
No. 241.	From the Superintending Engineer, 7th Division.	
Do.	do. do.	(Here enter 12th October 1866, No. — .)
No. 242.	From the Superintending Engineer, 8th Division.	
Do.	do. do.	(Here enter 26th September 1866, No. 1,018.)
No. 243.	From the Controller of Public Works Accounts.	
Do.	do. do.	(Here enter 23rd November 1866, No. 2,771.)
Do.	do. do.	(Do. 10th December 1866, No. 2,951.)
No. 244.	From the General Superintendent, Public Works Stores and Workshops.	
Do.	do. do.	(Here enter 5th November 1866, No. 1,029.)
No. 245.	From the Consulting Engineer, Irrigation and Canal Company.	
Do.	do. do.	(Here enter 9th October 1866, No. 76.)
No. 246.	From the Inspector General of Police.	
Do.	do. do.	(Here enter 21st September 1866, No. 1,584.)
No. 247.	Proceedings of the Board of Revenue.	
Do.	do. do.	(Here enter 2nd November 1866, No. — .)
No. 248.	Proceedings of the Board of Revenue.	
Do.	do. do.	(Here enter 17th November 1866, No. 8,333.)
No. 249.	Proceedings of the Board of Revenue.	
Do.	do. do.	(Here enter 31st October 1866, No. 7,879.)
No. 250.	Proceedings of the Board of Revenue.	
Do.	do. do.	(Here enter 22nd October 1866, No. 7,603.)
No. 251.	Proceedings of the Board of Revenue.	
Do.	do. do.	(Here enter 16th November 1866, No. 8,291.)
Do.	do. do.	(Do. 6th December 1866, No. 8,679.)
No. 252.	Proceedings of the Madras Government, Revenue Department.	
Do.	do. do.	(Here enter 23rd November 1866, No. 3,213.)
No. 253.	From the Director of Public Instruction.	
Do.	do. do.	(Here enter 1st November 1866, No. 2,295.)

Read again Proceedings of Madras Government in the Military Department, dated 2nd November, No. 3,809, and recorded in G. O. No. 3,640, dated 15th November 1866.

Read again letter from the Consulting Engineer for Railways, dated 2nd November, and recorded in G. O. No. 3,574, dated 8th November 1866.

No. 254. ORDER THEREON, 14th December 1866, No. 3,938.

ACCOUNT, No. 24.

1. The papers above read are the Divisional and other Budgets of works which are proposed to be undertaken from Imperial and Local Funds by Officers of the Public Works Department during the year 1867-68.

* Exclusive of Minor Works.

2. The demands* of the Superintending Engineers alone on account of Imperial works amount in the aggregate to Rupees 1,03,48,954, as shown below:—

Divisions.	For New Works.	For Repairs.	Total.
	RS.	RS.	RS.
First Division	5,28,277	3,95,217	9,23,494
Second do.	3,89,138	2,18,493	6,07,631
Third do.	3,83,592	3,54,722	7,38,314
Fourth do.	33,47,662	6,41,260	39,88,922
Fifth do.	8,04,105	2,97,694	11,01,799
Sixth do.	4 56,355	3,68,082	8,24,137
Seventh do.	13,09,005	2,86,591	15.86 595
Eighth do.	2,77,758	3,00,003	5,77,761
Total	74,86,892	28,62,062	103,48,954

3. The attention of the Superintending Engineers will be drawn to the necessity for their Budget Estimates being prepared more with reference to the outlay in their respective Divisions in previous years and to the funds which are likely to be made available. It must be apparent that a Budget, such as that submitted by the Superintending Engineer of the 4th Division, in which the demands on account of new works for three districts are in excess of the entire allotment for the whole Presidency under that head of service, can answer no useful purpose, but entails a vast amount of labor on the Government Office in the examination of a long catalogue of works, for most of which no provision can possibly be made.

4. The Circular of the Government of India, No. 83, dated 9th October 1866, fixes the allotment for this Presidency for the ensuing official year at 83 lacs irrespective of State outlay on Guaranteed Railways, which the Consulting Engineer estimates at Rupees 1,94,895-8-0, or, inclusive of that item, at Rupees 83,94,895-8-0. As in the past and current official years, the grant for Military Works, which has been fixed at 12 lacs, is not available for transfer to other objects. Similarly, the allotment for Irrigation New Works for 1867-68, which has been set down at Rupees 15 lacs, is not to be diverted from that purpose, but there is no objection to its being augmented by transfers from other appropriations.

5. The Right Honorable the Governor in Council, having given his careful consideration to the demands of the Superintending Engineers and other Officers, has resolved on the following distribution of the Public Works Imperial assignment for 1867-68, and the Budget has been prepared accordingly:—

Main Heads of Service.	Minor Heads.	Works not commenced.		Incomplete Works.		Total of two previous columns.		Reserve.	Grand Total.
		Number.	Amount allotted.	Number.	Amount allotted.	Number.	Amount allotted.		
			RS.		RS.		RS.	RS.	RS.
New Works	Military	23	3,28,229	33	5,41,403	56	8,69,632	1,75,000	10,44,632
	Civil Buildings	28	2,03,912	26	3,75,314	54	5,79,226	1,30,000	7,09,226
	Agricultural	53	7,61,635	21	4,38,365	74	12,00,000	3,00,000	15,00,000
	Communications ...	7	64,970	65	5,26,363	72	5,91,333	1,70,000	7,61,333
	Miscellaneous Public Improvement	1	5,000	2	19,650	3	24,650	40,000	64,650
		112	13,63,746	147	19,01,095	259	32,64,841	8,15,00 0	40,79,841
Repairs	Military	...	.....	...	.....	...	.....	.....	1,55,368
	Civil Buildings	...	.....	...	.....	...	.....	.....	1,02,010
	Agricultural	...	.....	...	.....	...	.....	.....	6,99,850
	Communications	...	.....	...	.....	...	.....	.....	11,28,130
	Miscellaneous Public Improvement	...	.....	...	.....	...	.....	.....	24,145
Establishments exclusive of Rupees 46,707 debited to Local Funds		...	.....	...	.....	...	.....	.....	21,09,503
Tools and Plant... ...		...	.....	...	.....	...	.....	.....	18,15,224
State outlay in connection with Madras Irrigation and Canal Company		...	.....	...	.....	...	.....	.....	1,50,000
Do. on Railways		...	.....	...	.....	...	.....	.....	45,432
									1,94,895½
									83,94,895½

6. The transfer* from the Public Works to the Revenue Department of the Conservancy of Salt works throughout the Presidency, and of the Irrigation works in the Vizagapatam, Nellore, Madras, North Arcot and Tanjore Districts, and the consequent exclusion from the Public Works Budget of the annual charges under those heads, have set free a sum of Rupees 2,90,497 for appropriation to original works, the total allotment for which in 1867-68 will, partly from this cause and partly from the more liberal grant which has been made by the Government of India, exceed the current year's assignment by Rupees 14,75,407.

* Sanctioned in G. Os., Nos. 3,408 and 3,409, dated 25th October 1866.

7. The appropriations to "New Works Military" includes provision to the extent of—

Rupees	5,36,474	For the accommodation of Troops.
,,	75,900	For Ordnance.
,,	78,158	For Commissariat.
,,	1,79,100	For Staff.
Total Rs.	8,69,632†	

† Against Rupees 7,17,000 in 1866-67.

8. The grant for "Civil Buildings" (New) has been distributed as follows:—

	Rs.
Jails	3,67,356
Collectors' and Táluq Cutcherries	99,000
Court Houses	41,848
Ecclesiastical Buildings	2,000
Police Buildings	31,900
Salt Buildings	222
General Buildings	36,900
Total	5,79,226‡

‡ Against Rs. 2,20,926 in 1866-67.

9. The allotments for "Agricultural" New Works and "Communications" under the several sub-heads are shown below:—

		Rs.
Agricultural	Irrigation Canals	10,38,396
	Tanks	90,048
	Dykes	13,297
	Drainage	58,259
Total ..		12,00,000§
Communications	Roads	4,32,083
	Bridges	99,250
	Navigable Canals	60,000
Total...		5,91,333‖

§ Against Rupees 4,12,922 in 1866-67.

‖ Against Rupees 5,54,636 in 1866-67.

10. Three works have been provided for under the head "Miscellaneous Public Improvement," with an allotment of Rupees 24,650.¶

¶ Against Rupees 14,950 in 1866-67.

11. The Reserve has, as usual, been fixed at one-tenth** of the entire Public Works grant less the State expenditure in connection with the works of the Madras Irrigation and Canal Company, and

** Rupees 8,15,000, being Rupees 1,31,000 in excess of 1866-67.

the Governor in Council now resolves to sanction the following appropriations from that source on account of Minor New Works under Rupees 500 each:—

Districts.	Military.	Civil Buildings	Agricultural.	Communications.	Miscellaneous Public Improvement.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	.....	.....	3,000	1,000	.....	4,000
Vizagapatam	.....	.....	2,000	1,000	.....	3,000
Godavery	.....	.....	6,000	.....	.....	6,000
Kistna	.....	.....	7,000	.....	.....	7,000
Nellore	.....	.....	5,000	1,500	.....	6,500
Cuddapah	.....	.....	3,000	.....	.....	3,000
Kurnool	.....	.....	3,000	.....	.....	3,000
Bellary	4,000	.....	2,000	.....	.....	6,000
Presidency	2,000	3,000	.....	.....	.....	5,000
Madras	700	200	6,600	.....	.....	7,500
North Arcot	200	300	6,500	.....	.....	7,000
South Arcot	.....	600	6,000	400	.....	7,000
Salem	150	400	3,200	250	.....	4,000
Bangalore	5,000	1,000	.....	.....	.....	6,000
Tanjore	.....	2,000	7,500	500	.....	10,000
Trichinopoly	1,500	500	5,500	500	.....	8,000
Coimbatore	500	500	1,000	1,500	.....	3,500
Malabar	1,500	2,000	500	1,000	.....	5,000
South Canara	.....	.....	.....	2,000	.....	2,000
Madura	.....	750	2,800	700	.....	4,250
Tinnevelly	.....	750	2,800	700	.....	4,250
Total	15,550	12,000	73,400	11,050	.....	1,12,000

* Rupees 1,12,000.

† Rupees 8,15,000.

12. Deducting the total* of these appropriations from the sum† marginally noted above, the balance which will remain to the credit of the Reserve on the 1st April next for distribution by Government is Rupees 7,03,000.

‡ Rupees 1,55,368.

§ Rupees 1,33,000.

13. The allotment‡ for Repairs under "Military" is Rupees 22,368 in excess of the current year's§ grant, owing chiefly to increased demands in the Bellary District, and to the transfer of the maintenance grants (Rupees 2,500 and 16,547) marginally noted from the head of "Communications" to that of "Military."

Roads within the Garrison of Fort Saint George, Presidency.
Esplanade roads and road along the East Face of the Fortress, Presidency.

‖ Rupees 1,02,010.

¶ Rupees 1,32,471.

14. The assignment‖ for Repairs to "Civil Buildings" falls short of the Budget Estimate¶ of 1866-67 by Rupees 30,461. This has arisen from the transfer to the Revenue Department of the Conservancy of the Salt works throughout the Presidency.

** Rupees 6,99,850.

15. Under "Agricultural Repairs" the provision** for 1867-68 is less than the current year's†† grant by Rs. 2,63,604, the reduction having been effected by the transfer to the Civil Department of the maintenance of the irrigation works in five districts. The saving here would have been greater but for the urgent necessity which exists for more liberal assignments to the remaining districts. The grants which have been made in the outgoing Budget, as compared with the current year's allotments, are shown below :—

†† Rupees 9,63,454.

Districts.	Current year's Grant.	Grant for 1867-68.	Increase.
	RS.	RS.	RS.
Ganjam	14,600	16,000	1,400
Godavery	1,30,000	1,40,000	10,000
Cuddapah	32,500	35,000	2,500
Kurnool	20,500	22,000	1,500
Bellary	64,700	69,000	4,300
Presidency	2,000	3,000	1,000
South Arcot	60,000	70,000	10,000
Salem	29,500	26,000	5,500
Trichinopoly	65,389	75,000	9,611
Coimbatore	36,000	45,000	9,000
Madura	34,294	40,000	5,706
Tinnevelly	58,445	60,000	1,555

* Rupees 11,28,130 and 24,145.

16. The appropriations* to the repair of "Communications" and of works classed under "Miscellaneous Public Improvement" fall short of the current year's† Budget Estimate by Rupees 16,200 and 2,600 respectively, and call for no remark.

† Rupees 11,44,330 and 26,745.

17. The Controller's Budget of Establishments amounts to Rupees 19,17,215. This has been reduced to Rupees 18,61,931, a provision which the Government are satisfied will be found in the aggregate to be amply sufficient to cover all demands that may arise.

18. The estimate for the salaries of Táluq Overseers has been increased from Rupees 1,34,640 to Rupees 1,74,180, with reference to a scheme which has been submitted to the Government of India for the division of that class into three grades, as follows, with progressive rates of pay :—

	Salary per mensem if Military.	Salary per mensem if Civil.
	RS.	RS.
First Grade	85	100
Second do.	70	80
Third do.	60	60

19. Provision has been made for the appointment of a "Consulting Architect to Government" on a salary of Rupees 900 per mensem, and the Government of India have been separately addressed upon the subject.

20. Rupees 11,400 is the Controller's estimate of the salaries of the three supernumerary Covenanted Officers in this Presidency. This has been reduced by Rupees 2,500 with reference to the Orders of Government noted in the margin.

No. 3,545, 7th November 1866.

21. The Government think that an allotment of Rupees 50,000 for Temporary Establishments, including those proposed to be employed on the investigation of large irrigation projects, will be sufficient for the ensuing year.

22. The salary of the Mathematical Instrument-maker attached to the Presidency Public Works Workshop has been entered in the Government Office at Rupees 4,200 per annum. His allowances should be met from the provision for "Travelling Allowances," as laid down in the Order of the 22nd May 1865, No. 1,389.

23. The Controller provides Rupees 2,84,204 on account of Travelling Allowances for the entire department, and Rupees 1,02,000 for Military Pay and Allowances under "Construction." These charges have been reduced to Rupees 2,00,000 and 95,000 respectively, which the Government believe will be sufficient. Under any circumstances, His Lordship in Council cannot consent to any augmentation of these grants, as fixed for the coming official year, until he has had placed before him reliable information in support of an application for a larger assignment. From the Controller's own showing, in paragraph 7 of his letter dated 23rd November 1866 above read, it appears that the outlay on Travelling Allowances during the current official year is likely to fall short of 2,00,000 Rupees.

24. The provision of Rupees 1,920 for Travelling Allowances under "Accounts" seems scarcely necessary, as it is believed that not more than five per cent. of the current year's grant has been appropriated. To meet unforeseen contingencies, the Government have resolved to allot Rupees 600 for the year 1867-68, and, should an augmentation of that assignment be necessary, it can be made hereafter from savings under other heads.

25. With these alterations the Budget of Establishments amounts to Rupees 18,61,931 or Rupees 33,881 in excess of the current* year's estimate. This excess arises chiefly from the increased provision which has been made for temporary establishments to admit of the employment of survey parties for the investigation of large irrigation projects in some of the districts of this Presidency.

* Rupees 18,28,050.

26. The amount which is chargeable to Imperial and Local Funds on account of Establishments is Rupees 18,15,224 and 46,707, respectively.

27. The provision under the head "Tools and Plant" amounts to Rupees 1,50,000, a sum equal to the Budget Estimate of the current year. For the reasons explained in the letter from the General Superintendent of Public Works Stores

and Workshops above read, the Governor in Council resolves to adopt the Statement which that Officer has submitted, and to sanction the following distribution :—

Districts or Departments.	New Supplies.								Repairs and carriage from place to place.	Grand Total.
	Surveying and Mathematical Instruments.	Machinery	Tools.	Plant.	Office furniture.	Camp Equipage.	Live Stock.	Total.		
Ganjam ...	...	...	200	...	...	...	...	200	800	1,000
Vizagapatam...	...	...	200	...	...	...	...	200	800	1,000
Godavery ...	...	...	500	...	...	...	...	500	5,000	5,500
Kistna ...	...	...	500	4,500	...	...	...	5,000	1,850	6,850
Nellore ...	...	...	350	...	...	...	...	500	500	1,000
Bellary ...	...	...	500	...	...	...	...	350	325	675
Cuddapah ...	...	...	300	...	...	...	...	500	225	725
Kurnool ...	...	...	300	150	150	...	...	300	200	500
Presidency ...	...	...	500	...	300	...	...	600	800	1,400
Madras ...	...	...	200	...	150	...	...	800	600	1,100
North Arcot ...	...	...	400	150	200	...	...	350	500	850
South Arcot ...	...	...	500	...	130	150	...	900	200	1,100
Salem ...	...	...	...	...	...	...	...	630	450	1,080
Bangalore ...	...	...	200	...	50	250	...	...	....	...
Tanjore ...	...	...	1,700	...	200	200	...	300	1,800	2,100
Trichinopoly ...	...	...	1,050	500	...	...	...	600	300	900
Coimbatore ...	...	...	400	...	...	...	1,500	1,700	1,600	3,300
Malabar ...	...	...	300	...	...	...	...	3,950	1,800	4,850
Madura ...	...	...	500	300	250	300	...	490	1,100	1,500
Tinnevelly ...	...	...			100	300	...	850	1,800	2,650
Total ...	...	...	9,100	5,600	1,530	1,200	1,500	1,200	420	1,620
General Superintendent Public Works Store Department. Supplies from England ...	...	...	4,000	6,000	...	...	...	18,930	21,070	40,000
Grand Total ...	...	...	...	...	...	...	...	10,000	20,000	30,000
	...	...	...	...	...	...	...	...	...	80,000
	...	...	...	...	...	...	...	...	...	1,50,000

28. The Budget of State Expenditure on account of Guaranteed Companies amounts in the aggregate to Rupees 2,40,327-8-0, as follows :—

Guaranteed Companies.	For Establishments.	For Land.	Total.
	Rs.	Rs.	Rs.
Railway Companies.	57,523½	1,37,372	1,94,895½
Madras Irrigation and Canal Company	33,432	12,000	45,432
Total ...	90,955½	1,49,372	2,40,327½

29. The estimate of the Consulting Engineer for Railways is Rupees 600 less han that which was passed in G. O., No. 3,574, dated 8th November 1866. This

reduction has been carried out with reference to the Orders of the Government of India in the Financial Department under date the 28th September last disallowing the increase of Rupees 50 per mensem, which was recommended to be made to the personal allowance of the Consulting Engineer's Uncovenanted Assistant.

30. From the Budgets submitted by the Board of Revenue and the Director of Public Instruction, the Government note that the estimated expenditure from Local Funds through the agency of Public Works Officers is Rupees 5,13,799, which is thus distributed :—

Funds.	New Works.	Repairs.	Establishments.	Total.
	Rs.	Rs.	Rs.	Rs.
District Road, &c.	2,38,167	1,67,821	40,598	4,46,586
Educational Building	57,679	3,425	6,109	67,213
Total ...	2,95,846	1,71,246	46,707	5,13,799

31. The following Statement exhibits in one view the apportionment of the Imperial and Local Fund allotments to the several parts of the Budget.

Items.	Military.		Civil Buildings.		Agricultural.		Communications.		Miscellaneous Public Improvement.		Total Imperial.	Total Local.	Grand Total.
	Imperial.	Local Funds.	Imperial.	Local Funds.	Imperial.	Local Funds.	Imperial.	Local Funds.	Imperial.	Local Funds.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Part II.—New Works ...	8,69,632	...	5,79,226	57,679	12,00,000	...	5,91,333	2,26,980	24,650	...	32,64,841	2,84,059	35,48,900
Grant for Minor Works ...	1,25,000	...	1,30,000	.....	3,00,000	...	1,70,000	11,787	40,000	...	8,15,000	11,787	8,26,787
Part III.—Repairs... ...	1,55,368	...	1,02,010	3,425	6,99,853	...	11,23,130	1,67,821	21,115	...	21,09,503	1,71,216	22,80,719
Total for New Works and Repairs	12,00,000	...	8,11,236	61,104	21,99,850	...	18,89,463	1,05,988	88,795	...	61,89,344	4,67,092	66,56,436
Part IV.—Establishment.	.....	...	.....	.....	.....	...	.....	.....	.....	...	18,15,224	46,707	18,61,931
Part V.—Tools and Plant.	.....	...	.....	.....	.....	...	.....	.....	.....	...	1,50,000	.....	1,50,000
Part VI.—State expenditure on works of the Madras Irrigation and Canal Company	.....	...	.....	.....	.....	...	.....	.....	.....	...	45,432	.....	45,432
Do. on Railways	.....	...	.....	.....	.....	...	.....	.....	.....	...	1,91,895	.....	1,91,895
Grand Total ...	12,00,000	...	8,11,236	61,104	21,99,850	...	18,89,463	1,05,988	88,795	...	89,91,895	5,13,799	89,08,694

32. The special attention of the Superintending Engineers is drawn to the following remarks:—

NEW WORKS.

33. Rupees 88,500 have been allotted for the construction of new Táluq Cutcherries in the districts noted in the margin. The Superintending Engineers concerned will prohibit any expenditure being incurred upon these buildings until revised plans and estimates have been sanctioned by Government with reference to their Orders of the 11th September, 8th November, and 3rd December 1866, Nos. 2,907, 3,561, and 3,842 respectively, and to the necessity which is therein shown of providing sufficient and suitable Subsidiary Jail accommodation. The Superintending Engineers will submit *at once* their views as to the alterations required in each case to meet all the requirements of a Táluq Cutcherry with a Subsidiary Jail attached, and they will, at the same time, furnish a sketch of the arrangements they would propose.

Kistna, Nellore, Cuddapah, Bellary, Madras, Salem, Tanjore, Trichinopoly, Coimbatore.

34. Godavery.—The submission of the revised estimate for the Central Jail at Rajahmundry should be expedited.

35. Provision to the extent of Rupees 6,342 has been made for irrigation works in connection with the Ellore High Level Canal, but these should not be put in hand until the information called for in G. O. No. 2,529,* dated 30th August 1865, has been supplied.

* Paragraph 5.

36. Kistna.—Looking to the great importance of the works entered in the margin, and to the advisability of completing them as speedily as possible in order to secure better supplies of water to rapidly extending cultivation, the Government have provided a sum of Rupees 40,000 for expenditure in 1867-68. Colonel Winscom will submit, as early as practicable, a detailed estimate of the land for which Rupees 5,000 were included in the sanctioned estimate of Rupees 1,72,830.

Improvements to the channels in the Masulipatam section of the Kistna Delta. Estimate Rupees 1,72,830.

See G. O. 747, dated 17th March 1865.

37. Cuddapah.—The estimate for excavating a new head and building a new head sluice and dyke to the Venkien Calwah channel having been sanctioned since the receipt of the Superintending Engineer's Budget, the entry has been made in the Government Office.

G. O. 3,282, dated 15th October 1866.

38. Kurnool.—Rupees 7,700, or the full amount of the estimate for the Táluq Cutcherry at Koilgoontla, is proposed for expenditure in 1867-68. Rupees 3,500 having been allotted for the work in G. O. No. 1,721, dated 31st May 1866, the balance has been entered in the Budget. The Government request that, if the erection of this building have not already progressed too far, the Superintending Engineer will submit a revised plan and estimate in accordance with paragraph 33 of these Proceedings, suspending operations on the building for the present.

39. Bellary.—The Superintending Engineer enters in his Budget Estimate several works for which no funds are required in 1867-68. These should clearly

have been omitted, and Major Moberly will be careful to see that the entries in future Budget Statements are restricted to works upon which expenditure is proposed to be incurred.

40. As the Establishment of Non-Commissioned Staff attached to Native Troops is proposed to be discontinued, the estimate for compound walls and wash-houses, &c., to the quarters of the Staff Serjeants of the Native Corps in Bellary has been struck out.

41. The construction of the proposed Garrison Prison at Bellary will be deferred till works of more pressing importance have been provided for.

42. The estimate for the Táluq Cutcherry at Adoni is entered in the Superintending Engineer's Lists at Rupees 12,000. Rupees 12,100 having been sanctioned in the Order of the 24th November 1864, No. 3,370, that amount has been inserted in the Government Office.

43. The amount of the sanctioned estimate for the Táluq Cutcherry at Harpanhully is Rupees 9,850, and not Rupees 13,200, as shown in the Superintending Engineer's Budget. See G. O. No. 375, dated 9th February 1865.

44. PRESIDENCY.—The alterations in the Commissariat Arrack and Porter Depôts, sanctioned in G. O. No. 1,218, dated 19th April 1866, are in progress under the authority conveyed in the Proceedings of Government No. 1,919, dated 20th June 1866, but the Superintending Engineer should lose no time in laying before Government the revised estimate which was called for in the former of those orders.

* Rupees 20,000.

45. The charge* for wood-work for the Pier is debitable to *Port* Funds.

46. MADRAS.—The works noted in the margin, have been omitted in consequence of the anticipated early establishment of a transport service between Bombay and Suez, by which route invalids and time-expired men will be sent to England and recruits received.

	Rs.
Semi-permanent Barracks at Poonamallee. Estimate	40,000
Semi-permanent Lavatories and Bath-rooms at do. Estimate ...	6,750
Semi-permanent Guard and Association Rooms and Guard Room Cells at do. Estimate	10,200

47. The undermentioned roads appear to have been in progress from Income Tax Funds :—

	Rs.
(1.) District Road from Trivellore to Nagalapooram. Estimate...	21,400*
(2.) District Road from Ootoocottah to Suttivade. Estimate	13,300*
(3.) Road from Suttivade to Cowrapett. Estimate.	19,000*
(4.) Road from the 5th mile stone on Trunk Road No. 6 to Chinnamootten Chavady, via Sheally Moodelly's Choultry. Estimate	13,300†

* Sanctioned in G. O. No. 2,013 of 1864.

† Sanctioned in G. O. No. 469 of 1864.

These lines being essentially *local*, the cost of their completion would seem

to be a legitimate charge upon the *Local* Funds of the District, and the question of providing the unallotted balances from that source will accordingly be considered in the Revenue Department.

48. The Order which should have been quoted in support of the estimate for the completion of the road from Teroocalicoondram to Sadras is No. 376, dated 5th February 1864.

49. The road from Chotapaukam to Cheyoor and several other works are entered in the Superintending Engineer's Statements with the remark that they were included in last Budget but that no funds were provided for them. The Order sanctioning the estimate in each case should have been quoted.

50. NORTH ARCOT.—The Superintending Engineer states that the estimates for the following projects are under preparation :—

1. Constructing road, and improving road, from Nelvay to Pullicondah.
2. Do. road from Arconam to Nagavedu.
3. Do. from Vencatagherry to join Calastry road at Yarepett.
4. Do. from Naidoopett Village to join Trunk Road No. 6.
5. Completing the channel from the Peroomalacoopam to the Vellymally Tank.

Colonel Boileau's attention is called to the Orders noted in the margin, which, it is believed, convey the sanction of Government to the estimates for these very works.

No. 744, 6th March 1866.
" 2,951, 13th October 1864.
" 518, 12th February 1866.
" 145, 12th January "
" 1,815, 9th June "

51. The improvement of the bund and the construction of a calingulah and sluices to the Mamandoor tank (upon the estimate of Rupees 4,330 which accompanied the Superintending Engineer's letter No. 4,202, dated 17th February 1866) should not be put in hand till orders have been passed upon the further report which has been called for in the Proceedings of Government No. 3,122, dated 2nd October 1866.

52. SALEM.—The supplemental estimate for the construction of two new tanks at Valayapatty is given in the Superintending Engineer's Budget at Rupees 2,813. Colonel Foord will observe from the Order of the 3rd December 1862, No. 2,891, that the amount sanctioned by Government was Rupees 2,840.

53. The completion of the "Extension of the Southern Range of Stables at the Remount Depôt at Ussoor," which was sanctioned in G. O. No. 1,021, dated 28th March 1866, will be deferred pending the receipt of the report of the special Commission appointed to inquire into the present system of Remount in the Madras Army.

54. BANGALORE.—Items 12 to 34 of Part II. of the Budget are works connected with the Barracks which have been in course of erection for some years on the old Race Course at Bangalore. These buildings were originally intended to provide accommodation for a Regiment of Cavalry, but it has since been determined to add buildings for the accommodation of two Batteries of Artillery. This increase and the much greater extent of accommodation which it is now considered necessary to provide for all Arms of the service have tended to raise the total cost of the Barracks and subsidiary buildings to a sum considerably in excess of that originally sanctioned. Looking to these circumstances, and to the fact that standard

plans have yet to be issued for many of the subsidiary buildings, the Governor in Council has resolved to treat each work connected with these Barracks *separately*, and to provide funds for its construction as the plan and estimate receive the sanction of Government.

55. COIMBATORE.—The sanctioned estimate for "alterations to the Wellington Privies" being Rupees 28,122, that amount has been entered in the outgoi Budget. The Superintending Engineer applies in his Budget Statement for a further sum of Rupees 2,654, but the Government are unable to comply with this application in the absence of full and satisfactory explanation of the necessity for a supplemental grant.

56. The Military Prison at Wellington, for which Rupees 11,520 and 20,616 respectively, are provided in the current and outgoing Budgets, should not be proceeded with till the receipt of the orders of the Government of India upon the plan which was submitted for their approval in letter No. 1,615 of 1866.

57. The revised estimate for the Central Jail at Coimbatore should be laid before Government without further delay, for transmission to the Government of India.

58. The estimated cost of the "Aqueduct over the Mungamary stream" has been altered from Rupees 14,913 to Rupees 14,930, which is the amount sanctioned in the order quoted by the Superintending Engineer.

See Public Works Proceedings, No. 3,176, 5th October 1866.
Revenue do. " 2,923, 29th October 1866.
Public Works do. " 3,519, 5th November 1866.

59. MALABAR.—On re-consideration, the Governor in Council has resolved to treat the road from Manantoddy to the Coorg frontier as an *Imperial* Line, and to provide a sum of Rupees 17,500 for its construction in the outgoing Budget

60. SOUTH CANARA.—No allotment has been made for the "Quay at Mangalore," as the cost of that work is chargeable to Port Funds.

REPAIRS.

61. Demands on account of *Local* Fund projects should not have been included in the Superintending Engineer's Budget estimates which should be restricted to *Imperial* works.

62. To avoid disappointment and confusion, the Governor in Council directs that no maintenance grants shall be entered in Part III. of the Budgets of Superintending Engineers for future years, *unless the estimates have received the previous sanction of Government.*

63. Some of the Superintending Engineers have applied for grants considerably in excess of those assigned in the current year for the repair of Travellers Bungalows. The attention of those Officers will be drawn to the orders* of Government in the Revenue Department, communicated with Public Works Proceedings No. 3,417, dated 26th October 1866, and they will be informed that any allotments which may be required in excess of those entered in the outgoing Budget must be provided from Local Funds.

* No. 2,826, 18th October 1866.

64. GANJAM.—Road from Ballepudra to Karcholay, 6 miles... ... RS. 640
Road from Aska, viâ Ballepudra, &c., on the north bank of the Mahanaddy river, 8 miles 250
Estimates for these maintenance grants should be submitted in due course.

65. VIZAGAPATAM.—No estimate has yet been furnished for the increased maintenance grant which is entered in the current and outgoing Budgets for a portion of the Jeyapur road. The Superintending Engineer's attention is called to the Orders noted in the margin.

No. 405, 1st February 1866, paragraph 42.
" 1,532, 12th May "

66. KISTNA.— Estimates should be submitted in due course for the maintenance of the towing paths along the Masulipatam, Ellore, and Nizampatam canals, for which Rupees 1,440, 810 and 1,230 respectively are allotted in the outgoing Budget.

67. KURNOOL AND BELLARY.—The current year's maintenance allowances for the undermentioned roads are noted opposite to each:—

Road from Kurnool to Gooty ... ... Rupees 8,070
Do. from Koodatany to Kumpli .. .. " 1,900

The Government observe that the Superintending Engineer of the 3rd Division has entered Rupees 7,650 and 1,856, respectively, for these lines in his estimate for 1867-68. It is presumed that the difference in each case represents the cost of the Petty Establishments which are proposed to be employed upon the works, but this should have been explained.

68. KURNOOL AND BELLARY.—The maintenance grants for the roads noted in the margin are entered by Major Moberly at Rupees 6,240, 2,978, 640, 1,400 and 11,652, respectively, against Rupees 6,180, 2,876, 460, 1,260 and 10,632 in the current Budget. In the absence of any explanation of the cause of these excesses, the latter sums have been entered in the outgoing Budget.

Kurnool, road from Gogulapally to Kristnamsettypally, &c.
Do. road from Kristnamsettypally to Nellore frontier.
Do. Annual repairs to Gadidamadgu.
Do. do. to Mantralama Ghaut.
Bellary, road from Tornagal to Ballahoosey.

69. PRESIDENCY.—The Superintending Engineer of the 4th Division applies for largely increased grants on account of Repairs, but furnishes no explanation of the insufficiency of the present allotments. The Government regret that, with due regard to the requirements of other districts, they have been unable to increase to any great extent the current year's assignments.

70. The maintenance allowances for the undermentioned roads have been entered against the *Presidency* in the outgoing Budget, and the Superintending Engineer is authorized to make arrangements for handing over the full amount* to the Municipal Commissioners after the 1st April next:—

* Rupees 25,942.

	RS.
Esplanade roads	14,047
Road along the east face of the fortress	2,500
Roads over Government bridges and within the limits of Government compounds	9,395

71. The actual outlay in 1864-65 and 1865-66 on repairs to works of "Miscellaneous Public Improvement" at the Presidency having been very trifling, the Government have resolved to reduce the allotment under that head for 1867-68 from Rupees 4,000 to Rupees 500.

72. SOUTH ARCOT.—The sanction of Government should be obtained in due course to the sum of Rupees 1,400, which has been provided for the road from Cuddalore to the Coleroon in excess of the current year's grant.

73. SALEM.—Estimates should be submitted at an early date for the new and-increased grants which have been provided in the outgoing Budget for the under mentioned roads:—

From Harrur to Morapur ... ... Rupees 800—New grant.
From Otangiri to Shamalpatti ... ... ,, 500 do.
Yerkad and Salem Cattle Ghaut ... ,, 570—Increased do.

	Rs.
Road from Moganur to Namakkal... ...	1,100
Do. from Moganur to Veylore	1,000
Do. from Veylore to Jadarpolliem ...	1,200
Do. from Namakkal to Veylore	1,100
Do. from Jadarpolliem to Chittandabandoor...	1,110
Do. from Poothoor to Maniampally ...	800
Do. from Komaramangalam to Andaloor	1,540

74. The maintenance allowances noted in the margin, being chargeable to Local Funds, should not have been entered in the Imperial Budget. See G. O., No. 2,178, dated 11th July 1866.

75. TANJORE AND TRICHINOPOLY.—The Superintending Engineer of the 6th Division having made no provision for the repair of Travellers' Bungalows, it is presumed that funds are not likely to be required for that purpose in 1867-68.

76. COIMBATORE.—The maintenance grant of Rupees 3,520 which is applied for on account of the new Coonoor Ghaut has been disallowed, in the Imperial Budget with reference to the Order of Government No. 3,300, under date the 16th October 1866, but a corresponding sum has been provided in the Budget of Local Funds.

77. MADURA AND TINNEVELLY.—The Superintending Engineer of the 8th Division is requested to expedite the submission of estimates for the increased maintenance allowances which have been provided for the road from * Tirumungalum to Pulney, and from † Palamcottah to Tuticorin.

* Rupees 1,900
† Rupees 600

78. The following Statement exhibits the amount which will be available in each district from Imperial and Local Funds on the 1st April 1867:—

Districts.	Original works.	Minor works estimated to cost less than 500 Rupees.	Repairs.	Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs	Rs.
Ganjam	82,483	4,000	65,537	1,000	1,53,020
Vizagapatam	62,127	3,000	48,004	1,000	1,14,131
Godavery	2,62,310	6,000	2,07,918	5,500	4,81,758
Kistna	3,22,544	7,000	1,45,251	6,850	4,81,645
Nellore	1,07,783	6,500	48,952	1,000	1,64,235
Cuddapah	35,910	3,000	1,18,546	725	1,53,181
Kurnool	24,200	3,000	64,260	500	91,960
Bellary	1,10,098	6,000	1,79,913	675	2,96,686
Presidency	1,98,940	5,000	89,602	1,400	2,94,942
Madras	3,23,412	7,500	1,23,138	1,400	4,55,450
North Arcot	2,18,380	7,000	76,481	850	2,97,711
South Arcot	1,26,271	7,000	1,84,259	1,100	3,18,630
Salem	63,082	4,000	87,833	1,080	1,55,995
Bangalore...	3,65,779	6,000	26,500	... ...	3,98,279
Tanjore	1,55,219	10,000	91,630	2,100	2,58,949
Trichinopoly	1,23,413	8,000	1,41,547	960	2,73,890
Coimbatore	3,64,073	3,500	1,55,615	3,300	5,26,488
Malabar	4,67,128	5,000	1,28,297	4,850	6,05,275
South Canara	41,955	2,000	48,343	1,500	93,798
Madura	74,500	4,250	1,10,240	2,650	1,91,640
Tinnevelly	36,050	4,250	1,43,853	1,620	1,85,773
General Superintendent, Public Works Stores and Workshops...	.....	.....	.....	30,000	30,000
	35,60,687	1,12,000	22,80,749	70,000	60,23,436

79. The Superintending Engineers will expedite the submission of estimates for the works noted in the accompanying Statement, and they will inform their Executive Officers that no outlay should be incurred on the items entered in the margin, until the estimates have received the sanction of Government.

Nos. 3 to 6 8 to 10 29, 33, 34, 35, 40, 42, 43, 46, 58 to 62, 64 to 67, 69 to 74, 76, 105, 131, 148, 157, 161, 173, 187, 191 of Part II, and all maintenance grants for which estimates have not yet been approved of by Government.

80. The estimated outlay from guaranteed capital is shown below:—

	Rs.	Rs.
Madras Railway		53,60,000
Great Southern of India Railway and Errode Extension...		6,90,000
Madras Irrigation and Canal Company		15,50,000
		76,00,000
Deduct receipts, as estimated by the Railway authorities, from sale of stores, &c., to be credited to Capital	14,91,334	
Do. by Irrigation and Canal Companies' authorities from do. do. ... do.	10,000	15,01,334
		60,98,666

81. The Government note that Captain Mullins' Budget of Expenditure from Guaranteed Capital has been prepared with reference to the Order No. 3,168, dated 5th October 1866, a copy of which will now be furnished to the Government of India.

82. Orders on the Budgets of Local Funds which have been submitted by the Board of Revenue and the Director of Public Instruction will be separately issued, and a list will then be furnished to the Superintending Engineers of the works which are proposed to be executed by Public Works Officers from the Local Fund grant for Minor Works under "Communications."

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineers, Controller of Public Works Accounts, } with Budget, copy of letter to Government of India, Revenue Proceedings No. 3,213 of 1866, and two Statements.
" Accountant General.
" Public, &c., Departments.
" Revenue Department.
" Military Department.
" Officer in charge of the Store Department.
" General Superintendent of Public Works Stores and Workshops.
" W. Fraser, Esq., C. E., Special Executive Engineer.
To the Consulting Engineer for Railways.
To the Consulting Engineer for the Madras Irrigation and Canal Company.
" Do. do. do.
" Manager for
" Inspector General of Police.
" Board of Revenue.
" Director of Public Instruction.
" Municipal Commissioners.
" } With Budget.

Exd. S. T. Augustin.

MEMORANDUM of Works for which Estimates should be submitted without delay.

Works.	Amount allotted.
NEW WORKS.	Rs.
Ganjam.	
Zillah School at Berhampore	2,000
Vizagapatam.	
Pettah Ghaut road	7,000
Godavery.	
New Central Jail at Rajahmundry (Revised Estimate)	40,000
Irrigation works of the Ellore High Level Canal	6,342
Road across Central Delta from Rajole to Makteswaram to join Kotipally Ferry ...	8,000
Do. Tanookoo via Dharwa to Prattipaud on the Ellore Canal	1,887
Do. Palkole to Doddipatla ; but hitherto entered as road from Palkole to the river bank of Peddamallam via Astenta, (Revised Estimate)	10,943
Kistna.	
Road from Guntoor to Sattinapally	6,000
Do. from Chinnapalakaloor to Narsrowpet	4,000
Do. from Masulipatam to Kowtaram	5,000
Do. from Vinnakondak to Kamapudi..	3,000
Do. from Ponnoor to Bapetla	8,000
Do. from Vellatoor to Sandole	2,000
Do. from Amaravatty to Guntoor	4,000
Do. from Guntoor to Alloor	4,000
Nellore.	
Improvements to Sarvapally channel, in connection with Nellore Anicut ...	25,000
Aloor and Iskapally road to the beach	5,000
Cuddapah.	
Talook Cutcherry at Pulivendla	6,000
Kurnool.	
One Regimental and Reserve Magazine	2,500
Road from Nandicootcoor to Bairlooty	12,000
Do. from Cumbam to Merkapoor	5,500
Bellary.	
European Artificers' Workshop for Artillery	3,700
Canteen with Cellar for Artillery	6,000
Three Apothecaries' quarters for Cavalry and two Native Infantry Regiments ...	10,338
Constructing an archway in the walls between each two rooms at the ends of the ranges of European Infantry Barracks	3,600
Talook Cutcherry at Gooty	6,000
Presidency.	
Erecting a Lunatic Asylum at Kilpauk	30,000
Madras.	
Improvements to Garrison Hospital at Saint Thomas' Mount	10,000
Enlarging Guard-room in Horse Artillery Lines at do.	3,450
Completing Barrack accommodation for two Troops of Horse Artillery at do. ...	40,000
Anglo-Vernacular School at Mylapoor	500
Road from Kodambakam to Sydapett	1,000
Do. from Uttramalloor to Trunk Road No. VIII	800
North Arcot.	
Zillah School at Chittoor	5,000
New Central Jail at Vellore	50,000
Cutting channel from Mahindravady channel to Cauveripauk tank in continuation of Palar Anicut Project	8,300

Memorandum of Works for which Estimates should be submitted without delay.

Works.	Amount allotted.
NEW WORKS.—(Continued.)	Rs.
North Arcot—(Concluded.)	
Improving the Mahindravady channel, and constructing Flood Calingulah in continuation of Palar Anicut Project...	*7,500
Widening and deepening the branch channel from the main channel of Cheyoor at Nallalem and Tatrey tank	20,000
Road from Cunnamangalam to Poloor	10,000
Do. from Trivettoore to Old Arcot	2,453
Do. from Chendragherry to Rajampett	300
Do. from Poloor to Wandiwash, via Chetpatt	1,000
Do. from Arnee to Chetpatt	1,400
Do. from Palmanair to Punganoor	1,200
Do. from Pernampett to Amboor Railway Station via Baloor and Godamoor ...	2,000
Constructing tunnels and bridges on several roads	4,000
South Arcot.	
Zillah School at Cuddalore...	5,000
Altering and improving the Jail at Cuddalore	6,562
Road from the 5th mile of Manargoody to Shennoor	2,500
Do. from Chellambram and Manargoody road, 4th mile to Shevaratampet ...	4,400
Do. from Tittogudy to Trunk Road No. VIII	4,000
Salem.	
Anglo-Vernacular School at Tripatore	1,000
Constructing a European Jailer's quarters, Hospital, Female Wards, &c., at the Salem Jail	10,000
Restoring the Seereekalay tank	5,000
Constructing a road between Taramangalam and Sooramangalam Railway Station (Supplemental Estimate)	3,058
Road from Rasipoor to Sandamangalam	1,000
Bangalore.	
Race Course Barracks. Sick Stables for Cavalry	11,460
Do. Seven saddle rooms for do.	21,260
Drainage of Race Course Barracks	20,000
Additions to Old Dragoon Barracks...	20,900
Ulsoor water supply project (Revised Estimate.)	20,000
Tanjore.	
Regulating works for the improvement of the river Cauvery	50,000
Trichinopoly.	
Constructing new Recreation room, including Coffee room for the Detachment of the 102nd Regiment European Infantry	2,780
Normal School at Trichinopoly	5,000
New Central Jail at Trichinopoly	50,000
Bandy road from Coolitally to Manapara	7,000
Do. from Perambalore to Kalapaloor	6,110
Coimbatore.	
A new Rest-house at Errode, including the purchase and clearing of land	4,300
Lawrence Asylum at Ootacamund	1,40,000
New Central Jail at Coimbatore (Revised Estimate)	50,000
Alterations and additions to the Zillah Jail at Ootacamund	10,000
Malabar.	
Anglo-Vernacular School at Chowghat	2,795
New Central Jail at Cannanore	60,000
Sub-Magistrate's Cutcherry with Treasury, Subsidiary Jail, and Post Office ...	*7,000
Improvements to the Bawally road towards the Mysore frontier	5,500

* The estimates for these works have been received, and are under consideration.

Memorandum of Works for which Estimates should be submitted without delay.

Works.	Amount allotted.
NEW WORKS.—(Concluded.)	Rs.
Malabar.—(Concluded.)	
Road from Manantoddy to Coorg frontier	17,500
Do. from Kalpatty to Sultan's Battery	12,194
Do. from Cherikal, via Velooth, Irkoor, Perumparamba, and Keeparamba to the Coorg boundary	5,000
Do. from Quilandi via Ulliri to Tambracherry	7,750
Do. from Tambracherry to Areacode	5,000
Do. from Manjiri via Pandicad and Malatoor to 2 miles west of Manar on the Mundoor road	5,000
South Canara.	
Provincial School at Mangalore	9,000
Widening to 12 feet the road from Vittal to Mangeshwar	1,425
Completion of the road from Mudbidri to Beltangadi	803
Construction of bridges on the road from Mudbidri to Beltangadi	1,612
Madura.	
New Jail at Madura (Revised Estimate)	30,000
Tinnevelly.	
Additions and improvements to Public Offices at Tuticorin...	6,900
REPAIRS.	
Ganjam.	
Road from Ballepadra to Karcholy	640
Do. from Aska, via Ballepadra, &c., on the north bank of the Mahanaddy river, 8 miles	250
Vizagapatam.	
Maintaining a portion of the Jeypore road via Sroongavarapoocottah and Casseepoor from Vizagapatam (Extra provision)	*1,000
Kistna.	
Maintenance of Towing paths for 48 miles, at 30 Rupees per mile	1,440
Do. 27 ,, at do. do.	810
Do. 41 ,, at do. do.	1,230
South Arcot.	
Road from Cuddalore to Coleroon, 28 miles (Extra provision)	1,400
Salem.	
Road from Harroor to Morapoor	800
Do. from Ootangiri to Shamalapatti	500
Yerkad and Salem Cattle Ghaut (Extra provision)	570
Madura.	
Road from Tirumangalam to Pulney (Extra provision)	1,900
Tinnevelly.	
Road from Palamcottah to Tuticorin (Extra provision)	600

* The estimate for this work has been received, and is under consideration.

From the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 9th October 1866, No. 76 :—

Part VI. and Appendix C.

1. I have the honor to submit my Budget Statements for the year 1867-68.

2. The differences between these Statements and those of the present year are :—

IN PART I.

1st.—An addition of Rupees 720 to the charge for Controlling Establishment caused by the sanction of Presidency house rent.

2nd.—In the Establishment engaged in making over land to the Company, the Deputy Collector's salary, Kurnool, has been omitted, as directed in Proceedings Madras Government, No. 2,268, dated 18th July last, but the entries for allowance and establishment, which are not referred to in that Order, have been left untouched, as such charges, if incurred by a Deputy Collector, whose salary is drawn in the Revenue Department, when engaged in making over land, would probably be considered debitable to the Public Works Department. The Surveyor and Lascars also appear to be necessary, and it might prove inconvenient were the alternative arrangement, the verification of the land plans on behalf of Government by the regular Public Works Establishment of the district, substituted.

No Establishments of any kind are entered for the Cuddapah and Nellore Districts. What work may have to be done in connection with the transfer of land in these districts will probably be trifling, and can be performed by the Revenue Establishments.

The changes above noticed reduce the charges for Controlling Establishments from Rupees 38,072 in 1866-67 to Rupees 33,432 in 1867-68.

Part II.

3. It has been somewhat difficult to estimate the probable charges for the purchase of land, as the amount which will have to be expended will depend upon the degree of rapidity with which the construction of canal works is resumed, and to some extent also upon the further expenditure under this head in this year. The Chief Engineer being without instructions regarding future operations, and also almost without establishment, does not know what works will be taken up, and may find it difficult to complete the land plans for the land which ought before this to have been finally made over and paid for.

Appendix C.

4. This has been prepared in accordance with the instructions contained in Proceedings Madras Government, No. 3,168, dated 5th October 1866.

The entries under Revenue account are the best approximations which can be made in anticipation of the regular preparation of the Revenue accounts, the rules regarding which are under the consideration of Government. The gross earnings for 1866-67 are founded upon the area for the irrigation of which water has been applied for, and this area is not likely to be extended this year.

Letter No. 40, dated 31st July last.

(True Copy.)

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

7

G° C° N° 3938 29/
14th Dec. / 66.

13

PUBLIC WORKS DEPARTMENT.
FORT SAINT GEORGE,
14th December 1866.

No. 3,939.

No. 255.

FROM

COLONEL CHARLES A. ORR, R. E.,
Secretary to Government, Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

ACCOUNT, No. 25.

1. I am directed by the Right Honorable the Governor in Council to transmit the Budget of Public Works proposed to be undertaken in this Presidency during the ensuing official year.

2. The Circular of the Government of India, No. 83, dated 9th October last, fixes the Imperial grant for Madras for 1867-68 at eighty-two lacs irrespective of State outlay on Railways, which the Consulting Engineer estimates at Rupees 1,94,895-8-0, or inclusive of that item at Rupees 83,94,895-8-0.

3. The expenditure from Local* Funds by Officers of the Public Works Department being calculated at Rupees 5,13,799, the total estimated outlay on Public Works† during the coming year from all sources is Rupees 86,68,367, being Rupees 12,45,985‡ in excess of the Budget estimate for the current official year.

	RS.
* From District Road, &c., Funds...	4,46,586
,, Educational Building do. ...	67,213

† Excluding State outlay on guaranteed Companies.

	RS.
‡ Imperial	12,12,640
Local Funds	33,345

4. The distribution of the available funds over the several parts of the Budget is clearly shown in the subjoined Statement, and I am to explain that in proposing this distribution the Governor in Council has kept in view the orders of the Government of India which reserve fifteen and twelve lacs for appropriation to original irrigation schemes and to Military New Works and Repairs, respectively :—

Funds.	Part III.—Repairs.							Part IV.	Part V.	Part VI.		Total.
	Military.		Civil Buildings.	Agricultural.	Communications.	Miscellaneous Public Improvement.	Total.	Establishments.	Tools and Plant.	State expenditure on works of M. I. and Canal Company.	State expenditure on Railways.	
	No. of works.	Allotment.	No. of works.	Allotment.	Allotment.	Allotment.						
		Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial ...	56	8,69,632	50	5,79,226	13,00,000	24,650	21,09,503	18,15,224	1,50,000	45,432	1,94,895½	75,79,895½
Do. Minor Works grant.	...	1,75,000	...	1,30,000	3,00,000	40,000	1,67,821	40,598	.....	.....	.....	8,15,000
District Road, &c.	...	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	6,34,799
Do. Minor Works grant.	...	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	11,787
Educational.	...	.....	11	57,679	.....	.....	3,423	6,109	.....	.....	.....	67,213
Total ...	56	10,44,632	65	7,66,905	15,90,000	64,650	22,80,749	18,61,931	1,50,000	45,432	1,94,895½	89,08,694½

Funds.	Part II.—New Works.								Total.		Military.	Civil Buildings.
	Agricultural.		Communications.		Miscellaneous Public Improvement.		Civil Buildings.					
	No. of works.	Allotment.	No. of works.	Allotment.	No. of works.	Allotment.	No. of works.	Allotment.	No. of works.	Allotment.		
		Rs.		Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
Imperial ...	74	13,00,000	73	5,91,333	259	24,650	50	5,79,226	456	43,75,687	1,55,368	1,02,010
Do. Minor Works grant.	...	3,00,000	...	1,70,000	...	40,000	...	1,30,000	...	8,15,000	.....	.....
District Road, &c.	...	.....	50	2,26,380	50	.....	...	.....	50	2,26,380	.....	.....
Do. Minor Works grant.	...	.....	...	11,787	...	.....	...	.....	...	11,787	.....	.....
Educational.	...	.....	...	.....	11	.....	11	57,679	11	67,679	.....	3,423
Total ...	74	15,90,000	122	9,99,500	320	64,650	74	7,66,905	517	63,75,687	1,55,368	1,05,433

5. Part II. of the Budget includes 259 Imperial projects, of which those noted below (six in number) require the sanction of the Government of India :—

1. Lawrence Asylum buildings, Coimbatore District.
2. Lunatic Asylum, Presidency.
3. Central Jail at Rajahmundry, Godavery District.
4. Central Jail at Coimbatore, Coimbatore do.
5. Regulating works for the river Cauvery, Tanjore do.
6. Coonoor Ghát new Trace, Coimbatore do.

6. The Government of India have been separately addressed on the subject of the designs for the Lawrence Asylum Works (Item 1), and they have now before them the revised estimate for the new Coonoor Ghát (Item 6) which was submitted with my letter No. 3,301, dated 16th October 1866.

7. The Superintending Engineers of the 1st and 7th Divisions have reported that the revised estimates for items 3 and 4 above will be ready by the 31st instant, and I am to state that no time will be lost in laying those estimates before the Government of India with full explanation of the causes which have operated in producing the large increase over the amount originally sanctioned in each case.

8. The other works entered above have not been commenced, and care will be taken that, except on the preparation of materials, no expenditure is incurred upon them until the plans and estimates have received the approval of the Right Honorable the Governor General in Council.

9. I am here to explain that items 12 to 34 of Part II. of the Budget are works connected with the Barracks which have been in course of erection for some years on the old Race Course at Bangalore. These buildings, as the Government of India are aware, were originally intended to provide Barrack accommodation for a Regiment of Cavalry, but it has since been determined to add buildings for the accommodation of two Batteries of Artillery. This measure, and the much greater extent of accommodation which it is now considered necessary to provide for all Arms of the service have tended to raise the total cost of the Barracks and subsidiary buildings to a sum considerably in excess of that originally sanctioned. Looking to these circumstances and to the fact that standard plans have yet to be issued for many of the subsidiary buildings, the Governor in Council has deemed it advisable to treat each work connected with these Barracks *separately*, and to provide funds for its construction as the plan and estimate receive the sanction of Government.

10. The following Statement will show, at a glance, the appropriations which have been made under the several Budget heads to unfinished* new works, and to works† which it is proposed to put in hand in 1867-68 :—

* Imperial	Rupees	19,01,095
Local Fund	,,	1,57,443
† Imperial	,,	13,63,746
Local Fund	,,	1,26,616

Allotment.		Total.				Miscellaneous Public Improvement.				Communications.				Agricultural.				Civil Buildings.				Military.				Grand Total.	
		Incomplete works.		Works not yet commenced.		Total.		Works not yet commenced.		Incomplete works.		Works not yet commenced.		Total.		Incomplete works.		Total.		Works not yet commenced.		Incomplete works.		Total.			
		Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.	Number.	Amount.
			Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
Imperial	...	147	19,01,095	112	13,63,746	3	24,650	1	5,000	2	19,650	72	5,91,333	7	64,970	65	5,26,363	92	12,00,000	53	7,61,635	21	4,38,365	56	8,69,632	33	5,41,403	259	32,64,841
District Road	...	27	1,19,059	23	1,07,321	...	...	...	...	...	...	50	2,26,350	23	1,07,321	27	1,19,059	...	...	...	...	11	75,314	5	33,384	...	...	50	2,26,380
Educational	...	5	33,384	6	19,295	...	...	...	...	...	...	...	...	...	...	5	33,384	11	57,679	6	33,384	5	33,384	...	...	...	...	11	57,679
Total...		179	20,53,538	141	14,90,362	3	24,650	1	5,000	2	19,650	122	8,17,713	30	1,72,291	92	6,45,422	92	12,00,000	74	7,61,635	53	4,38,362	56	8,69,632	33	5,41,403	320	35,48,900

11. The Government of India will observe that the Imperial assignment to New Works for 1867-68 exceeds the current year's grant by Rupees 14,75,407. This, I am to explain, arises partly from the more liberal allotment which has been made for this Presidency for the coming year, and partly from the transfer from the Public Works to the Revenue Department of the conservancy of the Salt works in the several districts, and of the Irrigation works in Vizagapatam, Nellore, Madras, North Arcot, and Tanjore. These changes have been carried out in pursuance of the views of the Government of India communicated in your letter No. 850 A, dated 18th September 1866, and I am to state that in the event of the partial transfer, which has been ordered as an experiment, proving successful, the change will be generally adopted throughout the Presidency, and it may then be possible to arrange the executive charges more in consonance with the system in operation in the other Presidencies. Meanwhile, with the increased assignment about to be sanctioned for New Works, no change will be made.

12. The allotment for Military New Works includes provision to the extent of

Rupees 5,36,474 for the accommodation of Troops.
Do. 75,900 for Ordnance.
Do. 78,158 for Commissariat.
Do. 1,79,100 for Staff.

Rupees 8,69,632 against Rupees 7,17,000 in 1866-67.

13. The distribution of the assignment to Civil Buildings* (original) is as follows:—

* Imperial.

	Rs.
Jails	3,67,356
Collectors' and Talook Cutcherries	99,000
Court Houses	41,848
Ecclesiastical Buildings	2,000
Police do.	31,900
Salt do.	222
General do.	36,900
Total...	5,79,226

against Rupees 2,20,926 in 1866-67.

14. Under Agricultural New Works, Rupees 12,00,000† have been provided. Of this amount Rs. 4,38,365 have been set apart for continuing operations on works which are in actual progress and are not expected to be completed by the 31st March 1867, and the balance, Rupees 7,61,635, represents the proposed outlay on works which have not yet been commenced. With respect to the former no remark is necessary, as the principle which this Government have followed of providing in the first instance for incomplete works is that which has been repeatedly urged both by the Secretary of State and the Government of India. As regards the latter, I am to state that a selection has been made of such works as appear to be either most urgently required or promise to be more immediately reproductive. Some of these are works which have been deferred from year to year on account of funds not being forthcoming for their execution; and, the information of money being now

† Rupees 10,38,396 for Irrigation Canals.
Do. 90,048 ,, Tanks.
Do. 13,297 ,, Dykes.
Do. 58,259 ,, Drainage.
Rupees 12,00,000 against Rupees 4,12,922 in 1866-67.

about to be made available having only recently been communicated to this Government, there has been no time in some cases to obtain detailed or revised estimates from the local Officers. These have consequently been entered in anticipation of their being shortly brought under the consideration of Government, but no expenditure on them will be permitted to take place till each estimate has been duly sanctioned.

15. The amount appropriated to Communications from the Imperial grant (new) has been thus distributed:—

	Rs.
To Roads	4,32,083
„ Bridges	99,250
„ Navigable Canals	60,000
Total...	5,91,333 against

Rupees 5,54,636 in 1866-67.

16. Only three projects, with a total estimated outlay from Imperial Funds of Rupees 24,650 (against Rupees 14,950 in 1866-67), have been proposed for new works of Miscellaneous Public Improvement.

17. The grant for Minor Works has been fixed at Rupees 8,15,000,* being in round numbers one-tenth of the Public Works assignment after deducting the State expenditure in connection with the works of the Madras Irrigation and Canal Company.

* Against Rupees 6,84,000 in 1866-67.

18. The Imperial allotment for Repairs in Part III. of the Budget is Rupees 21,09,503.† It will be seen that the estimate under "Military"‡ is in excess of the assignment§ for 1866-67 by Rupees 22,368, and this, I am to explain, is owing chiefly to an increased allotment having been made for the Bellary District, the Military buildings in which have this year been inadequately provided for, and to the transfer from the head "Communications" to that of "Military," of the maintenance grants for the roads within the Garrison of Fort Saint George, and of the Esplanade roads and the road along the east face of the fortress. Under the four remaining‖ heads the provision for the next year falls short of the estimate for 1866-67 by Rupees 3,12,865, of which Rupees 30,461 and 2,63,604 appertain to Civil Buildings and Agricultural works respectively, and the balance (Rs. 18,800) to Communications and works of Miscellaneous Public Improvement. The saving on Agricultural repairs by the transfer of the conservancy of the irrigation works in five districts to the Civil authorities would have been larger, but for the urgent necessity which exists for an augmentation of the grants for the remaining districts where the yearly assignments hitherto sanctioned have been shown to be utterly inadequate. The net reduction in the estimate for repairs for 1867-68, as compared with the current year's grant, is Rupees 2,90,497, and this amount, I am to state, has been appropriated to *Original* Works.

† Against Rupees 24,09,000 in 1866-67.
‡ Rupees 1,55,368.
§ Rupees 1,33,000.

	Grant for 1866-67.	Grant for 1867-68.
‖ Civil Buildings... ...	Rs. 1,32,471	Rs. 1,02,010
Agricultural	9,63,454	6,99,850
Communications	11,44,330	11,28,130
Miscellaneous Public Improvement... ...	26,745	24,145

19. The Budget of Establishments (Part IV.) amounts to Rupees 18,61,931, chargeable to Imperial and Local Funds in the following proportions:—

	Rs.
Imperial Funds...	18,15,224
Local do.	46,707

20. Provision is made in this part of the Budget (1) for the salary of the appointment of Consulting Architect to Government referred to in my letter No. 3,456, dated 30th October 1866, (2) for the graduated scale of salaries which was proposed for the Overseer class in my letter No. 3,067, dated 25th September 1866, and (3) for the special establishments which this Government have requested permission to employ in the investigation of large irrigation projects in various parts of the Presidency. The grants for Travelling and Military allowances have been reduced from Rupees 2,24,502 and 1,81,356 (in the current year) to Rupees 2,00,000 and 1,64,168 respectively, which sums there is every reason to believe will be found to be sufficient. On the whole, the estimate for establishments for 1867-68 exceeds the current year's* allotment by Rupees 33,881, and this excess, I am to state, is attributable almost entirely to the larger provision which has been made for temporary establishments.

See my letter No. 3,403, dated 24th October 1866.

* Rupees 18,28,050.

21. The amount which has been set apart for "Tools and Plant" in Part V of the Budget is Rupees 1,50,000,† of which Rupees 80,000 represent the value of stores included in the Indent on the Home Government which forms an accompaniment to this letter, and the balance (Rupees 70,000) is to cover the cost of tools and stores to be purchased in India, and all charges for landing, shipping, and repairing machinery.

† Equal to current year's assignment.

22. Part VI. of the Budget, which exhibits the State expenditure on guaranteed Companies, amounts to Rupees 2,40,327-8-0 as follows:—

Guaranteed Companies.	For Establishments.	For Land.	Total.
	Rs. A. A.	Rs.	Rs. A. P.
Railway Companies	57,523 8 0	1,37,372	1,94,895 8 0
Madras Irrigation and Canal Company ...	33,432 0 0	12,000	45,432 0 0
Total ...	90,955 8 0	1,49,372	2,40,327 8 0

23. The estimate of State expenditure on Railways is Rupees 600 less than that which accompanied my letter No. 3,575, dated 8th November 1866. This arises from the orders of the Government of India in the Financial Department under date the 28th September last, disallowing the increase of Rupees 50 per mensem which was recommended to be made to the personal allowance of the Consulting Engineer's Uncovenanted Assistant.

24. The proposed outlay from State Funds in connection with the Irrigation Company's works is Rupees 12,640 less than the current year's estimate, as shown below :—

Heads.	1866-67.	1867-68.	Less in 1867-68.
	Rs.	Rs.	Rs.
Land	20,000	12,000	8,000
Establishments	38,072	33,432	4,640
	58,072	45,432	12,640

a copy of Captain Mullin's letter giving cover to his Budget Estimate is enclosed for the information of the Government of India.

25. The Budget of expenditure from guaranteed Capital is as follows :—

	Rs.	Rs.
Madras Railway...		53,60,000
Great Southern of India Railway and Errode Extension...		6,90,000
Madras Irrigation and Canal Company		15,50,000
		76,00,000
Deduct receipts as estimated by the Railway authorities from sale of Stores, &c., to be credited to Capital	14,91,334	
Do. by Irrigation and Canal Company's authorities do. do. ...	10,000	
		15,01,334
		60,98,666

26. With regard to the proposed outlay of Rupees 15,50,000 on the works of the Irrigation Company, I am to state that the Consulting Engineer applied to this Government on the 21st September last for information regarding the arrangements which had been entered into between the Company and the Secretary of State for the provision of funds for continuing the Company's operations. In reply,* Captain Mullins was informed that the Government had received no communication upon the subject from the Secretary of State, and he was authorized to prepare his Budget for the ensuing year with reference to the "Statement of contemplated expenditure" which had been submitted to him by the Company's Manager. A copy of this correspondence is enclosed for the information of the Right Honorable the Governor General in Council.

* G. O. No. 3,168, 5th October 1866.

Note.—The Secretary of State's Despatch No. 19 of 1866 has just been received.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) CHARLES A. ORR, Colonel, R. E.,

Secretary to Government.

Exd. T. O'Connor.

intimation of Budget Estimate and their accompaniments.

Names of the parties to whom communicated	No. of Copies of Budget Abstract	No. of Copies of Budget Statement		Signature of the Receipt	
Superintending Engineer of the 1st Division	16	16	16	1	✓
Do. 2nd "	14	14	14	1	✓
Do. 3rd "	17	17	17	1	✓
Do. 4th "	15	15	15	1	✓
Do. 5th "	11	11	11	1	✓
Do. 1st "	13	13	13	1	✓
Do. 7th "	19	19	19	1	✓
Do. 8th "	11	11	11	1	✓
Controller of Public Works Accounts	11	15	15	1	✓
Accountant General	3	3	3	"	✓
Public Departments	11	3	3	"	✓
Revenue Department	8	3	3	"	✓
Military Department	7	3	3	"	✓
Officer in Charge of the Store Dept.	2	1	1	"	✓
General Supt. of Public Works Stores, Kirkee	1	1	1	"	✓
W. Fraser Esq. Special Ex. Engr.	1	1	1	"	✓
Consulting Engineer for Railways	4	2	2	"	✓
Consulting Engineer for the M. I. & C. Co.	4	2	2	"	✓
Manager to the I. & C. Company	4	1	1	"	✓
Inspector General of Madras Police	6	3	3	"	✓
Board of Revenue and Collectors	35	35	35	"	✓
Director of Public Instruction	2	1	3	"	"
Municipal Commissioners	3	1	3	"	✓
	219	191	195	9	9
Copies delivered to the Record Dept.	67	49	94	13	

Superintending Engineer's Office,
1st Dn. Waltair, 3rd October 1866.

No. 140

From Lieut. Col. F. J. Moberly R.E.
Off. Superintending Engineer 1st Dn.

To Colonel C. A. Orr R.E.
Secretary to Government, P.W.D.
Madras.

Sir,

Budgets. 6.

I have the honor to submit Budget Lists for 1867/68, as marginally noted. Explanation as to the increase of certain items in parts III or Repair Lists, will be found in Column of "Remarks".

1. Detail Estimate of Original Work & Establishment.
2. Statement.
3. Do for Repairs &c.

I have &c.
F. J. Moberly
Lieut. Col. R.E.
Off. Superintending Engineer 1st Dn.

19

From 4912

Thos. Seymour Esq. Secretary to Govt.

Dated 3rd
Rec'd 4th } October 66.
Ans. 5th

Encls. - 140.

Submits Budget Lists for 1867/68. for three Districts in this Div.

233

2330
253

65

1938-3939-11th Dec. 66.

No 2938-939-11-8-68-1,000

Vizagapatam

Detail of Estimate works for 1867-68.

Executive Division.	No.	Locality.	Project. Description.	No.	Computed Estimate Expenditure for 1867-68. upto 31st March 1867		Remarks or references.
Military							
No 2 Range	1	Vizagapatam	Quarters for Staff Sergeants 31st Regiment	88	0	3,088	Entered from the List of New Works furnished by the Dy Asst Qr Mr Genl Northern D.
						3,088	Military
Civil Building							
No 2 Range	2	Vizagapatam	Zillah Jail	324	23,680	16,644	G.O. No 3732 379 Dept Budget of 1866-67 Item No 62.
No 1 Range	3	Pentacotta	Formation of Public Salt Pans	090	0	10,000	G.O. No 677 of 10 March
No 2 Range	4	Judicial Establishment Gollamunchelly	District Moonsiff's Co	710	0	3,710	Do No 1580 of 31 May
Do	5	Do	Taling Cutcherry at	Do		14,000	Estimate will be forwarded shortly
						44354	

Vizagapatam District

Detail of Estimate for original works for 1867-68.

Executive Division.	No.	Locality.	Description of Project.	Amount of Estimate.	Computed Expenditure upto 31st March 1867	Estimate for 1867-68.	Remarks or references.
						14,354	No. 10325 dt. 12th Oct. 1866
No. 3 Range	6	Parvatipur	Apothecary Quarters	2770		2770	Estimate forwarded with letter No. 133 dt. 27th September 1866
					Total Civil Buildings	47,124	

Agricultural.

No. 1 Range	7.	Thamerla & Cherla	Constructing a Dam across Mulaliguddu	2940	0	2940	Sanctioned in G.O. No. 3390 dt. 20th Nov. 1863.
			Minor works below 500 Rs.			2,000	
					Total Agricultural	4940	

Communications.

No. 3 Range	8.		Trunk Road from Chittivulsah to Chicacole	93,460	46,535	15,000	Sanctioned in G.O. No. 1628 dt. 24th Augt. 1857

Vizagapatam District

II.

Detail of Estimate for Original works for 1867-68.

Executive Division.	No.	Locality.	Project. Description	Amount of Estimate.	Combined Estimate Expenditure upto 31st March 1867	Estimate for 1867-68.	Remarks or References.
No. 2 Range	9		Road from Vizagapatam to Cassimkotta	1,15,000	63755	15,000	G.O. No. 110 & Correspondence. Budget of 1866-67 Page No. 109
Do.	10		Pitta Ghat Road		16,000	10,000	Do — Do — No. 110
Do	11		Construction of Road and the Clearing of Jungle in the Sayapur country		15,000	10,000	Do — Do — No. 111
No. 3 Range	12		Road from Parvatipur to Palcondah	19,405	1581 1/2 6003 81 76,381	13,024	Sanctioned in G.O. No. 3 of 3d January 1866.
No. 2 Range	13		Road from Pulicacottah Salt Pans to Tooney	23,640	0	10,000	Do — Do — No. 677 of 10th March 1865.
			Minor works below 500 Rupees			1000	
					Total Communication	74,024	
					Total Original works	1,29,176	

Supt. Engr. Office
1st Dn. Waltair
3rd October 1866.

F. J. Ledeboer. Lt. Col. R.E.
Asst. Supt. Engineer 1st Dn.

Enclosure in Collector's letter No. 140 of 3rd Oct. 1866, from the Executive Engineer E. D. to the Secretary Board of Revenue, P.W.D.

Collector's Letter dated 3rd Oct. 1866. Recd 10th do.

Topographical Sketch of the Detail of Estimate for original works for 1867/68.

Rough Rec'd 10th Oct. 1866.

Godavery District.
Part III.

Detail of Estimate for Repairs for 1867-68.

93

		Estimate for 1867-68. Amount Total.	Estimate for 1866-67. Amount Total.
Military.			
Samulcottah	Minor repairs to Buildings	3,000	
Ellore	do	200	
		3,200	2,000
Civil Buildings			
Minor repairs to Salt pans &c.		2,000	
do to Revenue &c. Buildings		5000	
do to Police Stations		300	
		7,300	5,941
Agricultural.			
Repairs to Irrigation Canals, Tanks, Dykes, Drainages		170,000	(134,000) 130,000
Communications			
Trunk Road No. 6 from Coconada to Ellore	Repairs &c. to metalling	11,000	11,000
Coringa Canal 30 Miles.	Clearing and maintaining	3000	2,000
Cocanada - 32 - do	do	3,200	2,000
Samulcottah 32 - do	do	2,400	1,000
Amalapur 37 - do	do	3700	2,000
Narsapur 33 - do	do	3300	1,500
Ellore 56 - do	do	5600	1,500
Dredging Channel Head		3,000	3,000
River Improvements		6,000	
		2723	
		41,200	180,500
			141941

Estimates are now in hand unsanctioned for want of time

The allowance for these important Navigation Canals is quite inadequate and far less than similar works in the Kistna even allowing for the greater amount of silt in the water of that River.

Many parts are being eaten away for want of regular petty repairs.

		41,200	150,500	141941
Minor repairs to Roads &c	3,800			
—do— Travellers Bungalows	1,000			
		4,800		
		46,000		30,500
Mis: Public Improvts				
Repairs to Cocanada Harbour	16,000			
Minor repairs	600			
		16,600		16,600
Tools & Plant		12,000*	2700	
		12,000		2,700
* New supplies 1,000				
Repairs 11,000				
Total Repairs		255,150		101,741

Repairs of boats, new & suitable provided

Supt Engr Office
1st Dec Waltair.
3rd October 1866.

F. Nuthall
Supt Engineer 1st Dn

Statement shewing the details of works the Estimates of which are under 2500 Rupees each.

2 H

	Estimate for 1867-68		Estimate for 1866-67	
	Amount	Total.	Amount	Total.
Communications.				
Repairs to Road from Cocanada to Neelapilly	640		640	
Repairs to Road from Dowlaishwaram to Rajahmundry	900		900	
Repairs to Road from Dowlaishwaram to Amlapt via Sappers Camp to join road to Rajahmundry	200		200	
Discretionary Allowance		1500		1500
Bridges &c		500		500
Travellers Bungalows		1000		4300
		4800		

Godavery district.
Part III

Detail of Estimate for Repairs for 1867-68.

Estimate for 1867-68. Estimate for 1866-67.

Summary Estimate Annual Estimate

Military.

Minor repairs to Buildings not exceeding 2500 Rs each — 1000 — 120 — 1120 — The amount this year insufficient, not admissible to attempt this year. 320 Rs. Estimate Rejected.

Remarks. Public Works Department. Military Board. Minor repairs Allowance 2000 Rs. We inspected on 1st Feb 1867 and found the Buildings in a very bad state. Bamaly to Kongadai — 1152 — Kongadai to Cocanada — 2093 — Cocanada to Kongadai — 2100 — Kongadai to Bellagoodda — 1920 — Bellagoodda to Rampachodavaram — 1920 — 10205

Minor repairs below 2500 Rs — 100 — 100 — 100 — 100

Total Plank — 1/1000 — 1000 — 1000 — 10000

x Wear and tear 20% — Total — 7713 — 7713 — 77237

Repairs — 800.

Rejected

Recommended

Executive Engineer.

Superintending Engineer's Do

Executive Engineer's Office 1/2 Estimate

Date 3 October 1866.

Enclosure in a letter
No 140 of 3d October 18
from the Supt Engr
1st Dn to the Secretary
to Government P. W. D.

No 7 H 9/12/66

Dated 3d October
Despd 3d — Do — } 1866.
Recd

Godavery District

Detail of Estimate
for Repairs for 1867-68

From the Dept. 166 Ln 4 233

Ganjam District.
Part III

Detail of Estimate for Repairs for 1867-68.

			Estimate for 1867-68. Amount	Total.	Estimate for 1866-67. Amount	Total.	
Military.							
Berhampur.	Minor repairs to Buildings not exceeding 2500 Rs each		1,000				The amount being insufficient & not similar to that in other Military Cantonments.
	Cantonment Roads		120	1120	"	320	
Civil Buildings.							Coll'r's entries
	Minor repairs to Salt pans		4880			4790	
	do to Rev: ven Buildings		~~1200~~			600	
	do to Police Stations		~~800~~			400	
				6880		5790	
Agricultural.							
	Repairs to Irrigation Canals Tanks, Dykes, Drainages		"	20000		19600	
Communications.							
	Trunk Road No 6 from Chicacole to Bengal Frontier	Repairs ven to metalling		16205		16205	There are merely totalled up from scattered items in former Budgets. A.
	Road from Chicacole to Calingapatam	do do		2928		2928	
	Road from Berhampore to Aska	do do		4800		4800	
	Road from Aska to Russelcondah	do do		2885		2885	
	Minor Repairs to roads ven			20095			
	do to Travellers Bungs			1000			
				21095		19609	
				47913		46427	
Mis. Public Improvt.							
	Minor repairs below 2500 Rs			100		100	
	Tools & Plant			1000		1000	
				77013		73237	

x New supplies 200
Repairs — 800.

F. J. Newberry. Lt Col RE
Actg Supt & Engineer 1st Div

Actg Engr's Office 1st Div
Ganjam 3rd October 1866.

Statement shewing the details of works the Estimates of which are under 2500 Rupees each.

	Estimates for 1867-68. Amount	Total Amount	Estimates for 1866-67. Amount	Total	
Military.					
Cantonment roads at Berhampore —	"	120	"	120	
Communications.					
Annual repairs to road from Chicacole to Palcondah	2400	✓	2400		
Do — to approaches of Chicacole Bridge	58	✓	58		
Do — to road from Tekally to Poondy —	692	✓	692		
Do — to road from Kemidy to Nursunapetta	616	✓	616		
Do — to road from Chinthada to Gara —	845	✓	845		
Do — to road from Nursunapetta to Calingapatam	672	✓	672		
Do — to road from Kemidy Boundary to Tekally	528	✓	528		
Do — to road from Teckelly to Nowpada Salt pans	480	✓	480		
Do — to road from Omeravelly Salt pans to Chicacole & Calingapatam	230	✓	230		
Do — to road from Bomully to Sunttooshapur	1700	✓	1700		* Part of grant Rs 4550 for road from Chicacole to Sunttooshpur
Do — to road from Nowpada Salt pans to Sungumattipur on road from Chicacole to Palcondah	2256	✓	2256		
Do — to road from Berhampore to Gopalpore	1080	✓	1080		
Do — to road outside the Town of Berhampore	290	✓	290		
Do — to Road Connecting Beersolah on Trunk Road No 6 with the port of Sonnapur	590	✓	590		
Do — to road on Do. with the port of Gopalpore	290	✓	290		
Do — to road from Russelcondah to Mojagada	286	✓	286		
Do — to road from -Do- to Kollada —	290	✓	290		
Do — to road between Mojagada & Sunkerkole	2076	✓	2076		
Do — to Aska & Darangabady Road —	1536	✓	1536		
Repg completed portion of Road from Bellepadra to Kurchoty 6 Miles	640		0		Estimate will be submitted shortly
Do — Do — of Road from Aska via Bullepaddra, Vishnuchurum & Bellogonta on the N. Banks of Mahanundy River 8 Miles	250		0		
Discretionary Allowance —	1500		1500		
Bridges —	500		500		
Ferries —	100		100		
River Improvements —	250		250		
Repg Traveller's Bungalows —	1000		402		Collr entry
	21095		19609		

B. No 2

Henry K. Rawle & Wife & Lands. Jones to
Commissioners } 6781

—Do— Eus. from Commissioners to
Chas. Hamilton } 1000

—Do— Jones from Chas. Hamilton & Ors.
= executors } 1910

9691

Enclosure in Letter
No. 140 of 3 October 1865,
from the Lt. Gov. Engr.
& Dr. to the Secretary
to Government P. W. D.

Dated 3rd October
Recd 3rd — Do — } 1866.
Recd

Gunjam Distt

Detail of Estimate
for Repairs for 1867-
= 1868.

Encl: 14 Dec 1866 No 1233

Vizagapatam District.

Part III

Detail of Estimate for repairs for 1867/68.

	Estimate for 1867-68. Amount	Estimate for 1866-67. Total Amount	Total.
Military.			
Vizagapatam. Minor repairs to Buildings not exceeding 2500 Rs each	1400		
do Cantonment roads	1750		
do Minor repairs to Buildings	1700		
Vizianagrum do Cantonment roads	310	5760	5760
Civil Buildings.			
Minor repairs to Salt-pans	3200		
do to Revenue & Police Buildings	1000		
do to Police Stations	300	4500	4500
Agricultural.			
Repairs to Irrigation Canals, Tanks, Dykes, Drainages	11000	11000	6000 6000
Communications.			
Trunk Road No 6 from Tuni towards Chicacole via Tamulavalsa	Repairs van to metalling	9691	
Road from Vizianagrum to Palcondah by Cheepurpilly	2388 1910	4298	
Road from Vizagapatam to Anakapilly		3820	
do from do to Tamulavalsa		2865	
do from Palconda to Parvatipur		2817	
do from Vizianagrum to Bowdara		2865	
		Abandoned - See GO. 1330 of 27/9/66	
		26356	20660 15660

Collr's entry.

These are merely totalled up from scattered items in former Budgets

B.

	26356	25660	15660
Minor repairs to Roads &c	13288		
— Do — Travellers Bungalows	500		
	13788		
		40144	42567
Mis: Public Improvts			
Minor repairs below 2,500 Rs — "		1300	1300
Tools and Plant		*1000	1000
* Gross supplies 200 Repairs 800 / 1000	Total Repairs.	63102	60827

Supt Engrs Office
1st Dec Waltair
3 October 1866.

F. Hudson. Lieut
Asst Supt Engineer 1st Dn

Statement shewing the details of works the Estimates of which are under 2500 Rs each.

	Estimate for 1867-68. Amount	Total.	Estimate for 1866-67. Amount	Total.
Military				
Cantonment roads at Vizagapatam	1750			
— Do — Do at Vizianagrum	310			
		2060		2060
Communications				
Repairs to portion of Seyapur Road via Soongavarapucotta & Cassiepur from Vizagapatam	2450			
Repairs to Road from Narsipatam to Challakolleru	931			
— Do — Road to Golgondah	465			
— Do — to Road to Polaram	1862			
— Do — to Road to Kondasamutha	382			
— Do — to road from Bimlipatam to Chittivalsa	1074			
— Do — to road from Tamalamulvah to Bimlipatam	191			
— Do — to road from Kukapilly to Tatipurthy	936			
Repairs to road from the Seyapur road at the 2nd Mile from Vizagapatam via Turrava, Gazuvaka to Bulachuro	1714			
Repairs to road from Turrava to Gopalpatam	382			
— Do — Road from Chittivalsa to Vizianagrum	1146			
Discretionary Allowance	1500			
Boats Bridges	250			
Travellers Bungalows	500			
		13788		4700

No 4 B

From.

Superintending Engineer Vizag Dn
Ramachatam.
24th November 1866.

To

Lieutenant Colonel G.W. Maseam R.E.
Superintending Engineer 2nd Dn

Sir,

Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Madras.

Sir,

In forwarding the Budget Estimate for 1867-68, it seems desirable that I should explain the principle which has guided me in selecting the "original" works, for some of which the Estimates are not quite ready to lay before Government, though their sanction has been obtained to all, when Colonel Anderson forwards his general scheme for the Vizagapatam Dist.

2 Here are only 3 really favourable working months in the year in the Vizagapatam District viz. from 15th March to 15th June. During the rest the land is generally under water or the Roads are emptied on their cultivation, most of the Labourers of former times having now become small land owners. During these months whilst original work should progress with all possible vigor, we are crumpled by the fact that the Channels must be cleared from the silt accumulated during the Land Storms, & therefore instead of widening existing sluices & making new Channels to extend our

No 4 B
Dated 24th November 1866.

Enclosure in a letter
No 140 of 3rd October
from the Supdg
Engineer 1st Division
to the Secretary Govt
P.W.D.

J No 4961 of 1865

Dated 3rd Oct
Despd 3rd do } 1866
Rect

Vizagapatam Dist.

Detail of Estimate
for Repairs for 1867-

From 14th Dec 1866 No 23

our irrigation systems, nearly all available labor is employed on clearances.

3 The silt of the Kistna is of a light nature & whilst in suspension is carried on with a moderate velocity; 7 or 8 inches fall per mile suffices to do this; & Colonel Anderson proposed that the present main Canals, which have only a fall of 3" or 4" per mile, should be made into still water Channels & that irrigation side Channels dug with falls varying from 9" to 1' per mile. This is what I propose to do during next year & have entered large sums in the Budget for the purpose, curtailing the items for annual clearances as much as I dare do, in order that the available labor may be employed on Works: this will eventually put an end to silting.

4 The Estimates for the Works as per Margin are nearly ready & will be forwarded with the least possible delay.

5 Another fact which I should bring to the notice of Government is, that nearly as much land is now irrigated as the present channels will supply; at times, it is with great difficulty the crops can be saved during November & December, and if the north East monsoon were to fail (an event by no means impossible). I fear considerable loss would ensue. The estimate for "improvements to the Channels in the Krasnapatam Section" —

Rs.

× Enlarging head of Buckingham Canal for 1000 yards. Widening Eddore Channel from head to Kowvelaroo. Do Kimmarru. Enlarging Eddore Channel from Pulgaroo to Kimmarru.

Rs. 1,72,830 will do a great deal to this end but not enough. We shall be able to draw off more water at Kunkipad, but then the supply at that place where sufficient must be kept for navigation is itself limited. We cannot keep kept than 4' on the upper sill of the Lock. I propose therefore at once to commence the widening of the main Canal from the head to the junction of Ellore Canal, distance 3000 ft, by 10 ft. This will cause a greater surface slope from the latter point to Kunkipad & thus increase the supply.

Item 2. Proposed Grant 15000 Rs.

6 If these works get on well during next year & the silting of the main Canals can be stopped by the adoption of still water navigation Channels in 1868-69, the widening of the Masulipatam & Ellore main ducts & Ryves Channel may be commenced, & by 1871/72 it may be possible to command as much water as will be required for some years.

7 The Doggerala Lock will next year probably be finished & navigation may be kept up by 1st Class Boats from Sertanagram to the terminus of the Comamoor Channel near Sukkeneeptiny for one circumstance viz that the present old lock at Jaggerlamudy is only 50' × 10' & no large Boat can pass it. I hope in a short time to send in an Estimate for a 2d Class Lock 150' × 20'. (I have not thought it necessary to make it a first Class Lock as the drop

draft is only 2'). I have estimated £1001 for expenditure upon it during the coming year.

8 I have entered 150 cubic for repairs on the High Level Surveyship Channel in the Nellore District. The Permanent Bells Works have already become fairly remunerative (15.66 per cent profit on the outlay having been shown in my last returns), but if the above named Channel & its subsidiary Works were furnished ... there is no doubt that the Revenue would be greatly increased & I hope that Government will direct that this work be prosecuted with vigour. You will observe that including the above 15,100 Rs. the total estimate for Nellore under Head "Agricultural" amounts to only 47,321 Rupees. The Estimates & plans will, I hope, shortly be ready for submission.

I have the honor to be
Sir
Your most obedient Servant
Geo. F. Bruce
Lt Colonel
Superintending Engineer
2nd Circle

234

Stores No 1084 of December 1865.

From The Superintending Engineer 2nd Circle

To The Secretary to Govt Public Works

Dated 24th September 1866.

Rec'd 28th ditto

Ans 5 Dec 1866 Ex. 6

Forwarding Budget Estimates for 1867/68 and explaining the principle which has guided him in selecting certain original works for which the Estimates are not quite ready to lay before Govt though their sanction has been obtained to all when Colonel Cotton forwarded his General scheme for the Delta works.

1866 30-38-8-39-29-11 Nellore 66

Statement II

Kistnah District.

Memorandum shewing the Maintenance Grants included in the Budget of 1867/68.

Station and Locality	Items.	Amount	Remarks.
	Imperial.		
7th or Masulipatam Range	Repairs to Cantonments Roads at Masulipatam.	347	G.O.G. No 352 of 1865, Fort St George Gazette p. 492.
	Communications.		
6th or Bezwarah and 7th or Masulipatam Range	Hyderabad Road from Masulipatam to Bezwarah.	5820	G.O. No 2280 dated 11 December 1861.
5th or Nundigam Range	Road from Bezwarah to Nizam's Frontier	10,035	G.O. Nos 246, 201, 2850 and 1249 dated 28 Feby 1857, 21st January 1869, 28th July 1862 and 26th May 1864.
4th or Pakhal Range.	Trunk Road No 7 from Koppera pad to Pangidi	3900	G.O. No 1298 dated 6th May 1864.
3rd or Guntur Range,	Trunk Road No VI from Vetanagram to Guntur.	1455	G.O. No 1656 dated 15th June 1865.
2nd or Repetah Range,	Road from Bakolu to Chinaganjam	720	G.O. No 2689 dated 24 August 1866.
1st or Bezwarah Range	Do from Amrapolli to Gudevada and Bantumilly	1440	Do Do
6th and 7th Ranges Masulipatam Canal.	Maintenance of Towing Paths for 48 Miles at 30 Rupees per mile	1440	
6th Range Ellore Canal	Do for 27 Miles at Do	810	
	Carried over.	25,620	

Brought Over 25,650

Road from Manantuano to Tarma
Patho for 41 Miles
at 30 Pesos per Mile. 1230

Total Communication 26,880

Total Diverse Roads 27,191

Local Roads

Road from Cabanaconde
to Pamparomas 8 Miles
at 50 Pesos per Mile. 400 x

Road from Yanque
to Pinaire 17 Miles
at 100 Pesos per Mile. 1700

Road from Pinaire
to Tuco-Co 6 Miles
at 50 Pesos per Mile. 300 x

Road from Pinaire
to Isabella 14 Miles
at 50 Pesos per Mile. 700 x

Road from Huanchapa
to Corporaque 11 550 x

Road from Huanchapa
to Cabanaconde 16 Miles
at 50 Pesos per Mile. 800 x

Road from Yanque
to Lari 25 Miles
at 60 Pesos per Mile. 760 x

Road from Yanque
to Tomarana 22 Miles at 30 Pesos 660

Carried over 5810.

Brought Over 5810

Road from Viniacanda
to Paramichay 28 Miles
at 30 Pesos per Mile. 840 x

Total Local Roads 6,660

x These works are proposed to be executed under the supervision of the Revenue Authorities.

Supt Engrs Office S.D.E.
Arequipa
24 September 1866

Lieut. Colonel
Supt Engineer S.D.E.

Rom. Ch. Suburbicarian Sees

28 Bishops

Rom. Ch. Secretary Clerks

Paid 24 Volumes

Clerks 28

Rom. Ch. Officials

Remuneration allowed the Translations and Grants included in the Receipts of 1867/68. Part III.

From the Chief Engineer
2d Division

H. Ellerton Esq.
(2 Copies)

Dated 24th November 1866
Rec'd 25th "

Rec'd
" 29 Nov 1866
from the Chief Engineer
Nellore District

Part III.

Detailed Estimate
for Repairs for
1867/68.

Kistna District.
Part III 46
Detail of Estimate for Repairs for 1867/68.

		Estimate 1867/68. Amount	Total	Estimate 1866/67 Amount	Total
	Military				
Masulipatam	Minor Repairs not exceeding 2500 Rupees	200			
Do	Maintenance of Communications Roads	341			
	Total Military		541	"	1841
	Civil Buildings				
Masulipatam	Minor Repairs to Revenue & Civil Buildings	3000			
Guntur.	Do Do Do	500			
Kistna Dist	Do to Collectorate	1500			
Do	Do to Police Stations &c	200			
	Total Civil Buildings		5200		8000
	Agricultural				
Kistna Anicut Masulipatam Canals.	Repairs		15000		
	Repairs to banks.	4000			
	Clearance of beds.	16000			
	Repairs to branches	8000			
	" to Locks & Calingulahs	800			
			28600		
Ellore Canals.	Repairs to banks.	2000			
	Clearance of beds.	5000			
			7000		
Nojanpetam Canal.	Repairs to banks	1000			
	Clearance of beds	4000			
	Repairs to Branches	3000			
	Repairs to Locks & Calingulahs	1500			
			9500		
	Carried Over		60,000		9841

		Estimate 1867/68 Amount	Total	Estimate 1866/67 Amount	Total
	Brought Over		60,000		9841.
Western Bankshall	Repairs to Banks	1000			
	Clearance of beds	1000			
	Repairs to Branches	2000			
	Repairs to Calingalabs	500			
			4,500		
Communication Channels.	Repairs to Banks	2000			
	Do to Branches.	3000			
	Do to Masonry Works	1000			
			6,000		
Pynes Channels	Repairs to Banks	500			
	Clearance of beds.	1000			
	Repairs to Branches	2000			
	Do to Sluices.	500			
			4,000		
Pullaini	Repairs to Banks	5,000			
	Do to Branches	10,000			
	Do to Masonry Works	2000			
			17,000		
Tanks.	Repairs to Tanks Embankments in the Mondellaic portion of the District -		6000		
	Total Agricultural		97,500		113,000

Communications

Repaired Road from Mandi: Patam to Bungalow.	Repairs and Metalling		5820	
Road from Beyanelatto Nizam Boundary Trunk Road	Do	Do	10035	
Road from Kottai Road to Bungalow.	Do.	Do	3900	
	Carried over -		19756	

	Estimate 1867/68 Amount	Total	Estimate 1866/67 Amount	Total
Brought Over	19755			47
Minor Repairs not exceeding 2500 Rs each.	8855.			
Repairs to Travellers Bungalows.	700			
Total Communications.		29310		29310
Miscellaneous Improvements. Minor Repairs not exceeding 2500 Rs each.	500			500.
Total Imperial Funds		133051		152657

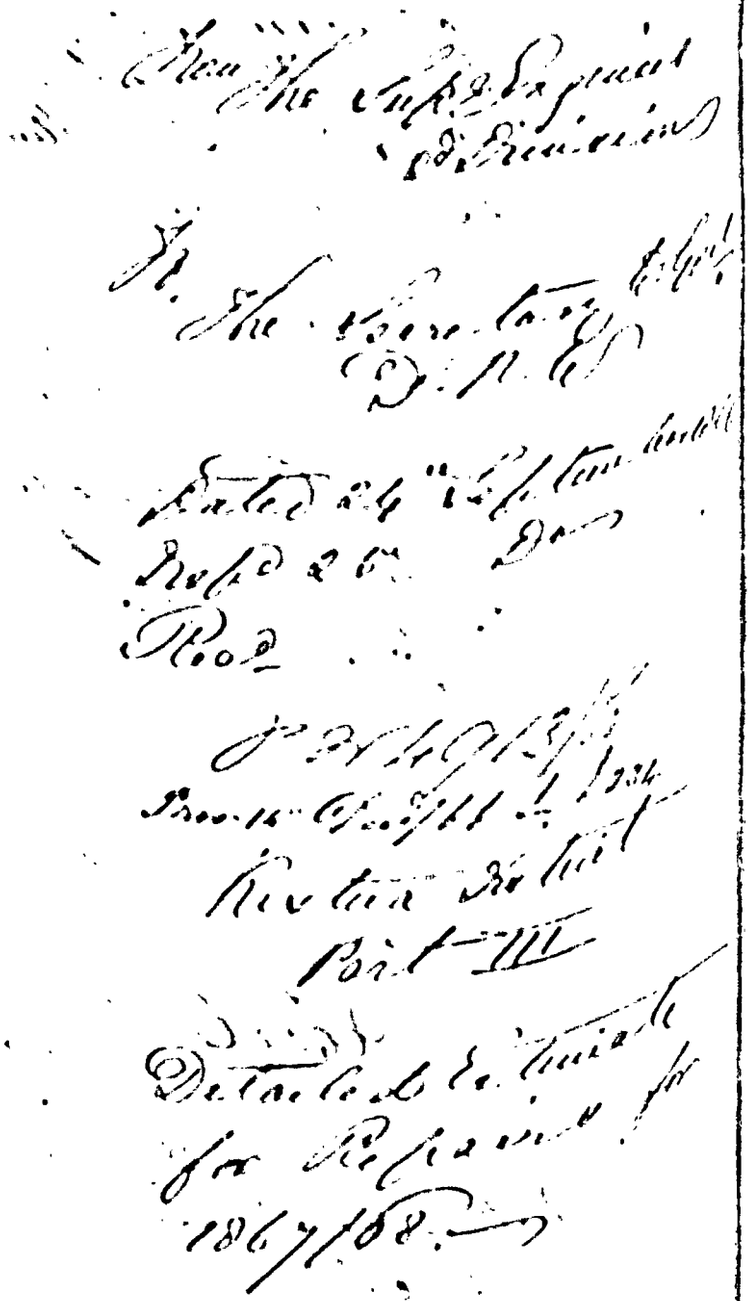
Local Funds.

Communications.

Minor Repairs to Roads not exceeding 2500 Rs each	18650.		
Do to Ferry Boats	1000		
		19650	16467
Total Local Funds.		19650	16467
Total Imperial and Local Funds		152701	169118

Superintending Office 2nd Div.
Aranthangi -
26 September 1866.

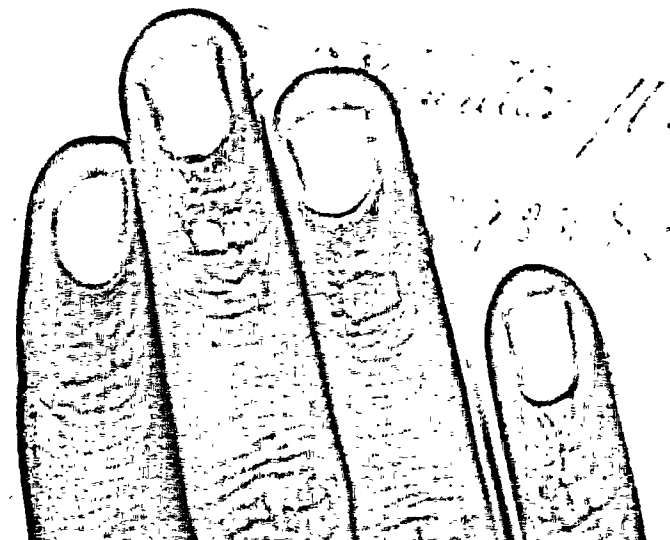
Geo. Simson Lieut & Col.
Supt Engineer 2nd Div.

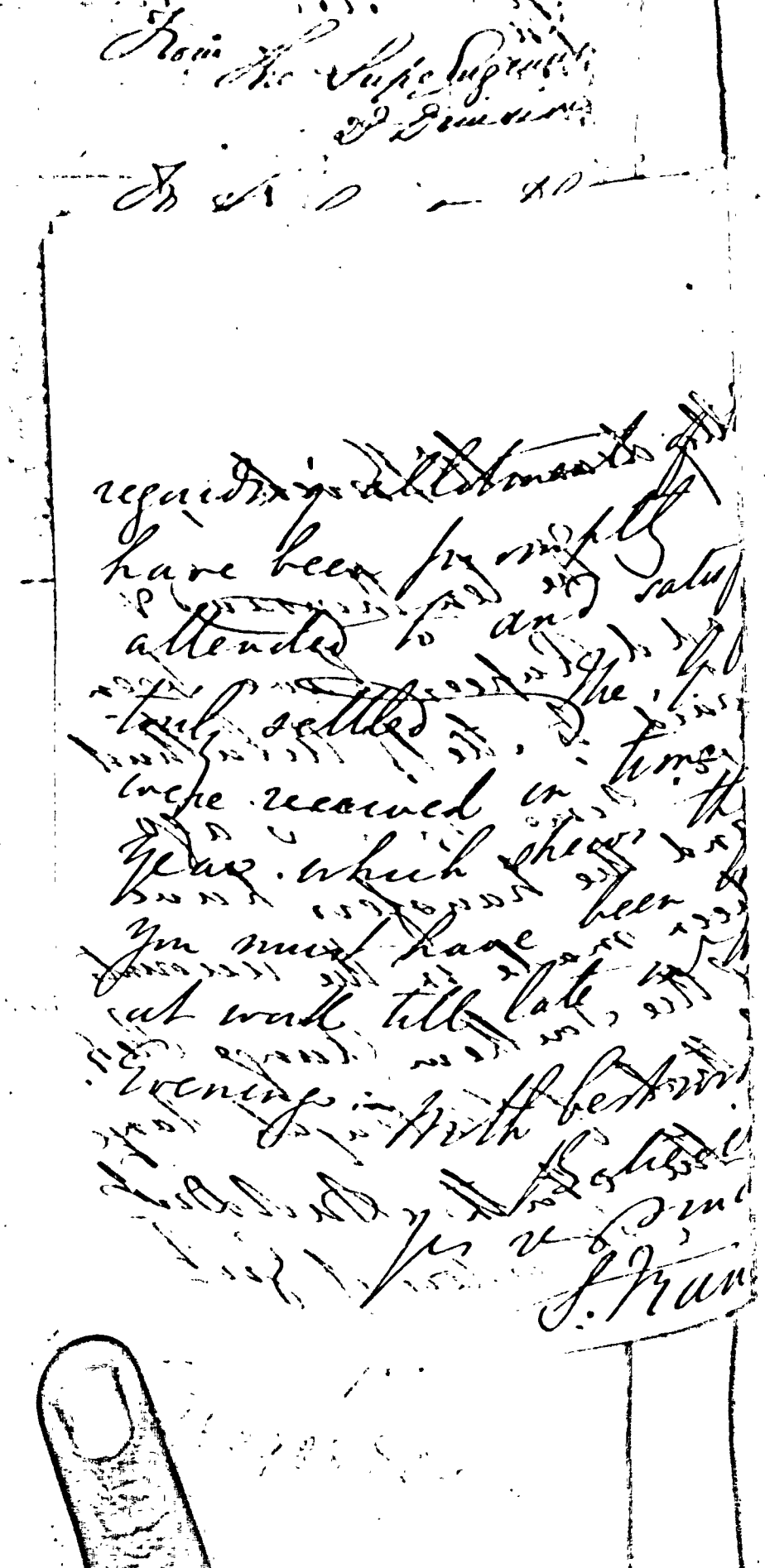


P. S. I would thank you to send us a manuscript Budget for 1867/68. I shall return it soon.

My dear Mr Brick

The ten thousand &
odd Rupees have been
paid to Messrs Abbatthnot
& Some months ago
and the hanofers have
been made in the accounts
of the Southern Range Chest
Head of Wallajah Range
Sth North Arcot Dist
All orders of Govt





3cd Division

Part III

Detail of Estimate for Repairs for 1867/68

				Estimate 1867/68 Amount	Total Amount	Estimate 1866/67 Total
			Military			
Cuddapah. (vide G.O. No 3116 of 1st Oct: 1866)	Minor Repairs to buildings not exceeding	Rupees 2500. each		400.	400.	200.
Kurnool	Do.	Do.		500.	500.	500.
Bellary.	Do.	Do.		18,000		
vide G.O. No 3116 of 1st Oct 1866)	Cantonment Roads			4660.	22,660.	17,000.
			Total Military		23,560.	17,700.
		Civil Buildings.				
Cuddapah	Minor Repairs to Revenue					
Poddatoor	Buildings			400		
uddapah.	Do.	Do.		1,500		
Pullampett	Do.	Do.		500.		950
Nandanapully	Do.	Do.		700	3100	3100
	Price Statteress				3,350	
Kurnool						
Kurnool.	Minor Repairs to Revenue					
	Buildings			200.		
Nundial.	Do.	Do.		100.		350
Cumbum.	Do.	Do.		350.	350.	350.
	Peters Statteress				650	
Bellary						
Military Buildings Range.	Do.	Do.		200		
Bellary.	Do.	Do.		700.		
Kadlighi	Do.	Do.		175.		
Raidroog	Do.	Do.		200.		
Anantapoor	Do.	Do.		150.		
Pennacondah	Do.	Do.		70.	1495.	1495.
			Total "Civil Buildings".		4945.	4945.

		Estimate 1867/68 Amount	Estimate 1866/67 Total Amount	Total
	Agricultural			
Cuddapah	Minor Repairs to irrigation Channels	7500		
	Do Tanks and Dykes	27700	35200	32500
Kurnool	Minor Repairs to irrigation Channels	7000		
	Do Tanks	15600	22600	20500
Bellary	Tungabudra Channels Repairs	15200		
	~~Minor Repairs to Irrigation Channels~~	19000		
	Do to Tanks	35500	69700	14700
	Total Agricultural		127500	117700
Cuddapah.	Communications			
	Road from the Cantonment of Cuddapah to Bellary frontier Repairs &c to Metalling		10096	
	Road from Rayachoti via Madanapally to Pomgaroor frontier Do		5616	
	Road from Kazipett, or 13½ mile stone to Kurnool frontier near Chagulmurry Do		2945	
	Road from 13½ mile stone to Nellore frontier		3510	
	Trunk Road No XI from Cuddapah to Kalastia including Goovalcheroo Ghaut Do		10400	
	~~Road from Rayachoti over the Sunjeevy Ghaut to the Chigoor River Do~~		~~2800~~	
	Road from Rayachoti to Kuddiri Do		3712	
	Madras Road from Ramanalapally to Nellore		4203	
	Kurnool frontier Do		11792	
	Trunk Road No XI from Kullikada to Nellore Do		3760	

		Estimate 1867/68 Amount	Estimate 1866/67 Total Amount	Total
	Communications (Continued)			
	Road from Madanapally via Kuddiri to the Bellary frontier Repairs to Metalling		7060	
	Minor Repairs to Roads &c		18110	
	Do to Travellers Bungalows	600	18710 80421	75477
Kurnool				
	Road from Kurnool to Koppel Repairs &c to Metalling		7530	
	Do Koppel to Jonnagherry Do		2320	
	Do Kurnool to Gooty Do		7650	
	Do Nundial to Gazalapully Do		4460	
	Do Nundial to Cuddapah Frontier Do		3290	
	Do Gazalapully to Kristnamsetty pully			
	including Kunderamma Ghaut Do		6240	
	Do Kristnamsetty pully to Nellore frontier Do		2970	
	Minor Repairs to Roads &c		4070	
	Do to Travellers Bungalows	204	4274 38742	38030
Bellary				
	Road from Tornagal to Bellahonsey via Hospett and Ramandroog Repairs to Metalling		11652	
	Road from Cantonment of Bellary to Tornagal Do		2820	
	Road from Bellary to Merkhall Do		2820	
	Do Do to Madhaverum Do		10890	
	Do Alloor to Koppel & Adoni Do		2760	
	Do Bellahonsey to Himpasagur Do		2720	
	Trunk Road No XII from Joladrasy to Ancantapur Do		4720	
	Joladrasy to Cuddapah Frontier Do		11430	

	Estimate 1867/68	Estimate 1866/67
	Amount	Total Amount Total
Communications (Continued)		
Road from Gooty via Moktapoor to Bangalore frontier		
——— Repairs & Erections	6770	
——— Do. Goottoor via Penneaundah to Bangalore Do.	5766	
Minor Repairs to Roads &c.	17256	
——— Do. to Travellers' Bungalows	600. 17856	79.554
Details of Minor Repairs		
Communications		
Cuddapah		
Annual Repairs to Road from Cuddapah to Cancanalapully	1280	
——— Do. Bridges and Rolla Bridges	240	
——— Do. to Road from 3½ mile stone to Kanigiri		
13½ mile stone	1820.	
——— Do. Road from Cheyair River to Rajampett	2220	
——— Do. Do. Pullampett to top of Ranjan Ghaut	1820	
——— Do. Do. Madanapully to the Mysore Frontier	730	
Discretionary allowance	13000	13110
Kurnool		
Stoping the banks of the rivers Kristna and Toongabadra	100	
Annual Repairs to Road from Kurnool to Karaun		
——— Do. to Secundrabad	930	
——— Do. to Gazidamidgi	640	
——— Do. to Mantralamah Ghaut	1400	
Discretionary allowance	4000	4070

	Estimate 1867/68	Estimate 1866/67
	Amount	Total Amount Total
Bellary		
Annual Repairs to Road from Koodatany to Trumpli	1856	
——— Do. Antapoor Pass	50.	
——— Do. Road from Bellary via Paramadavenhully to Joladeraty	1770	
——— Do. Road from Moktapoor via Goottoor to Bangalore	2070	
——— Do. Road from Gooty to Kurnool from ——— Do. Do. to Do. near Donnagherry	1510	
Discretionary allowance	10000	17256
Total "Communications"	198717	189855
Grand Total	354722	339200

Superintg Engineers Office
Camp Hospett
5th October 1866.

A. Mackay Major RE
Supdg Engineer 3 Division

Abstract

Main Heads	Imperial	Local	Total.
Military	157,332.	"	157,332
Civil Buildings	59,120	"	59,120
Agricultural	29,800	"	29,800
Communications	65,000	"	65,000
	305,252	"	305,252.

Bellary District
Part II

63

Detail of Estimates for Original Works for 1867/68.

District	No.	Locality	Projects. Description	Amount of Estimate	Completed expenditure 31st March 1867.	Estimate 1867/68.	Remarks.
			Military				
Bellary	1	Bellary	One Regimental Workshop to be built in a convenient part of the Lines, to be one large Building, with Stores for Materials	25,000	-	25,000	No 1 Part II Budget 1866/67.
Do	2	Do	Ten New Wash Houses for the Regiment	32,000	15,000	17,000	No 2 Do Do
Do	3	Do	One Swimming Bath for men	6,000	-		No 4 Do Do
Do	4	Do	Two Do Do for Women	8,000	-		No 5 Do Do
Do	5	Do	One Musketry instruction Room	5,000	-		No 7 Do Do
Do	6	Do	Two day Rooms for Women	6,000	-		No 8 Do Do
Do	7	Do	Latrines for Native Troops	3480 3479	-		No 9 Do Do
Do	8	Do	Stabling for a Troop of Horse Artillery	38,092	-	38,092	G O No 2026 of 27th June 1866
Do	9	Do	Shed for Sick Carts with harness Pit attached to Arsenal at Bellary	4,455	-	4,455	G O No 2405 of 31st July 1866

District	No.	Locality	Projects Description	Amount of Estimate	Completed & in progress 31st March 1867.	Estimate 1867/68.	Remarks.
			Grant for Minor works the Estimated Cost of which does not exceed Rs 2,500 each			4,000	
			Total Civil Buildings & Roads			59120	
			Agricultural				
Bellary	21.	Goottoor	Restoring the Goottoor Tank	39,400	-	20,000	G.O. No. 3255 of 9th November 163.
— Do. —	22	Gerrabomanahully Tank	Do. Gerrabomanahully Tank	6,800	-	6,800	G.O. No. 2733 of 21st September 163.
			Grant for Minor Works the Estimated Cost of which does not Exceed Rs 2500 each			3000	
			Total Agricultural			29800	
			Communications				
— Do. —	23	Raidroog & Pumalondah	Road from Raidroog through Pumalondah to the Mysore frontier		-	20,000	Estimate under preparation as called for in G.A. No. 1981 of 9th July 1864.
— Do. —	24	Anantapoor and Tandpurty	Road from Anantapoor to Tandpurty Railway Station	42,600 39,770	- -	20,000 20,000	G.O. No. 3435 of 1st December 1864. G.O. No. 3424 of 30th Nov. 1864.
— Do. —	25	Anantapoor	Road from Anantapoor to Cuddapah frontier			5,000	
			Grant for Minor Works the Estimated Cost of which does not exceed Rs 2500 each			5000	
			Total Communications				

A. Abbey Major R.E.
Supdg. Engineer 3rd Division

65

From

The Supdg. Engr.
3d Division

To

The Secry. to Govt.
P.W.D.

Dated 5th October 1866.
Desp'd. 12th — do.
Recd.

Kurnool District
Part II
Detail of Estimate
for Original Works for 1867/68.

From 14 Dec/66 to 235

From

The Supdg. Engr.
3d Division

To

The Secry. to Govt.
P.W.D.

Dated 5th October 1866.
Desp'd: 12th — do.
Recd:

Bellary District
Part II
Detail of Estimate
for Original Works for
1867/68.

From 14 Dec/66 to 235

Cuddapa

Part

Detail of Estimate for Or

Projects.

District	No.	Locality	Description
			"Military"
			Nil.
Cuddapah		Cuddapah	Grant for Minor Works the Estimate Cost of which does not exceed Rs. 2500 each
			"Civil Buildings"
Cuddapah	1	Pulivendla	Taluq Cutcherry
Do.	2	Do Vollpand	Do Do
Do.	3	Do Jamalamadga	Do Do
			Grant for Minor Works, the Estimate Cost of which does not exceed Rs. 2500 each
			Total "Civil Buildings" Rupees
			"Agricultural"
Do.	4	Gurrupanapally	Restoring the Mullapah Tank
Do.	5	Someredypully	Do Someredypully Tank
Do.	6	[illegible]	Surplus Calingalah to Condoor River Channel
			Grant for Minor Works the Estimate Cost of which does not exceed Rupees 2500 each
			Total Agricultural
			"Communications"
Do	7	Royachoti, Vollpand and Roads Spully	Metalling the Road from Royachoti to Boogapoor including Bridge and Tunnels.
Do	8	Bellary Frontier	Constructing a Bridge of 3 Arches on the Road from Madanapally via Kadri to the Bellary Frontier
			Grant for Minor Works the Estimate Cost of which does not exceed Rupees 2500
			Total Communications

Sapog. Engineers Office
Camp. Hospett
5th October 1866.

Abstract

Main Heads	Imperial	Local	Total
Military	13,000		13,000
Civil Buildings	15,700		15,700
Agricultural	3,060		3,060
Communications	12,500		12,500
	44,200		44,200

Rec'd 18th Oct 1866

From

The Supg. Engr.
3d Division

To

The Secry. to Govt.
P.W.D.

Dated 5th October 1866.
Desp: 12th — Do.
Recd.

Kurnool District
Part II
Detail of Estimate
for Original Works for 1867/68

Item 14 - Dept 76 Ln 1235

From

The Supg. Engr.
3d Division

To

The Secry. to Govt.
P.W.D.

Dated 5th October 1866.
Desp: 12th — Do.
Recd:

Bellary District
Part II
Detail of Estimate
for Original Works for
1867/68.

Item 14 - Dept 76 Ln 1235

Kurnool District

Part II

Detail of Estimate for Original Works for 1867/68.

Division	No.	Locality	Description	Amount of Estimate	Expended & Expenditure 31st March 1867	Estimate 1867/68	Remarks.
			Military				
Kurnool	1	Kurnool	Rest House for European Troops	4,000.		4,000	G.O. No. 2436 of 2nd August 66.
Do	2	Billacul	Do. Do.	4,000		4,000	The Estimates are under preparation
			Grant for Minor Works the Estimate cost of which does not exceed Rs. 2500 each			5000	
			Total Military Rupees			13,000	
			Civil Buildings.				
Do	3	Koilgondla	Taluq Cutcherry	7,700		7,700	G.O. No. 3432 of 24th November 1863.
Do	4	Nundial	Do. Do.	15,000		6000	G.O. No. 3298 of 12th Nov. 65. Estimate under preparation
			Grant for Minor Works the Estimate Cost of which does not exceed Rs. 2500 each			2,000	
			Total Civil Buildings Rupees			15,700	
			Agricultural				
			Nil.				
			Grant for Minor Works the Estimate cost of which does not exceed Rupees 2500 each			3,000	
			Total agricultural				
			Communications			10,000.	G.O. No. 2898 of 7th October 1864
Do	5	Cumbum	Metalling Nundy Canama Grant	44,100.			
			Grant for Minor Works the Estimated cost of which does not exceed Rs. 2,500 each			2,500	
			Total Communications			12,500	

Supdg. Engineer 3rd Division

Camp Kurnool 5th October 66.

No 1 Pa

Detailed Estimate for original works

Projects

for District

for 1867/68.

Executive Division	No	Locality	Description	Amount of Estimate.	Contemplated Expenditure upto 31st March 1867.	Estimate 1867/68	Remarks or References.
			Local Funds				
			Communications				
3 or Western Range.	1	Sungum to Kaligherry.	Road from Sungum to Kaligherry	19,680	2943	3000.	Estimate forwarded to the Collector on the 30 June 1866 No 22 A. sanctioned in G.O. No 2958 dated 14 September 1866.
	2	Sungumeram to Nellore	Road from Sungumeram to Nellore & Podalakur with branch from latter place to Trunk Road No 6. West of Manubrole.	24190	15766	4000.	Sanctioned by Supt Engineer on 7 July 1863.
2 or Central Range	3	Allur to Tekapelly	Road from Allur to Tekapelly.	11440	2200	2000	Estimate forwarded to the Collector on the 19 September 1866. No 44.
3 or Western Range	4	Dorenal to Cooraghery	Road from Dorenal Road to Cooraghery.			500.	
			Minor Works not exceeding 2500 Rs each.			11500.	
			Total Local Funds			189634	
			Total Imperial and Local Fns.				

X This work will be executed under the supervision of the Revenue Authorities.

Superintending Engrs Office 2d Dn
Masulipatam
24 September 1866

Contd Vide Col 12 6

Supt Engineer 2d Dn

Detailed Estimate for Original works

Project.

Executive Division	No	Locality	Description	Amount of Estimate for Original Works	Amount of Estimate for Subsidiary Works	Total Amount of Estimate	Remarks or References
			Civil Buildings				
S.or Western Range	1	Attacheir	Taluq Catcherry at Attacheir	12280		5000	G.O. No 1794 of 21st June 1864.
N.or Nellore Range	2	Vr Kataghery	Sub Magistrates Catcherry at Vr Kataghery	4810		4810	Estimate is submitted to the Committee on Subdivisional Jails formed under G.O. No 470. dated 29th March 1866. Provincial Dep.
Nellore Divl	3	Nellore	Police Huts and Station-Houses			5000	
4.or Northern Range	4	Kaveripauk	Taluq Catcherry at Kaveripauk	11334		5000	G.O. No 1794 dated 21st June 1864,
3.or Western Range	5	Poondy	Do at Poondy	11425		5000	Do Do
Do	6	Repalle	Do at Repalle	11425		5000	Do Do
			Minor Works			2500	
			Total Civil Buildings			32310	
			Agricultural				
1st or Nellore Range	1	Nellore & Kistnapatam.	Excavating a Canal for Irrigation from Nellore to Kistnapatam.	59600	51088	8512	G.O. No 1631 of 20th August 1861. Budget of 1866/67 No 88.
Do	2	Nellore	Improving the Nellore Tank.	17100	13182	3918	Do No 2021 of 28th October 1857 Budget of 1866/67. No 96.
Do	3	Nellore	Connecting Durnapilly Channel with Jafer Saibi Channel	92630	88816	3814	G.O. Nos 360. 1071. & 2943 dated 17th February 1860. 29th June 1860 and 8th December 1862.
Do	4	Do	Improving the Embankment along the South Margin of the Pennair River at Nellore.	16400	11823	4577	G.O. No 2005. of 12th July 1864 Budget of 1866/67. No 99.
Do	5	Do	Improving & to Durnapilly Channel			15000	The Estimate will be submitted very shortly - the work is very desirable.
Do	6	Chennair	Channel from the River to Chennair Tank	13910	9647	4000	G.O. No 321 dated 29th February 1856, Budget of 1865/66 No 69.
			Minor Works			8000	
						47821	

Detailed Estimate for Original works Projected

No. Printed

For 1867/68.

Executive Division	No	Locality	Description	Amount Contained in Detailed Estimate. March 1867	Amount Submitted for Sanction 1867/68	Remarks or References
			Communications -			
2nd or Cuddalore Range -	1	Mussimiri	Constructing an embanked road and Masonry works across the Mussimiri Valley on Trunk Road No 6.	68,630	25000	G.O. No 1152 dated 22nd April 1864. Budget of 1866/67. No 116.
Do	2	Nellore to Ongole.	Masonry works on Trunk Road No 6. between 116th and 185th Miles.	102,350	5000	Do No 1405 of 12th August 1856 - and No 2286 of 9th August 1864
1st or Nellore Range	3	Arambakam to Nellore	Improving the portions of Trunk Road No 6. between 49th and 95th Miles.	43,714	5203	and Budget of 66/67 No 117. page 244 Do Nos 1182 698 of 1244 dated 26th June 1861. 7th April 1862 and 3rd June 1862 - Do 118.
			Nellore and Dorunal Road -	101,000	20000	Do Nos 328 & 1927 dated 8th February 1855 and 17th July 1863 - Do No 119 -
2nd or Cuddalore and 3rd or Western Range.	4.	Nellore to Cuddapah Frontier -				
			Trunk Road No 6 North of Nellore -	11800	11800	Estimate will be submitted shortly -
2nd or Cuddalore Range	5				4600	Do Do
1st or Nellore Range -	6	Vacaris	Constructing a Bridge of 3 arches across Tupali channel on the Digarapatam Road -	4600		
Do	7	Sabirpetta	Bridge of 9 arches of 30' span across Nalliganadi adjacent to Sabirpetta -	42,000	10,000	Do Do
Do	8.	Pettaikar -	Raising and protecting Road Embankment across the Kistnapatam Swamp to Kistnapatam -	7800	7,800.	Do Do
Do	9	Digarapatam	Road from Digarapatam to the Coast -	6300 3300	3000	G.O. No 1844 dated 24th June 1864 - Budget of 1866/67 No 121.
			Minor Works		5000	
			Total Communications		98,003	
			Total Improved Trunk Rd.		178,134	

Detailed Estimate for original works

Projects

for 1867/68.

Executive Division	No	Locality	Description	Amount of Estimate	Completed Expenditure upto 31st March 1867.	Estimate 1867/68	Remarks or References.
			Local Funds				
			Communications				
For Western Range.	1	Sungum to Kaligherry	Road from Sungum to Kaligherry	19,680	294.3	3000.	Estimate forwarded to the Collector on the 30 June 1866 No 22 A. sanctioned in P.O. No 2958 dated 14th September 1866.
	2	Sungumeram to Nellore	Road from Sungumeram to Nellore by Podalakur with branch from latter place to Trunk Road No 6. North of Manubrole.	24190	15766	4000. ×	
For Centre Range	3	Allur to Ichapilly	Road from Allur to Ichapilly.	11440	2200	2000	Sanctioned by Supt Engineer on 7th July 1863. Estimate forwarded to the Collector on the 19 September 1866. No 44.
For Western Range.	4	Dorcinalto Codrighery	Road from Dorcinal Road to Codrighery.			500.	
			Minor Works not exceeding 2500 Rupees.			11500.	
			Total Local Funds Works			189634	
			Total Imperial and Local Works.				

× This work to be executed under the Supervision of the Revenue Authorities.

Superintending Engineers Office
Masulipatam
24 September 1866

Lieut Colonel
Supt Engineer 2d Dn

From
The Chief Engineer
& Secretary to Govt
PWD

Dated 26 September 1867

Dispatched

Rec'd

P.P. 4913/67
Encls. Nos 1 to 234

Nellore District

Part II

Detailed Estimate
for Original Works
for 1867/68

Nellore District.

Memorandum shewing the Maintenance grants included in the Budget of 1867/68.

Station or Locality	Items	Amount	Remarks.
		42	
	Imperial.		
1st or Nellore Range.	Trunk Road No 6. from Kovur to Arambakam	16642	G.O. No 2729 of 18th December 1858
Do.	Do from Penangauny backwater to 36th Mile stone	1104	G.O. No 2283 of 11th December 1861.
2d or Centre and 4th or Northern Ranges.	Trunk Road No 6. from Kovur to Ongole	7360	G.O. No 2483 of 17th November 1858.
4th or Northern Range.	Trunk Road No 7. from Moogeraka River to Koppersapad.	2672	G.O. No 620 of 3rd April 1857
Do.	Road from Ongole to Kumbham.	3920	Do Do
Do.	do do to Kottapatam	1080	G.O. No 2224 of 3rd August 1861.
1st or Nellore 2d or Centre and 3d or Western Ranges.	Road from Doveral pass to Kottapatam.	5360	G.O. No 723 of 25th October 1855 & 1860
1st or Nellore and 3d or Western Ranges.	Road from the foot of Rapur Ghaut to Gudur.	2790	G.O. No 288 of 28th February 1856.
Nellore Range.	Road from Gudur to Durgarazupatam.	1440	G.O. No 1785 of 1st June 1866.
	Total Imperial.	42368	
	Local Funds.		
1st or Nellore Range.	Travelling the crown of the Pelmair Anicut.	800	G.O. No 2404 of 13th November 1861.
	Brought over.		

Brought Over	800
Total Local Funds	800.

Supd Engrs Office 2d Z
Masulipatam
24th September
1866

Commanding Engrs
Supd Engineer 2d Z

Letter No 44.

From the Superintending Engineer
2d Division

To the Secretary to Govt
P.W.D.

Dated 24 September 1866
Despd 25 " Do
Recd Do

No 4918/66
From " Do 768 & 1234

Nellore District.

Memorandum showing the Maintenance Grants included in the Budget of 1867/68 Part III.

Nellore District
Part III

44

Detail of Estimate for Repairs for 1867/68

			Estimate 1867/68 Amount	Estimate 1866/67. Total Amount
	Civil Buildings			
Nellore District	Repairs to Old Pairs		5000	
	" to Revenue Buildings			
	" to Receiving 2500 Rheads		2200	
	" to Police Stations		800	
		Total	7700	" 8000
	Agricultural			
Pennair Anicut	Repairs		2100	
Gundaveroo Pull	Clearing and Repairing		3350	
Channel	Do Do		3000	
Durvier Channel	Revetting the Banks		2750	
Allur Tank	Repairs		2000.	
Attmakur Tank	Minor Repairs below 2500 Rheads		20000	
		Total	33100	" 40800
	Communications			
Trunk Road No 6 from Kovur to Arumbakum	Repairs &c to Metalling		16642	16642
Do from Buckingham Canal to 362 Mile stone	Do Do		1104	1104
Do from Kovur to Pajole	Do Do		7360	7360
			25106	25106
Trunk Road No 7 from Mudegoondam River to Hoffpore	Do Do		2672	2672
		Carried over	27778	27778

			Estimate 1867/68 Amount	Total	Estimate 1866/67. Amount	Total.
		Brought over.		27778		27778
Road from Ongole to Kunkam.	Repairs &c & Metalling		3920		3920	
Do. from Do to Nellapatam	—— Do ——	Do. ——	1080		1080	
		——		5000	——	5000
Do. from Dorunal pass to Nellapatam.	—— Do ——	Do. ——		6360		5360
Foot of Ghat to Ghat	—— Do ——	Do. ——		3100		3100
	Minor Repairs &c exceeding 2500 Rs each.			2700		2888
	Travellers Bungalow.			704		704
	Total			44642		44830
	Miscellaneous Expenses.			"		"
	Total Imperial Funds.			85642		93630
	Local Funds. Communications.					
Nellore	Minor Repairs &c exceeding 2500 Rs each.			2020		1800
	Total Imperial & Local Funds			87662		95430

Supt Engineers Office Dr
Masulipatam
24 September 1866

Commissioner Land Affairs
Supt Engineer Dr

No 46.

From the Supt Engineer
2d Division

To the Secretary to Govt
P.W.D.

Dated 24th September 866,
Rec'd 25th do

Rec'd " Jr 49/8/66
From 11th Part/66 Ld 234.
Nellore District.

Part III

Detailed Estimate
for Repairs for
1867/68.

46

Nellore District.
Part III
Detail of Estimate for Repairs for 1867/68.

			Estimate 1867/68. Amount	Estimate 1866/67 Total Amount Total.
		Military.		
Masulipatam		Minor Repairs not exceeding 2500 Rs each	200	
Do		Maintenance of Communt Road -	341	
		Total Military	541	1841
		Civil Buildings.		
Masulipatam		Minor Repairs to Revenue & Civil Buildings	3000	
Guntur.		Do do do	500	
Kistna Dist		Do to Sessions	1500	
Do		Do to Police Stations	200.	
			5200	
		Total Civil Buildings	5200	8000
		Agricultural		
Kistna Amint Masulipatam Canal.		Repairs	15000	
		Repairs to banks.	4000	
		Clearance of beds.	16000	
		Repairs to branches	8000	
		" to Locks & Calingulets	600	
			28600	
Ellore Canal.		Repairs to banks.	2000	
		Clearance of beds.	5000	
			7000	
Nozanpatam Canal.		Repairs to banks	1000	
		Clearance of beds	4000	
		Repairs to Branches	3000	
		Repairs to Locks & Calingulets	1500	
			9500	
		Carried Over.	60,000	

		Estimate 1867/68 Amount	Total	Estimate 1866/67 Amount	Total
	Brought Over		60,000		9841.
Western Bank Channel	Repairs to Banks	1000			
	Clearance of beds	1000			
	Repairs to Branches	2000			
	Repairs to Calingalabs	500			
			4,500		
Commamoor Channel.	Repairs to Banks	2000			
	Do to Branches.	3000			
	Do to Masonry Works	1000			
			6,000		
Pynes Channel	Repairs to Banks	500			
	Clearance of beds.	1000			
	Repairs to Branches	2000			
	Do to Sluices.	500			
			4,000		
Pullaiur	Repairs of Banks	5,000			
	Do to Branches	10,000			
	Do to Masonry Works	2000			
			17,000		
Tanks.	Repairs to Tanks Banks &c in the Mondellaic portion of the District -		6000		
	Total Agricultural		97,500		43,000

Communications

Agraharam Road from Manali Vetaun to Sg. Road.	Repairs &c to Metalling	5820		
Road from Repairs to Pynes Channel Bridge from Kottiwaram to Ponneri -	Do Do	10035		
	Do Do	3900		
	Carried over -	19756		

		Estimate 1867/68 Amount	Total	Estimate 1866/67 Amount	Total
	Brought Over	19755			47
	Minor Repairs not exceeding 2500 Rs each.	8855.			
	Repairs to Travellers Bungalows.	700			
	Total Communications.	29310		29310	
	Miscellaneous Improvements. Minor Repairs not exceeding 2500 Rs each.	500		500.	
	Total Imperial Funds -	133051		152,651	

Local Funds.

Communications.

Minor Repairs to Roads not exceeding 2500 Rs each -	18650.		
Do to Ferry Boats	1000		
	19,650		16467
Total Local Funds.	19,650		16467
Total Imperial and Local Funds	152701		169,118

Sub Engrs Office 2 Dist
Arcot Parcand -
24 September 1866

Geo. F. Simson Lieut Colle
Supt Engineer 2 Dist

From The Supt. Engineer
& Inspector

To The Secretary to Govt.
P.W.D.

Dated 24th October 1866.
Recd 25th Do
Read

No 3764/613
From 11th Dec. 1866 to 23rd
Review Statement
Part III

Detailed Estimate
for Repairs for
1867/68.

Kistna District -

Part II

For 1867/68

Detailed Estimate of Original Works

Project

Number of Project to accord with Register	Description	Amount of Estimate	Computed Expenditure to 31st March 1867	Estimate 1867/68	Remarks or References
	Imperial				
	Civil Buildings				
Nairy.	1 Masulipatam	Jail.	9150	3000	4150	G.O. No 2127 dated 6th July 1866.
4th or Reliad Range	2 Datchapilly	Jail, Cutcherry &c Datchapilly	10600	"	5000	G.O. No 364 dated 8th February 1865 and G.O. No 226 dated 30th July 1866
7th or Masulipatam Range	3 Bantumilly	Improving Salt Flat Tosmo at Bantumilly -	11000	3800 8027	1500	G.O. No 2506 dated 31st August 1863 Budget of 1866/67 No 41.
Kistna Dist	4 "	Police Stations and Huts.	"	"	4650.	
		Minor Works			1000	
		Total Civil Buildings -			16300	
	Agricultural				
6th or Bezwada Range		Improvements to Channels in the Masulipatam Section of Kistna Delta.				
Do.	2 Bezwada	Enlarging head of Masulipatam Main Canal.	172830	"	20000	G.O. No 747 dated 17th March 1865. This work is most urgently required. As the demand for water is exceeding the supply. Estimate will be submitted shortly. G.O. No 3395 dated 24th October 1866
Do Reduced or Masulipatam Range	3 Kunchikacherla & Ankinamini	Excavating a Channel on the West side of Masulipatam Canal from 13th Mile to Ankinamini -	14860	"	30000	G.O. No 331 dated 17th Feb 1865
7th or Masulipatam Range	4 Pallamari & Ankinamini	Do Do on the East side of Do from Pallamari at Pallamari & Ankinamini.	15610	"	9000	Do Do Do
1st or Repilly Range.	5 Duggerallu & Chiguntapalem.	Side Channels from Duggerallu to Chiguntapalem		"	15000	Do Do
2nd or Bapatla Range	6 Duggerallu & Kolluru & Inungur -	Extending the Communication Channel and Subsidiary Works.	185460	513 67 25 00 763 176367	20000	G.O. No 3699 dated 15th December 1863 Budget of 1866/67 No 82
7th or Masulipatam Range	7 Bantumilly	Widening the lower portion of the Pallamari Channel.	104050	95481	8569	G.O. No 3581 dated 27th November 1865 Budget of 1866/67 No 84.
				829 61	117569	

Carried over.

Virudhunagar District.

Part II

Detailed Estimate of Original Works for 1867/68

Project

Accounts Division No	Locality	Description	Amount of Estimate.	Computed Excavation up to 31st March 1867	Estimate 1867/68.	Remarks or References.
		Brought Over.				50
2nd or Pasalis Range	8	Ramandrapad Channel from Vellachapuram to Kolumatrapatti Tank on Western Bank	139700	95500	117569	G.O. Nos 1405 and 3232 dated 12th August 1856 and 6th December 1863. Budget of 1866/67. No 83.
			6779	11417		
			146479	124750	19000	
1st or Pasalis and 6th or Seconded Range	9	Vellangram Clearing, deepening, and widening the banks of Main Channel from the Southern Flank of the Ancient and Enlarging the head of Main Channel from Vellangram to Duggerallai.	1144	153819		G.O. Nos 2358, 2382, 1376, 686 and 2400 dated 18th December 1856. 24th December 1861, 17th June 1862, 7th March 1865, and 30th July 1866. Budget of 1866/67. No 85.
			209800	111120		
			7870	1688		
			3640	168239	19000	
			19300			
			19590			
			8430			
			6680			
			276404			
1st or Pasalis Range	10	Duggerallai Constructing 2nd Class Sluice at Duggerallai to connect the Nizampatam Canal and Common Main Channel	27800	5279		
				11296		
				16575	11225	G.O. No 3381 dated 19th November 1863. Budget of 1866/67. No 87.
2nd or Pasalis Range	11	Jagavalamidy Constructing a Second Class Sluice at Jagavalamidy.			5000	Estimate will be submitted shortly.
1st or Pasalis Range	12	Vellatur Excavating a Drainage Channel to dispose of 4 drainages which at present run into Vellatur Channel and restore its means of Irrigation	10460		8000	G.O. No 2590 dated 27th August 1866.
2nd or Pasalis Range	13	Pompani Drainage Channel from outlet across Pompani Swamp			5000	Estimate will be submitted shortly.
1st or Pasalis Range	14	Pasalis Cheri to Nizampatam	240457	28931875		G.O. Nos 220, 2009, 1882, 986, 50, and 2400, dated 20th February 1854, 30 October 1866, 5th October 1861, 11th May 1860, and 9th January 1863 and 30 July 1866. Budget of 1866/67. No 86.
		Repairing & Widening Nizampatam or Nizampatam Canal.	11250	292815	2000	
			34600			
			3907			
			4601			
			294815			
		Minor Works			8000	
		Total Agricultural			194794	

Detailed Estimate of Rejmiab Works

Project

Virtual Portion II District

for 1867/68

Executive Division	No	Locality	Description	Amount Completed of Estimate	Estimate for Executive to 31st March 1867	Estimate 1867/68	Remarks or References.
			Communications.				51
3 or Cuddapah Range 6 or Bezwada Range.	1	Guntur and Seetanagram.	Trunk Road No 6. from Guntur to Seetanagram.	26077	25077	1000.	G.O. No 1179 dated 9th May 1863. Budget of 1866/67 No 114.
	2.	Kasarapilly	Constructing a Bridge across the Eluru High Level Canal at Kasarapilly.	8180	"	4000.	G.O. No 8613 of 29th December 1865.
Do	3	Perkeid	Do Do at Perkeid.	8180	"	4000.	G.O. No 296 dated 25th January 1866.
Do	4	Angalli	Do a road dam of 100 yards in length on the Road between Angallii and Pullagunta.	2760	"	2760.	G.O. No 332 dated 29th January 1866.
			Minor Works			2500	
			Total Communications.			14,260	
7 or Masulipatam Range.	1	Masulipatam.	Miscellaneous Improvements. Extension of Aqueducts for the Krishna water within the town and Cantonment of Masulipatam Part III	18650	6000	12650	G.O. No 1781 of 16th June 1866.
			Minor Works.			"	
			Total Miscellaneous Improvements.			12650	
			Total Imperial Funds			238004	

Vizagapatam District.

Part II

Detailed Estimate of Original Works for 1867/68

Executive Division	No	Locality	Description of Project	Amount of Estimate	Corrected Estimate for 1867/68 to 31st March 1867	Remarks or Reference.
			Local Funds.			
			Communications.			
4th or Palkonda Range	1	Gumtiri to Sultanapilly.	Road from Gumtiri to Sultanapilly.	50,000	6000	Estimate under preparation & will be submitted shortly
Do	2	Narasannapeta.	Road from Chinna Palakaluri to Narasannapeta.	10,000	4000	Do Do
7th or Mosurlapatam Range	3	Mosurlapatam to Cowtaram.	Road from Mosurlapatam to Cowtaram.	10,000	5000	Do Do
Do	4	Gudenada	Road from Cowtaram to Gudenada.	5,000	× 2500	Do Do
Do	5	Challapilly	Road from Challapilly to Mosledanty.	5,000	× 2000	Do Do
Do	6	Do	Do Do to Jakkuvini	Do	× 2000	Do Do
Do	7	Vadaddy.	Road from Vadaddy to Ky Kalur.	5,000	3000	Do Do
4th or Palkonda Range	8	Karampilly	Road from Vunnacondapeta to Karampilly	5,000	× 3000	Do Do
5th or Nundapam Range	9	Bezzarah to Vissannapetta.	Road from Bezzarah to Vissannapetta and the frontier	10,000	8000	Do Do
2nd or Bapatlah Range	10	Bapatlah	Road from Ponnuru to Bapatlah	15,000	2000	Do Do 1461 Rs 43.
8th or Repilly Range	11	Valagiri to Vandole.	Road from Valagiri to Vandole	3520	2000	Do Do
3rd or Gumtiri Range	12	Gumtiri to Emmanuelty	Road from Gumtiri to Emmanuelty	10,000	4000	Do Do
Do and pt or Repilly Range	13	Ky Kalur	Do from Do to Ky Kalur	10,000	4000	Do Do
4th or Palkonda Range	14	Dalchapilly	Do from Dalchapilly to Goyapilly	10,530	6000	Estimate forwarded to the Collector of Kurnool on the ~~10th October~~ 18th September 1866. No 91.
			Minor Works.		5000	
			Total Communications		58,500	

× These works are proposed to be executed under the Supervision of the Revenue Authorities

Kistnah District.
Part II
for 1867/68

Detailed Estimate of Original Works

Project

Executive Division	No	Locality	Description	Amount Computed Estimate of Expenditure to 31st March 1867	Estimate 1867/68	Remarks or Reference.
			Miscellaneous Improvements.			
For Masulipatam	1	Vem Kapilly & Manickpatam	Excavating a Drainage Channel from Vem Kapilly to Sea & Cross ran ran ran	200 3460 8870 20740 12350 60620	5058 20000	G.O. No 1502 dated 22 June 1865
			Total Miscellaneous Improvements.		20000	
			Total Local Funds		78500.	
			Total Imperial & Local Funds.		316504.	

Supt Engineer's Office 2nd Dy
Masulipatam
24th September 1866

Geo. F. Imicom Lieut Colonel R.E.
Supt Engineer 2nd Dy

From The Supt Engineer
2d Division

B Genl

regarding allowances &c
have been promptly
attended to and sala
duly settled. The
cheque received in time
year, which shews that
You must have been
at work till late in the
Evening. I am with best wishes
Yours very sincerely
J. Francis

Superintending Engr's Office 4th Div.
Vellore 10th October 1866.

No. 2591.

From
Colonel A. J. M. Boileau R.E.
Superintending Engineer 4th Division

To
Colonel C. A. Orr R.E.
Secretary to Government P.W.D.

Sir,

I have the honor to forward my Budget Lists, Parts II, and III, for the ensuing year 1867/68, which have been prepared in accordance with the instructions contained in G. O. No. 2919, dated 4th October 1865.

2. Part IV shewing the probable cost of establishments during the year 1867/68 has been sent to the Controller Public Works Accounts, and Part V Detail of Estimate for Tools and Plant has been forwarded to the Officer in charge of the Store Department.

I have the honor to be
Sir
Your Most Obedient Servant
A Boileau Col. R.E.
Supt Engr 4th Div.

Budget Lists Parts II & III

236

Dated 10th October 1866
Received 15th Ditto
No. 2591.

Superintending Engr's
4th Division
Vellore

Subject Budget Lists Parts II & III
and IV for the Year
during 1867/68.

To the Secretary
to Government
P.W.D.

From the Superintending Engineer
4th Division

Sir,

I have the honor to forward my Budget Lists, Parts II, and III, for the ensuing year 1867/68, which have been prepared in accordance with the instructions contained in G. O. No. 2919, dated 4th October 1865.

2. Part IV shewing the probable cost of establishments during the year 1867/68 has been sent to the Controller Public Works Accounts, and Part V Detail of Estimate for Tools and Plant has been forwarded to the Officer in charge of the Store Department.

I have the honor to be
Sir
Your Most Obedient Servant
A Boileau Col. R.E.
Supt Engr 4th Div.

1676

Abstract

Main Heads	Imperial	Local	Total
Military	13,000		13,000
Civil Buildings	15,700		15,700
Agricultural	3,000		3,000
Communications	12,500		12,500
	44,200		44,200

Cudd

Detail of Estimate for

Distrct	Locality	Projects Descriptions
		"Military"
Cuddapah	Cuddapah	Grant for Minor Works the Estimate Cost of which does not Exceed Rs 2500 each
		"Civil Buildings"
Cuddapah	Pulivendla	Taluq Cutchery
Do.	2 Pt Vollpand	Do. Do.
Do.	3 Pt Samalamadgu	Do. Do.
		Grant for Minor Works, the Estimate Cost of which does not exceed Rs 2500 each
		Total "Civil Buildings" Rupees
		"Agricultural"
Do.	4 Gungunapalle	Restoring the Mullapah Tank
Do.	5 Someredypully	Do Someredypully Tank
Do.	6	Surplus Calingalah to Condoor River Channel
		Grant for Minor Works the Estimate cost of which does not exceed Rupees 2500 each
		Total Agricultural
		"Communications"
Do	7 Royachoti, Vollpand and Madanapally	Metalling the Road from Royachoti to Bongamon including Bridges and Culverts.
Do	8 Billajicotta	Constructing a Bridge of 3 Arches on the Road from Madanapally via Kadri to the Bellary Frontier
		Grant for Minor Works the Estimate cost of which does not exceed Rupees 2500
		Total Communications

Sapper Engineers Office
Camp. Hoospett
5th October 1866.

No 120.

Superintending Engineer's Office 5th Div.
Salem 15th October 1866.

From

The Superintending Engineer,
5th Division,

To

The Secretary to Government,
Department of Public Works.

Sir,

I have the honor to forward the Budget statements of the South Arcot District for the year 1867/68, accompanied by a sketch map showing the sites of the most important works.

I have the honor to be
Sir,
Your most obedient servant.
Ellis Lieutt-Col. R.E.
Superintending Engineer, 5th Division

Enclosures 3.
Budget
Statement of
Works.
Sketch.

Abstract

Main Heads	Imperial	Local	Total
Military	5000	.	5000
Civil Buildings	24,800	.	24,800
Agricultural	19980	.	19980
Communications	34720	.	34720
	84510	.	84,

Public Works Office
Fort St George 31st December 1866

To
The Superintending Engineer
5th Division

Sir,

I am directed to acknowledge the receipt of your letter No 120 dated 15th October 1866 and to request that you will submit the Budget Estimate for the Public Works in your Division for the year 1867/68.

I am
Sir,
Your obedient servant
Secretary to Government

Public Works Department
Fort St George 31st December 1866

To
The Superintending Engineer
5th Division

Sir,

I am directed to acknowledge the receipt of your letter No 120 dated 15th October 1866 and to request that you will submit the Budget Estimate for the Public Works in your Division for the year 1867/68.

I am
Sir,
Your obedient servant
Secretary to Government

Public Works Department
Fort St George 31st December 1866

287

39-39-1866

5th Division, D.P.W.

South Arcot.

From

The Superintg. Engineer

5th Division

To The Secretary to Gov

D. P. W.

Dated 5th } October 1867.
Rec'd }

Memo to accompany the

Original Budget for P. W.

Works 1867-68.

Rec'd 14th Oct 1867 Ex 23/

The Superintending Engineer
5th Division

The Secretary to Governme
Department of Public W
Dated 15th }
Received 5th } October 186

No. 120.

Enclosures 2 Pars

Forwarding the Budget
Estimate of the South
Arcot District for the
Year 1867-68.

237.

P. W. Proceedings, 38 to 39, 14th Dec 1867

5th Division D.P.W.

Statement shewing the description of Works below 2500 Rs each under the Head Communications.

Range.	Name of Roads.	Estimate 1867-68.	Amount of Estimate	Remarks & References.
1st	Repairs & renewals to metalling of roads at Cuddalore	360	360	17th November 1841
	Clearing and Earthwork to the passage from Cuddalore Custom House to the Sea	960	960	16th January 1858 No 85.
	Repairs and renewals to metalling and earthwork to Salt Roads Tegavelly & Gundalum	450	450	28th October 1854.
	Planting of Nurseries &c	98	98	
		1868	1868	
2nd	Repairs and renewals to metalling of road from Chunampet Salt Pans to Alathoor	475	500	G. O. No 1639 dated 14 June 1865.
	Repairing the road round Merkanam Salt platform from Candadoo to Thembakum bridge	500		G. O. No 3011 dated 19th September 66
	Planting Nurseries &c	98	98	
		2941	2466	* This is to be reduced on account of Petty Establishment &c.
3rd	Planting of Nurseries &c	98	98	
		3039	2564	
4th	Repairs to Canal Locks &c	1900	1900	
	Planting Nurseries &c	98	98	
	Total Communications	5037	4562	
	Miscellaneous Public Imprts.			
1st	Repairs to Flag Staff at Cuddalore Custom House	70	70	
4th	do do at Porto Novo do.	70	70	
	Total Miscellaneous P.W.	140	140	

Supdg Engineers Office
Salem 6th October 1866

Collector

Lieut Colonel R. E
Superintdg Engineer 5th Division

South 5th

No

Detail of Estimate

Division. D.P.W.

Arcot.

II

for Original Works for 1867-68.

Executive Division.	No	Locality	Description of Projects.	Amount of Estimate.	Expenditure to 31st March 1867.	Estimate 1867-68.	Remarks or References.
			Military.				
			None.				
			Civil Buildings.				
II Range	1	Mu Kanum & Candadoo	Gravelling and Turfing the Maramum and Candadoo Salt platforms	4,500	"	4,500	G.O. No 3224 dated 5th November 1863.
IV. d.	2	Porto Novo	Constructing Store Godowns opposite the Sea Custom House	12,620	"	6,000	Plan & Estimate submitted to Govt. see Cir. vide G.O. No 21
I d.	3	Cuddalore	Altering and Improving the Jail at Cuddalore.	6,562	"	6,562	Estimates called for in G.O. No 1855 are under preparation.
			Grant for Minor Works the estimated cost of which does not exceed Rs 2,500 each.				
I d.	"		d. d.	"	"	350	
II d.	"		d. d.	"	"	100	
III d.	"		d. d.	"	"	100	
IV d.	"		d. d.	"	"	100	
			Total Civil Buildings			17,712	

Projects.

Executive Division	No.	Locality	Description.	Amount of Estimate.	Computed expenditure to 31st March 1867	Estimate 1867-68.	Remarks & References.
			Agricultural.				
III Range	4	Kallakurichi	Constructing an Anaikat across the Manimuthanuddy and Head Sluice for the supply of Kallakurichi tank	4,000	3,300	700	G.O. No 3845 dated 21st December 1865
I d.	5	Cuddalore	Extending the Covered Kalingulah in the South bank of Pumal Tank	3,500	3,150	350	G.O. No 1688, dated 28th May 1866.
I d.	6	Villupuram	Altering the Vieravandy Anaikat and Channel	5,978	2,054	1,932	G.O. No 2464 dated 6th August 1866.
IV d.	7	Comarangalum	Constructing an Anaikat across the Manimuthanuddy river near Vidachellum	34,750	"	10,000	G.O. No 199 dated 19th January 1864.
I & III d.	8	Villupuram & Elavanasum	Cutting the Pombey Channel from the North end of Pomian Anaikat to supply a portion of Villupuram Tallug:	45,700	"	20,000	G.O. No 2,103 dated 21 July 1864.
III d.	9	Do d.	Improving the supply Channel from the Ragavien channel for the Poodoo-palyen Tank & re-opening the old Amoor Channel	Do do	"	6,000	Survey & Estimate under preparation
I	"		Grant for Minor New Works.		"	1,200	
II	"		——— d. ——— d. ———		"	1,600	
III	"		——— d. ——— d. ———		"	1,600	
IV	"		——— d. ——— d. ———		"	1,600	
					Total Agricultural		44,982

Executive Division	N°	Locality	Projects Description.	Amount of Estimate.	Computed expenditure to 31 March 1867.	Estimate 1867-68.	Remarks & References.
			Communications.				
I & IV	10		Metalling and Gravelling 16 Miles of Trunk Road N° IX between Sapanapet & the Coleroon rivers	✓ 24,900	13899	11001	G. O. N° 2818 dated 16th Dumber 1856
III	11		Forming a roadway and Embankment on the bed of the Mullatour in the 107th & 108th Miles of Trunk Road N° VIII & Constg a bridge	✓ 5030	✓ 1950	3080	G. O. N° 3819 dated 20th Dumber 1865.
III	12		Constg Bridges on the road from Kallakurichi to the Salem Frontier	✓ 17,310	3380	4000	G. O N° 3795 dated 18th Dumber 1865.
I	13		Constructing three bridges of one Vent of 12 feet Span on the road from Cuddalore to Chellumbrum	✓ 3135	940	2195	G. O. N° 1617 dated 21st May 1866
I	14		Constructing a bridge of 3 Arches of 30 feet Span across the Thumbepillah Oday	✓ 5900	5122	778	G. O. N° 1790 dated 28th June 1865.
IV	15		Constructing the Bridge over the Vellaur near Bovanghiri	✓ 35020	"	10,000	G. O. N° 1405 dated 12 August 1856
II	16		Making a road from Pondicherry to Merkanum	49,000	"	20000	Survey & Estimate will be submitted shortly
I	17		Metalling the sandy road from 11 to 15th miles towards Cuddalore to Chellumbrum	DO 4800	"	4800	Estimate will be submitted shortly
I	18		Remetalling the road from Cuddalore to Trunk Road N° 6 to Trunk Road N° 8	DO 15,000	"	5000	Estimate will be submitted shortly
						60,854	

Carried over &

Executive Division.	No.	Locality.	Projects. Description.	Amount of Estimate.	Computed Expenditure to 31st March 1867.	Estimate 1867-68.	Remarks & References.
			Communications continued			60,857	
			Brought forward				
			Salt Roads.				
I	Range	19	Metalling the 1st 2 Miles of the road from Koollen's Chowltry to Tagavelly Salt pans	3,150		3,150	Estimates called for in G. O. No 1439 dated 4th May 1866, have been submitted to the Collector.
I	"	20	Const. tunnels, forming & Metalling the road from Chellumbrum road from its junction with Koollen's Chowltry road to Camblimoodoo & Manavery Platforms	2,810		2,810	do do
II	"	21	Completing the road round the Merkanum Platforms from the Camdadoo bridge to Thenbakum	3,260		3,260	do do
II	"	22	Making a new road from Thenbakum to Chunampet pans	3,530		3,530	do do
II	"	23	Completing the road from Candadoo bridge through the Merkanum Village to join the road near the Polygenal	2,500		2,500	do do
			Grant for Minor works, the estimated cost of which does not exceed Rs 2500 ea			810	
			Total Communicty			76,914	

Abstract of the Grants proposed for all Original Works to be disbursed by Public Works Department.

Main Heads.	Imperial	Local	Total.
Military	"	"	"
Civil Buildings	17,712	"	17,712
Agricultural	44,982	"	44,982
Communications	76,914	"	76,914
Miscellaneous Public Improvements		"	
	139,608	"	139,608



	Estimate 1867-68. Amount	Total	Estimate 1866/67 Amount	Total
Communications continued				
Brought forward	62,595		61,495	
Minor Repairs to Roads &c	5,062		4,562	
——do——do to Travellers Bungalows	704		704	
Total Communications	68,364		66,761	
Miscellaneous Pub. Imprvments.				
Minor Repairs to Flag Staffs	120		120	
Special Repairs	20	140	20	140
Total Miscellaneous P. Improvements		140		140

Superintending Engineer's Office
5th Division, Salem 6th October 1866.

Chas Lilleade
Collector Land Revt

Ed. Ford Lieut Col R.E
Superintending Engineer 5th Divn

5th Division D.P.W.

South Accott.

From
The Superintg Engineer
5th Division

To
The Secretary to Govt
D.P.W.

Dated 6th Oct.
Recvd

Imperial Finl
Budget for 1867-68

Progress Budget Estimate

Superintg Engrs Office 5th Division
No 125. Salem 19th October 1866.

From,
The Superintending Engineer
5th Division

To,
The Secretary to Government
D.P.W.

Sir,

I have the honor to forward
Enclosures 3 the Budget Statement of the Salem District
1 Budget. for the official year 1867-68 accompanied
1 Memo. by a sketch map showing the sites of the
1 Sketch map. principal works.

I have the honor to be
Sir,
Your most obt. Servt.

E A Ford Lt. Col. R.E.
Superintg. Engineer.

28

P. D. 1266 Copied.
R. 9th December

From No 4917.
The Supg. Engineer
5th Division.

To The Secretary to Govt.
D. P. W.

Dated 19th October 1867
Recd 5th Do

No 125.
Enclosures No 2

Forwarding the
Budget Statement of
the Salem District
for the years 1867-68.

Encs. 30, 38 & 39, 39-11 Nos

238

Memo: Shewing the description of Works below Rs: 2500 each under the head Communications

Range	Names of Roads	Estimate 1867-68	Amount of Estimate	Remarks & References
Salem Range	Repairs and renewals to metalling of 8 miles of road from Harrur to Morapur	800	"	This maintenance allowance is much required
	Repairs and renewals to metalling of 5 miles of road from Otangiri to Shamalpatti	500	"	Do. Do.
	Repairs and renewals to metalling of Yerkad & Salem cattle ghat ow the Shevaroy Hills Rs 1,20 and additional Rs 180.	1140	600	16th January 1850 No 70 & 30th November 1862 No 2730. This increase is much required to keep the Ghat in order during subsequent years with the ordinary grant of 100 Rs a mile
	Repairs and renewals to metalling of 4 1/10 miles of road from Yerkad to Nagalore at 100 Rs	410	410	23rd December 1864 No 3688.
	Do Do of 12 miles of road from Taylors saddle to Shevaroy Hills Railway Station with branch line to Nagalore Commonly called Hunters ghat at 100 Rs per mile	1,140	1,200	Do.
	Repairs and renewals to metalling of 11 miles of road between Salem and Senkagiri Drug at 50 Rs per mile.	523	550	Do.
	Repairs and renewals to metalling of 9 miles of road from Salem to Omalore at 100 Rs per mile	855	855	Do.
	Repairs and renewals to metalling of 2 1/2 miles of road between Town and Railway Station at Salem at 300 Rs per mile	1,027	1,080	19th Decr 1860 No 2606 & 5th March 1864 No 666.
	Repairs and renewals to metalling of 16 miles of road between Darampuri and Morapur at 75 Rs per mile	1,140	1,170	16th December 1863 No 3713.
	Repairs and renewals to metalling of 11 3/8 miles of road of Ahtur ghat at 75 Rs per mile	811	853	5th August 1864 No 2,242.
	Repairs and renewals to metalling of Petty roads	1,000	1,000	22nd October 1853 No 390.
	Repairs to Staging Bangalows	300	300	
		9,646	8,018	
Ussur Range.	Repairs and renewals to metalling of Petty Roads	500	500	22nd October 1853 No 390.
	Repairs to Staging Bangalows	200	200	
		10,346	8,718	
Ahtur Range	Repairs and renewals to metalling of 10 miles of road from Salem to Senkagiri Drug at 50 Rs per mile	570	578	
	Carried forward	10,916	9,296	

Ranges	Names of Roads	Estimate 1867-68	Amount of Estimate	Remarks & References
	Brought forward	10,916	9,296	
Ahtur Range	Repairs and renewals to metalling of 11 miles of road from Moganur to Namakkal at 100 Rs per mile	1,100	1,100	25th January 1865 No 234
	Repairs and renewals to metalling of 10 miles of road from Moganur to Veylore (Yadiar 1 mile) at 100 Rs per mile	1,000	1,000	Do
	Repairs and renewals to metalling of 12 miles of road from Veylore to Jaderpoliem (Kodemody 2½ miles) at 100 Rs per mile	1,200	1,200	Do
	Repairs and renewals to metalling of 11 miles of road from Namakkal to Veylore at 100 Rs per mile	1,100	1,100	Do
	Repairs and renewals to metalling of 11½ miles of road from Jaderpoliem to Chittaradalandoor at 100 Rs per mile	1,110	1110	Do
	Repairs and renewals to metalling of 8 miles of road from Poothur to Miniampally at 100 Rs per mile	800	800	Do
	Repairs and renewals to metalling of 16 miles of road from Kowaramangalum to Andalore at 100 Rs per mile	1,540	1,540	Do
	Repairs and renewals to metalling of Petty roads	500	500	22d October 1853 No 390.
	Repairs to Staging Bungalows	200	200	
		~~19466~~ 17,616	17,846	
	Total Communications	19466	17,846	

* This difference is owing to a further deduction on account of Petty Establishment

Superintg Engineer's Office 5th Divn
Salem 8th October 1866

S Thurnott
Collector

To The Secretary to Government
D. P. W.

E M Ford Lieut 16th Bl N.I.
Superintg Engineer
5th Division

5th Division D. P. W.

Salem District.

From,

The Supt Engin
5th Divi

To,

The Secretary to
Government D.P.
& W. 4917/66

Dated 8th
Recd " 3 October 1

Memo: to accompany
Imperial Fund Bi
for Public Works
- 1867-68.-

From 14 Dec 66 Ln 2238.

5th Di

Sale

vision D.P.W.

m District No. II

for Original Works for 1867.68.

87

Detail of Estimate

Executive Division	No.	Locality	Projects — Description	Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867.68.	Remarks & References
			— Military —				
Ussur Range	1	Madagiri	Extending the Southern Range of Stabling at the Remount Depôt at Ussur				
—Do.—	2	—Do.—	Constructing Stabling for horses &c. &c. for Remount Depôt Ussur with cistern rain water	116,700		15,000	G.O. No. 2332 of 11th Augt. 1865 Estimates were submitted to Govt. with Sub. Engr. No. 112. of 23rd September 1866.
—Do.—	"	"	Grant for minor Works the estimates of which does not exceed Rs. 2,500			50	
Salem Range	"	"	—Do.— —Do.— —Do.—			100	
						25,170	
			Total Military				
			— Civil Buildings —				
Salem Range	3	Pennagaram	Constructing a Sub Magistrates Kacherry at Pennagaram	3380	"	3,350	G.O. No. 2881 of 10th Sept. 1866.
Attur Range	4	Namakal	—Do.— a Taluq Kacherry at Namakal	13,370	"	5,000	—Do.— —Do.— —Do.—
Ussur do.	5	Tripatur	—Do.— a Moonsiff's Court house at Tripatur	2450	"	2,450	—Do. No. 2142 of 7th July 1866.
Salem Range	6	Yercaud	—Do.— a Kacherri for Deputy Tah. of the Shevaroy Hills	3300 (3,000)	"	3,000	—Do. No. 3531 of 1st Dec. 1863.
						16,830	

Carried forward

Executive Division	No.	Locality	Projects — Description		Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867/68	Remarks & References
			Brought forward				16,530	
Salem Range	7	Hasthampatti	Constructing 2 Work. sheds at the Jail	nu	1,200	"	1,200	Estimate called for in G.O. No. 3761 of 13th December 1865
Do.	8	Do.	Do. a European Jailor's quart Hospital, Female Wards, &c. at Salem Jail	ers, the	"	"	10,000	Estimates are under preparation
Do.	9	Salem	Constructing a Post Office at Salem		6,240	"	6,240	The Estimate is prepared on the requisition of P.M. Genl & will be submitted shortly
Ussur Range	10	Vaniembody	Do. a Sub Magistrates Kacherry at Vaniembody	i	"	"	3,000	
Salem Range	"		Grant for minor Works the estimated cost of which does not exceed Rs 2,500	cost each			500	
Ussur Do.	"		Do. Do. Do.				150	
Athur Do.	"		Do. Do. Do.				700	
			Total Civil Buildings				44,620	
			Agricultural					
Athur Range	11	Valayapatti	Constructing 2 New Tanks at Valayapatti	tio	5510 / 2813 / 8323 — 8350	"	5,000	G.O. No. 2891 of 3rd Dec. 1862
Do.	12	Kristnapuram	Do. an Anaikat across the Swatha River at Kristnapuram	and	5,150	"	3,000	Do. No. 3587 of 5th Dec. 1863.
Do.	13	Vellyur	Constructing an Anaikat across the Swatha River near Vellyur		8,650	"	5,000	Do. Do. Do.
Do.	14	Goodamalai	Restoring the Goodamalai Mathen ruined Anaikat	aithen	4,920	"	3,000	Do. Do. Do.
			Carried forward				16,000	

Executive Division	No.	Locality	Projects Description		Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867.68	Remarks & References
			Brought forward				16,000	
Akkur Range	15	Valamadavi	Constructing a Tank near Valamadavi		8,670	"	5,000	G.O. No. 3587 of 5th December 1863 Estimate is under preparation by the Range Officer
Do	16	Nopmakab	Restoring the Sereekalay Tank		provisional	"	5,000	
Salem Do	"		Drain for Minor Works the Estimated cost				1,500	
			of which does not exceed Rs 2,500	each			600	
Ussur Do	"		Do Do Do				600	
Akkur Do	"		Do Do Do					
			Total Agriculturab				28,700	
			Communications.					
Salem Range	17	Salem	Constructing a Cart road between Sooramungalum and Sooramungalum Railway Station	ing S.E.	11,300 3,000	11,242	3,058	G.O. No. 2,841 of 27th Novr 1862 Supplemental Estimate will be submitted shortly
Do	18	do	Improving the road between Peralliyatt ow Trunk Road No V. and Akkur Railway Station	o	5,500	3,100	2,400	Do No 2,590 of 9th Sept 1863
Do	19	Sooramungalum	Constructing a choultry for Native Travellers near Railway Station at Sooramungalum	ive ation	5,800	"	2,800	Do No 779. 1898 & 2,674 of 15th March 29th June and 11th Sept 1864
Ussur Range	20	Jollarpet	Constructing a Choultry at Jollarpet the Junction of Bangalore Railway	et- branch	4,900	"	2,900	Do No 2,507 of 30th Augt 1864
							11,158	
			Carried forward					

Executive Division	No.	Locality	Projects — Description	Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867-68	Remarks & References
			Brought forward			11,158	
Ussur Range	21		Constructing a bridge of one of 50 ft.	span			
			over the Chinnair river in the 2d	mile	"	6,000	
			of Ussur and Maloor Road				
Do	22		Constructing a bridge of three Arches of	40 ft.			
			8 span over the Pennair river in the	8	"	6,000	
			mile of Ussur and Maloor ro	ad			
Salem Range	"		Grant for Minor Works the estimated	cost		300	
			of which does not exceed Rs 2,	500 each		50	
Ussur do	"		Do Do Do			100	
Athur do	"		Do Do Do				
			Total Communications			23,608	
			Abstract of Grants proposed for all Civil Works to be disbursed by P. W. Department				

Main Heads	Imperial	Local	Total
Military	25,170	"	25,170
Civil Buildings	44,620	"	44,620
Agricultural	28,700	"	28,700
Communications	23,608	"	23,608
Miscellaneous Public Improvements	"	"	"
Total Rupees	1,22,098	"	1,22,098

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Div

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No III

Detail of Estimate for repairs for 1867.68.

		Estimate 1867.68.		Estimate 1866.67	
		Amount	Total	Amount	Total
Military.					
Sooramungalum	Minor repairs to Military buildings	125	125	100	100
Madagiri	do do do	425		425	
Tripatur, Shulagiri	do do do do	200	625	200	625
Total Military			750		725
Civil Buildings.					
Salem, Darampuri, Otangiri	Minor repairs to Revenue buildings	2,500	2,500	2,000	2,000
Ussur, Tripatur, Kristnagiri	do do do do	470	470	470	470
Namakal, Attur, Trichengode	do do do do	950	950	800	800
Office Stationery		300	300		
Total Civil Buildings			4,220		3,270

	Estimate 1867.68		Estimate 1866.67	
	Amount	Total	Amount	Total
Agricultural				
Minor repairs to Tanks, Channels &c	35,000	35,000	20,500	20,500
Total Agricultural	35,000	35,000	20,500	20,500
Communications.				
Trunk Road No V Repairs &c to metalling	11,400	11,400	11,400	11,400
Trunk Road No I — Do — Do	9,700	9,700	9,700	9,700
Road from Malapadi to Tripatur — Do — Do	4,560	4,560	4,560	4,560
Road from Ussur to Adamankotta — Do — Do	3,880	3,880	3,880	3,880
Salem and Trichinopoly Road — Do — Do	9,498	9,498	9,498	9,498
Road between Salem and South Arcot frontier — Do — Do	5,989	5,989	5,989	5,989
		15,916		
Minor repairs to Roads &c	"	19,566	"	17,846
Do to Travellers' Bungalows	"	700		700
Total Communications		65,293		63,573

Supdg Engr Office 5th Divn
Salem 8th October 1866

Lieut & Coll RE
Superintg Engineer
5th Divn

J K Cuthbert
Collector

To The Secretary to Government
D.D. H

5th Division P.P.W.

Salem District

From,

The Supt.g Engr.
5th Divisn

To,

The Secretary to
Government Dept.
of Public Works.

Dated 8th October 1866
Recd

Imperial Fund Bud
Public Works for 186

Superintending Engineer's Office. 5th Divn
Salem 15th October 1866.

No 121.

From

The Superintending Engineer
5th Division,

To

The Secretary to Government,
Department of Public Works.

Sir,

I have the honor to forward the Budget statement of Bangalore for the year 1867/68.

I have the honor to be
Sir,
Your most obedient servant.
Lieutt Col. R.E.
Superintending Engineer, 5th Division

Enclosure
1 Budget.

54 Dec... Dec'r

Rec'd 16th Dec'r

Rob't Degnan

Dom. Exp. 1870

Superintending Engr

5th Division

Secretary to Govern

Department of Publ

Dated 13th } October 11

Received 5 Dec 70.

No. 121.

Enclosure 2

Forwarding the Bud

Estimate of Barge

for the year 1871

239

Nos. 3938 & 3939 - 11th

Detail of Estimate for

Projects

Division
No. III
Galore
original Works for 1867-68.

Executive Division	No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867-68.	Remarks.
			Military				
Bangalore	1.	Race Course	Constructing Race Course Barracks	12,00,000	7,91,460	25,0,000	Under Order of Government dated 20th November 1857 No. 2136 and Item No. 16 of Budget of 1866-67. Several buildings have been given over for occupation during the past year, and it is expected that the entire Barracks will be occupied by the Cavalry and Artillery during 1867-68.
Do.	2.	Ulsoor	Water Supply project	72,000	62,200	20,000	Order of Government dated 17th July 1865 No. 401, and Item No. 17 of Budget of 1866-67. No. 17 The expenditure on this work will depend on the quantity of iron piping received from England during the year.
Do.	3	Bangalore	Additions to old Dragoon Barracks		"	30,000	Numerous buildings are still required before the Barracks can be considered complete.
			Carried forward			3,00,000	

Executive Division	Projects No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867-68	Remarks
			Brought forward		188[illegible]	3,00,000	
Bangalore	4	Bangalore	Constructing a Forge Mill & Bakery	84,100	43,822	40278	Order of Government dated 29th July 1866 No 2295 and Item No 34 of Budget of 1866-67 Rs 84,100 The sum now asked for will admit of the building being completed in 1867-68.
—Do—	5.	Do.	Additions & Alterations to Field Artillery Barracks	[illegible]	[illegible]	5,000	The additions required to the Barracks were mentioned in the last Budget Rs. of 1866-67 No 21
—Do—	6.	Do	Additions to the Barracks occupied by Troopers and Miners.	[illegible]	7[illegible]	10,000	One Estimate of Rs 5530 for 2 married mens quarters in one block another of Rs 2400 for a Magazine sanctioned in G.O. No 1794 of the 7th June 1866 and No 2051 of the 29th June 1866 respectively. The estimates of other buildings mentioned in last Budget are under preparation Rs 15,000 / 36/7 No 20 -
—Do—	7	do.	Alterations to old Infantry Barracks to suit it to Commissariat purposes	[illegible]	[illegible]	20,000	Order of Government dated 30th July 1866 No 2497 and Item No 35 of Budget of 1866-67. These alterations should be carried out as soon as these Barracks are vacated by the Infantry which will be in 1867-68.
			Carried forward			4,20,278	

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1867.	Estimate 1867-68	Remarks
			Brought forward			420278	
Bangalore	8	Bangalore	Constructing two staff Sergeants quarters 55th Regiment N.I.		1,650	1650	
						8000	An Estimate of Rs 4,650 was sanctioned in G.O. No 2980 of the 31st August 1864 and funds granted in Item No 18 of Budget for 1866-7. but the revised Estimate in accordance with the new standard plans will amount to this.
Do.	9	do.	Additions to the Barracks 55th Regiment N.I.			7000	These additions were mentioned in the last Budget
Do.	10	do.	Additions to the Barracks 22nd Regiment N.I.		"	5000	Do. Do.
Do.	11	do.	Constructing a Slaughter house		"	10,000	
Do.	12.	do.	Do. a Bullock shed		"	30,000	Estimate was called for in G.O. No 2816 dated 4 September 1866.
Do.	13.	do.	A Rifle Range for Artillery		"	30,000	Estimate was called for in G.O. No 2679 dated 5th September 1866.
			Grant for Minor Works the estimated cost of which does not exceed Rs 2,500 each		"	4,000	
			Total Military			514278	

Executive Division	No.	Locality	Projects — Description		Amount of Estimate	Computed expenditure to 31st March 1867	Estimate 1867-68.	Remarks
			Civil Buildings					
Bangalore	14	Bangalore	Walling the New Cemetry, and constructing ways at Shoolay	2 gates	19,640	17,640	2,000	G.O. No 2967 Order of Government dated 7th September 1866 No. 3664.
—Do.—	16	do. do.	Cemetery for Saint Johns Church		Ditto	"	8,000	This work is, if possible, more urgent than the Shoolay Cemetery. Estimate was called for in G.O. No. 462 dated 6th February 1866
—Do.—	16	do.	Constructing a New Post Office and quarters for Post Master	for	Ditto	17,1/166	30,000	This work is urgently required as the present Post office is most unsuited to its work, and the entire building requires large repairs.
—Do.—	17	do.	Constructing a New office for the Executive Engineer at Bangalore	Civil	Ditto	"	8000	The Executive Engineer is compelled to rent a building now as the old office is in a dilapidated state. It is urgently requested that this sum may be granted
			Total Civil Buildings				48,000	

Abstract of grants proposed for the original Works to be disbursed by Public Works Department.

Main Heads	Imperial	Local	Total
Military Buildings	514278	"	514278
Civil Buildings	48,000	"	48,000
Agricultural	"	"	"
Communications	"	"	"
Miscellaneous Public Improvements	"	"	"
Total Rupees	562278	"	562278

No III

Detail of Estimate for repairs for 1867-68

	Estimate 1867-68.		Estimate 1866-67	
	Amount	Total	Amount	Total
Military				
Bangalore—Minor repairs to buildings incl Main Sewer	19930	"	17930	
Cantonment Roads	6070	26000	6070	24000
Total Military		26000	"	24000
Civil Buildings				
Bangalore Minor repairs to general Dept. Buildings	1722	1722	*500	500
Total Civil Buildings		1722		*500
		27722		

* A further amount of Rs. 1250-- were transferred from the Salem & South Arcot Districts.

E A Ford Lieut. Col R.E.
Superintg. Engineer 5th Div.

Superintg. Engrs. Office 5th Div.
Salem 15th October 1866

To
The Secretary to Government
D. P. W.

No. 129.

5th Division

D. P. W.

Bangalore.

From

The Superintg. Engineer
5th Division

To

The Secretary to Govt.
D. P. W.

Dated 31st October 1866
Recd

P. W. 4968/66

Supplementary
Imperial Budget
for Public Works
for 1867-68.

Proc. 14 Dec. 1866 No. 236

1121/66

5th Division C. P. W.

Bangalore

From

The Superintg. Engineer
5th Division

To

The Secretary to Govt.
P. W. Department

Dated 15th October
Recd

P. W. 4918/66

Imperial Fund Budget
for Public Works for 1867-68.

From
The Superintg Engr 5th Division
Bangalore

To
The Secretary to Govt
Public Works Dept
Madras

Letter 15th Octr

Estimate

Submitted through the Superintending Engineer 5th Circle

The Secretary to Government
Public Works Dept

Bangalore

Superintending Engineer's Office
Bangalore 31st October 1866

Lieut Colonel Superintending Engineer
5th Division

Supplemental.

5th Division.

Bangalore.

No II.

Detail of Estimate for Original Works for 1867-68.

Executive Division	Locality	Description	Amount of Estimate	Computed Expenditure to 31st March 1867	Estimate 1867-68	Remarks & References
		Military.				
Bangalore	Hurryhur	Constructing a road to, and Wells at, the Cholera Camp near Hurryhur	2,531	.	2,531	G.O. No 3309 of the 16th October 66
			2,531	.	2,531	

No III.

Detail of Estimate for Repairs.

	Estimate 1867-68 Amount	Total	Estimate 1866-67 Amount	Total	Remarks.
Miscellaneous Pub. Impvts.					
Ordinary repairs to the Main Sewer at Bangalore	240	240			G.O. No 3130 of the 5th Oct/66.
	240	240			

Superintg Engineer's Office
Bangalore 31st October 1866

Edwd Lieut Colonel R.E
Superintendg Engr 5th Division

No 129.
5th Division

D.P.W.

Bangalore.

From

The Superintg Engineer
5th Division

To

The Secretary to Govt
D. P. W.

Dated Fort St George 31st October 1866

Rec'd 4th Novr 1866

Supplementary
Imperial Budget
for Public Works
for 1867-68.

Rec'd 14th Dec 1866 L. L. 239

99

No 855.

Supdg Engr's Office 6th Divn
Tanjore 13th October 1866.

From,

Captain R. F. Oakes R.E.
Superintending Engineer 6th Divn

To,

Colonel C. A. Orr R.E.
Secretary to Government &c &c

Sir,

In forwarding the Budget
Estimate of 66/67, I have the honor to
make a few observations on some
of the Works entered therein -

The Estimated Amounts
required for 67/68, for the Lower An-
icut & for the Vedaruneum Canal
are the balances of the Estimates,
supposing that the allotments for
those Works in 66/67 are not aug-
mented, but as stated in Letter
No 715, dated 14th September Rs 14,000
G.O. 3063 25th Septr 66. exclusive of the Allotment for Stone
will be required for the Lower An-
icut and Rs 10,391 for the Vedarue-
um Canal in excess of the reduced
allotment

allotment as shewn in Letter No 715, & if these sums are to be provided in 1866/67 they may be deducted from the Estimated requirements for 67/68 which will then be -

For the Lower Anicut restoration Estimates Rs 14,000 & 16,000 - 17,469

For the Vedaranem Canal - Estimated Rupees - 70,410 - } 41,497

For the Collection of Rough stone for the Anicut - a separate item of Rs 7,500 is provided under G.O. No 216 dated 11th Jne 1866. -

The Road from Alakudi on the Railway line to Vellinn Rs 27,800 has been omitted from the Budget under G. O. No 1316, dated 21st April/66 -

Rupees 50,000 have been provided for a Commencement of the Project for the improvement of the Cauery which is under preparation by Captain Mead -

During the last 2 years the

the Discretionary allowance for the Road in the District of Tanjore has been reduced by 33 per Cent, as, owing to the extreme dryness of the late Season & the prevalence of high winds, much of the surface material of the standard Roads has been broken up & carried away I beg that for 67/68 the Discretionary Allowance of Rs 20,000 may be restored in full. -

The Road from Salem to Torr 20 for which Rs 8000 was allotted in the Imperial Budget of 1866/67 & Rs 4000 in the Local Fund Bud get, has been omitted from the Budget dist of 67/68 as provision has been made for it in the Local Fund Budget of 67/68. -

For the same reason the

Rs 26,460 - Railway Feeder from Kulitalai to Manapara has been omitted

For a similar reason the

Rs 27,600 - Dismantling of the Fort at Trichinop has

has been omitted - The Prisoners are constantly employed on it, & what aid they may require is supplied from local Funds -

A Sum of Rs 9,860 is provided for the formation of a Reservoir in the Valley of the Coriyaum to supplement the supply to the Myacondum - The Reservoir will also supply the Tanks in the Town of Trichinopoly & will admit of 150 or 200 Cawnies of dry land being converted into wet land - It will contain 7,000,000 Cubic Yards of water & will probably be filled 2 or 3 times in the Season I have only lately received the Estimate, & have not had time to Examine it, but the outlay is so small compared with the benifit to be derived from it that I would suggest that an allotment should be made for it in the Budget of 1867/68 -

Estimates for the Minor Works

Works under Military will be submitted shortly, the list of which required has only lately been received from the Military Department -

I have &c

Sir,

Your most Obd[t] Servt

H. F. Bates Capt[n]

Superintending Engr

Laid before Parliament
for December
1919.

Secretary
Treasury
Dec 5th

Dec 13th

Dec 5th Sept. October 1865
Letter No. 855

Enclosures 6

Quarterly Budget
of Imperial Works
for 1867-68

240

3938-3939-Nov/66

6th

Trichinopoly

Part III

Detail of Estimate for

Division

District

Budget

Repairs for 1867-68

	Estimate 1867-68		Estimate 1866-67		
	Amount	Total	Amount	Total	
Military					
Trichinopoly					
Trichinopoly Station	Minor Repairs to N. Buildings	5000		4812	
	Cantonment Roads	1188		1188	
			6188		6000
	Total Military				
Civil Buildings					
Trichinopoly					
Trichinopoly Station	Minor Repairs to Revenue & Buildings	1500		1500	
Moosery & Perambalore Station	Do. Do. Do.	800		800	
Woodiarpoliem Station	Do. Do. Do.	600		600	
Koolitalley Station	Do. Do. Do.	500		500	
	Carried over	3400		3400	

	Estimate 1867-68		Estimate 1866-67	
	Amount	Total	Amount	Total
Brought forward	3400		3400	
Repairs to Police Stations in the District	200		200	
Total Civil Buildings		3600		3600
Agricultural				
Trichinopoly				
Kozundah Cauvery River — Repairs to Kozundah Cauvery River banks		4000		
Do. — to Caliguttahs Sluices &c.		1000		
Defensive works including Tamul plant		3400		
Maintenance of plantations Tamul & bank watchers		600	9000	6600
Cauvery River — Repairs to Cauvery banks		1500		
Defensive works including Tamul plant		1500		
Repairs to Caliguttahs, Sluices &c.		750		
Maintenance of plantations Tamul & bank watchers		250	4000	3000
Coleroon River — Repairs to Coleroon banks		8000		
Defensive works including Tamul plant		5500		
		13500	13000	9600

Carried on

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
	Brought Forward	13500	13000		9600
	Repairs to Calingalahs, Sluices &c.	500			
	Maintenance of plantations, Inundations & Earth works	700	14700		14400
Iyaan Aliwen	Repairs to Iyaan Aliwen bunds	2000			
	Defensive works including Inundation plant	250			3600
	Repairs to Calingalahs, Sluices &c.	750	3000		
Coppaan Aliwen	Repairs to Coppaan Aliwen bunds	500			
	Defensive works including Inundation plant	2000	3000	"	6000
	Repairs to Calingalahs, Sluices &c.				
Wyaravan Channel	Repairs to Wyaravan Channel bunds	2500			
	Defensive works including Inundation plant	"			
	Repairs to Calingalahs, Sluices &c.	2000			
	Clearance of beds	3000	7500	"	4500
Parravally Channel	Repairs to Parravally Channel bunds	1000			
	Repairs to Calingalahs, Sluices &c.	1000			3000
	Clearance of beds	1000	3000	"	
	Carried	Rupees "	44200	"	36100

		Estimate 1867-68		Estimate 1866-67		
		Amount	Total	Amount	Total	
	Brought forward		44120		36100	
Poodoo Dyew north and south Channels	Repairs to Poodoo Dyew North & South Channels bunds	1000				
	Repairs to Caliagalahs, Sluices &c.	1000				
	Clearance of beds	1000	3000		3000	
Pounairy channel	Repairs to Pounairy Channels bunds	2500				
	Repairs to Caliagalahs, Sluices &c.	500				
	Clearance of beds	700				
	Maintenance of plantations &c.	250	3950		2700	
	Minor Repairs to Tanks Channels &c.		33850		23589	
	Total Agriculture		85000		65389	
	Communication					
Trichinopoly Trunk Road No. 8 from the Vellaur River to Trichinopoly	Repairs &c. to Metalling	13592			13592	G.O. No. 2259 dated 4th December 1859
	Carried over	13592			13592	

		Estimate 1867-68		Estimate 1866-67		
		Amount	Total	Amount	Total	
Brought forward		13592		13592		
Road from Trichinopoly to Salem	Repairs &c. to Metalling	9672	"	9672		G.O.W.No. 2281 dated 11th December 1865.
Southern Trunk Road from Trichinopoly to Madura	Do.	2660	"	2660		Do. W.No. 2074 dated 24th December 1864.
13 Miles of the above Road lying in the Poodoo-cottah Rajah's country	Do.	3110	"	3110		Do. No. 3127 dated 27th October 1865.
Road from Trichinopoly to Carore	Do.	8166	"	8166		Do. No. 322 of 29th February 1856 & 1867. of 8th October 1861, & vide also G.O.W.No. 1346, of 13th June 1862.
Southern Trunk Road from Trichinopoly to Madura between Coiltpatty and the Southern limits of Trichinopoly	Do.	3820	"	3820		Do. No. 949 of 16th May 1861, & 3127 of 27th October 1865
	Carried over	41020	"	41020		

	Estimate 1867-68		Estimate 1866-67		
	Amount	Total	Amount	Total	
Brought forward	41020		41020		
Minor Repairs to Roads as per the annexed List	12292		12292		
Repairs to Unmetalled Roads (Discretionary allowance)	950		950		G.O. Nº 390 of 2nd October 1855 & 93 of 18th January 1858. & vide also Nº 477 of 28th May 1864.
Repairs to Bridges	285		285		
Total Communications		54547		54547	

Memorandum of Roads the Maintenance grants of which exceed Rupees 2500 each. To accompany the Part III Estimate.

Description of Works	Date of Sanction	Amount of Grant	Remarks
Annual Repairs to Road from Trichinopoly to Tanjore via Tiruvadi			
Do. to Do. from Do. via Combaconum	G.O. 2952 dated 9th December 1863	2155	
Do. to Do. from Do. via Circar Polliem	G.O. No. 322 dated 29th February 1856 & 2803 dated 21st November 1862	1335	
Do. to Do. between Trichinopoly and Callagoor	Do. 35 dated 6th January 1864	2040	
Do. to Do. from Trichinopoly to Negatam	G.O. No. 322 dated 29th February 1856	170	
Do. to Do. from Do. to Pondicotta	Do. Do. Do.	270	
Do. to Do. from Do. to the Salem frontier via Toriore	Do. 19 dated 5th January 1864	1050	
Do. to Do. from Do. to Dindigul	Do. 1036 dated 4th January 1861	1580	
Further grant to the Road from Trichinopoly to the Salem frontier via Toriore	Do. 1477 dated 20th May 1864	956	
Annual Repairs to Road from Tiruvadi to Coolamanicum	G.O. No. 322 dated 29th February 1856	170	
Do. to Do. from Trichinopoly to Dindigul from the Arg aur River to the Madura District	Do. 26 dated 6th January 1864	2480	
Total		12292	

Asst. Engrs. Office Trichinopoly 15th October 1866

L. F. Vaux Captain R.E.
Asst. Engineer 1st Div.

6th Div

Enclosure in a letter from the
Supt. Lagunas 6th Div to the
Secretary of Government
Dept. P. W. No 855 dt
13th October 1866.

Inchinnoly District

Part III Budget.

Details of Estimate of
Repairs for 1867-68

6e
Trichinopoly
Part II

Detail of Estimate for

Division
District
Project
Original Works for 1867-68

Executive Division	Projects No.	Locality	Description	Amount of Estimate	Completed or Expended to 31st March 1867	Estimate 1867-68	Remarks or references The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by what Authority the Register No. should be quoted
			Military				
No. 1 Range	1	Trichinopoly	Constructing Apothecary's Quarters the 9th Regiment N. I. at Trichinopoly	for Poly 4000	3780	220	Order of Government No. 717 dated 2nd March 1866. & 2485 of 7th August 1866.
Do.	2	Do.	Constructing a new Guard, Lock up & 2 cells with Privy & Wash House attached on Standard plan for Battery of Artillery at Trichinopoly	the ly 14000	"	14000	Sanctioned for entry in the Budget in G.O. No. 2071 of 25th September 1866.
Do.	3	Do.	Dry System of Conservancy at Trichinopoly	3690	3690		Estimate forwarded to Govt. with Supt. Engr's letter No. 589 of 5th July 1864
Do.	4	Do.	Constructing new Recreation Room including Coffee Room for the Detachment of the 102nd Regiment European Infantry	2780		2780	Standard plan received on 8th October but not suitable, the Deputy Asst. Qr. Mr. General has been addressed on the subject
			Total Military			20690	

Executive Division	No.	Locality	Projects — Descriptions	Amount of Estimate	Amount of Estimate for completion of Works	3rd April 1867	Estimate 1867-68	Remarks or references (the particulars as to whether the Estimate has been prepared or sanctioned should be inserted here. If sanctioned by the Govt. the date of the Register No. should be quoted).
			Civil Buildings					
No. 1 Range	1	Trichinopoly	Constructing a Tahsildary Cutcherry & Subsidiary Jail at Trichinopoly	R 84400 / 10650			10650	Sanctioned for entry in Budget in G.O. No. 3814 of 22nd December 1865, & revised Estimate forwarded to the Collector with letter dated 5th October 1866 for submission to Government.
			Total Civil Buildings				10650	
			Agricultural					
Do.	1	Do.	Constructing Surplus Sluices for the Wyacoadaw Channel	16500			16500	Vide letter from the Supt. Engineer No. 785 dated 29th September 1866.
No. 16	2	Do. and Woodiapolium	Do. 10 Surplus Sluices on the North Bank of Coleroon	8410 / 3970	21.20 / 64.20	8910	3470	Sanctioned in G.O. No. 3798 dated 19th Dec. 1865. Vide also G.O. No. 1919 of 20th June 1866 & 2199 of 13th July 1866.
No. 16 Range	3	Trichinopoly	Forming a Reservoir in the valley of the Brayan to supplement the supply to the Wyacoadaw Anicut on the eastward of Trichinopoly	9860			9860	Estimate will be submitted shortly.
Do.	4	Do.	Completion of the Wyacoadaw Extension Project	24800			10000	Vide G.O. No. 459 dated 15th February 1864
			Total Agricultural				39830	

Executive Division	No.	Locality	Description of Projects	Amount of Estimate	Estimate corrected & brought to 31st March 1867	Estimate 1867-68	Remarks or references (If particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt. of India the Registered No. should be quoted)
			Communication				
W.No.4 Range	1	Coolitalley	Forming Dindigul Road	13800	11827	1970	115 1862 Sanctioned in G.O. No. 1935 of 14th August 1862 recorded as per G.G. Bro. No. 1941 of 11th July 1864
No.1, 2 & 3 Do.	2	Trichinopoly Perumbalood & Woodiarpolium	Forming Road from Trichinopoly to Perumbalood & Woodiarpolium to its junction with Trunk Road No. 9	43600	33095	10505	Sanctioned in G.O. No. 1126 Dated 5th June 1866 Part III Budget of 1866.67 No. 1126.
W.No.1 Do.	3	Trichinopoly	Metalling a portion of the Road from Trichinopoly to Dindigal from 4m. 6f. to 17m. Mile stone	9500	"	9500	Sanctioned for entry in Budget in G.O. No. 3825 dated 24th December 1863.
" 1864 Do.	4	Do. and Coolitalley	Metalling Road from Trichinopoly to Ceroor	28000	"	14000	Do. do. in G.O. No. 2660 dated 1st September 1865. 25 Lacs of 1864-65
" 2 Do.	5	Thoosey	Metalling and gravelling 28 Miles of the Road from Trichinopoly to Salem	15800	"	7800	Sanctioned in G.O. No. 1092 of 16th April 1866.
" 1 Do.	6	Trichinopoly	Metalling 8 Miles of the Southern Trunk Road from Trichinopoly to Madura	7960	"	7960	Sanctioned for entry in Budget in G.O. No. 3127 of 27th October 1865.
Do.	7	Do.	Constructing a Road from the Veyaur Bridge to the Seroor Railway Station	24528	"	10000	Do. do. Do. in G.O. No. 2879 dated 8th October 1865.
						61738	
			Carried over				

Executive Division	No.	Locality	Description of Projects	Amount of Estimate	Completed or in Progress	Estimate 1867.68	Remarks or reference (The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt of India the Register No. should be quoted)
			Brought forward			61738	116
No. 3 Range	8	Woodiarpoliem	Constructing a Road from Lower Annicut ow Trunko Road No. 9 to Woodiarpoliem	10420 "		5000	Sanctioned in G.O. No. 1338 dated 15th January 1864
" 4 Do.	9	Coilitally	Do. a Bridge over the Argaur River on the Road from Luchi-mopoly to Dindigals in the limits of Chittanuttum	21000 "		10000	Estimate submitted to the Deputy Chief Engineer by the late District Engineer with letter No. 1427 dated 14th November 1862
" 1 Do.	10	Luchimo-poly	Constructing a Bridge over the Manthayaien River on the Road from Luchimopoly to Arealur	25000 "		10000	Sanctioned in G.O. No. 524 dated 22nd February 1864
— Do. —	11	Do.	Do. a Do. over the Coilcandoo Odiay on the Road from Luchimopoly to Arealur	5200		5200	Estimate will be submitted shortly
" 2 Do.	12	Thoosery	Do. a Do. from Thoosery to Cannanoor & Lorion	43000 "			The preparation of Estimates for these Roads have been deferred under G.O. No. 2499 dated 8th August 1866. last the works are shewn here in order that they may not be lost sight of.
— Do. —	13	Do.	Do. a Do. from Caattoopoothoor to Valyapatty	21200 "			
" 284 Do.	14	Do. and Coilitally	Do. a Do. from Vellooculty to Lottiem	2600 "			
			Total Communication			91938	

Abstract of the grants to be disbursed by the proposed for all Original Works Public Works Department

Main Heads		Imperial	Local	Total
Military		20690	"	20690
Civil & Buildings		10650	"	10650
Agricultural		39830	"	39830
Communications		91938	"	91938
Total as per pages 1, 2 & 4		163108	"	163108

Detail

List of Minor Works below Rupees 2500 each recommended for execution in 1867-68

Description of Works	Amount of Estimate	Remarks
Military		
Constructing a double Skittle Alley for the Battery of Artillery on Standard plan	750	
Do. a Cricket ground for Do. Do.	750	
Providing a new Skittle Alley on Standard plan for Detachment of the 102nd Regt. & Infantry	750	
Hospital Privies for 2 Regiments of Native Infantry at Trichinopoly	2200	
Boilers at Trichinopoly in which to immerse Soldiers' cots to destroy bugs	525	
Building a wall 12 feet high round the ground in front of new Artillery Family Quarters within which to		

In List of Works approved by the Commander-in-Chief for execution in 1867-68. Estimates will be submitted shortly, the amounts entered in Columns 2 are only approximate amounts.

Description of Works	Amount of Estimate	Remarks
Brought forward	4976	
make garden plots for the Battery of Artillery at Trichinopoly	920	
Alterations to the godown used as Collar Makers Shop & verandah & make fit to work in including flooring with stones for the Battery of Artillery at Trichinopoly	1080	
Enclosing the Barracks Guard Room of the 2nd Regiment L. Infantry	720	
Roofing in the Latrines & providing drying earth store & Cart Shed 2nd Regt. L. I.	1360	
Alterations to the Building used as Ordnance Office in the Fort of Trichinopoly	1200	
Constructing 2 Latrines in Barracks Detail at Trichinopoly	2200	
Carried over	12455	

In List of Works approved by the Commander-in-Chief for execution in 1867-68. Estimates forwarded to the Deputy Asst. Qr. Mr. General with letter No. 835 dated 10th October 1865

Description of Works	Estimates Rs. As. P.	Remarks
Brought forward	12455	
Civil Buildings		
Constructing a 2d. class Sub Magistrate's Office & Police Station at Tuticorin	2300	Estimates forwarded to the Collector as per his D. No. 2156 of 28th July 1865
Do. Do. Do. at Rajamundrapatnam	2300	
Additional Record Room to the Taluq Cutcherry at Mooseri	500	Estimate forwarded to the Collector as per his D. No. 2018 of 21st July 1866.
Restoring roof & improving the Treasury Room in the Collector's Cutchery	500	Estimate forwarded to the Collector with letter No. 710 of 14th September 1866.
Total	18055	

Supt. Engrs. Office 6th Dec.
Tanjore 13th October 1866

H. P. Cox Captain R.E.

Supt. Engineer 6th Dec.

6 Dr

120

Enclosure as Letter from Asst Engr 6th Dist. Engineer 6th Dr 6th Dist Secretary to Government No 855 dated 13th October 1866.

C. W. 4919/66

Section of the District

Part II Dudgeon

(Details of Estimate for Original Works for 1867)

Fwd to Chief 18 Oct 1866

Jaffna
Part II
Details of Estimate

Division
District
Budget
for Repairs for 1867-68

Civil Buildings

	Estimate 1867-68		Estimate 1866-67		
	Amount	Total	Amount	Total	
Jaffna Jaffna Station — Minor Repairs to Revenue Civil Buildings	2300	"	"	2300	
Caubaconum Station — Do — Do — Do	2000	"	"	2000	
Myaveram and Chealy Stations — Do — Do — Do	1310	"	"	×2500	× These amounts include the Allotment for repairs to Salt Works
Negapatam & Tevoloraipoody Stations — Do — Do — Do	1900	"	"	×6900	
Munnargadi & Puttocottah Stations — Do — Do — Do	1200	"	"	×6200	
Tunniclaw Station — Do — Do — Do	900	"	"	900	
Repairs to Salt Buildings in the District	10000	"	"	"	
Total Civil Buildings	"	17610	"	20800	

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
	Agricultural				
	Jaugier				
Codamurty River	Repairs to Codamurty River banks	2000			
	Defensive works including Naval plant	1500			
	Repairs to Sluices Caliyugalahs &c.	350			
	Maintenance of plantations Naval & bank watchers	150	4000	4008	
Vennaar River	Repairs to Vennaar River banks	3500			
	Defensive works including Naval plant	2000			
	Repairs to Sluices Caliyugalahs &c.	500			
	Maintenance of plantations, Naval & bank watchers	360			
	Repairs to Channel	640	7000	6814	
Cauvery River	Repairs to Cauvery River banks	1500			
	Defensive works including Naval plant	2500			
	Repairs to Sluices, Caliyugalahs &c.	750			
	Maintenance of plantations, Naval & bank watchers	500	5250	5252	
Vellaur River	Repairs to Vellaur River banks	3600			
	Defensive works including Naval plant	4100			
	Carried over	7700	16250	16074	

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
	Brought forward	7700	16250	"	16074
	Clearance of beds	2000			
	Repairs to Caliyalahs, Sluices &c.	800			
	Maintenance of plantations, Inundt & banks matchers	500	11000	"	10718
Coleroon River	Repairs to Coleroon River banks	4000			
	Defensive works including Inundt plant	4700			
	Repairs to Caliyalahs, Sluices &c.	300			
	Maintenance of plantations, Inundt & banks matchers	500			
	Repairs to Sluices	3000	12500	"	9944
Munnyaar River	Repairs to Munnyaar River banks	1500			
	Defensive works including Inundt plant	500			
	Clearance of beds	450			
	Repairs to Caliyalahs Sluices &c.	500			
	Maintenance of plantations, Inundt & banks matchers	50	3000	"	3836
	Carried over	"	42750	"	40572

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
	Brought forward	"	42750	"	40572
Kirasel aun River	Repairs to Kirasel aun River bunds	2000			
	Defensive works including Nanul plant	1500			
	Repairs to Caliyulahs, Sluices &c.	500			
	Maintenance of plantations Nanul & bunds watchers	250	4250	2240	
Terroomulragenaun River	Repairs to Terroomulragenaun River bunds	1000			
	Defensive Works including Nanul plant	500			
	Repairs to Caliyulahs Sluices &c.	500			
	Maintenance of plantations, Nanul & bunds watchers	200	2200	2192	
Inoodicoadanaun River	Repairs to Inoodicoadanaun River bunds	1000			
	Defensive works including Nanul plant	500			
	Repairs to Caliyulahs, Sluices &c.	500			
	Maintenance of plantations, Nanul & bunds watchers	200	2200	1692	
	Carried over	"	51400	"	46696

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
	Brought forward	"	57400	"	46696
Palawan River	Repairs to Palawan River bunds	1500			
	Defensive works including Canal plant	250			
	Repairs to Caliguilahs, Sluices &c.	300			
	Maintenance of plantations Canals & bunds watchers	250	2300		3700
Ligawan & Inoolikan Rivers	Clearance of beds	5000			
	Repairs to Masonry works	1500	6500		6500
Pandanyan Rivers	Repairs to Pandanyan Rivers bunds	1500			
	Defensive works including Canal plant	500			
	Repairs to Sluices, Caliguilahs &c.	50			
	Maintenance of plantations Canals and bunds watchers	200	2250		3750
Pattan River	Repairs to Pattan River bunds	1500			
	Defensive works including Canal plant	1000			
	Carried over	2500	62450	"	60646

		Estimate 1867-68		Estimate 1866-67		
		Amount	Total	Amount	Total	
	Brought forward	2500	62450	"	60646	
	Repairs to Calingalahs, Sluices &c.a	500				
	Maintenance of plantations, Canal & banks to Watchers	150	3150	"	3140	
Valapaun Aiven	Repairs to Valapaun Aiven banks	1250				
	Defensive works including Canal plant	500				
	Repairs to Calingalahs, Sluices &c.a	250				
	Maintenance of plantations, Canal & banks to Watchers	200	2200	"	3092	
			52200	"	47122	
	Minor Repairs to Tanks Channels &c.a		120000	"	114000	
	Total Agricultural					
	Communication					
Jaujan Road No.2 from Grand Anicut to Colerow at Chetty	Repairs &c.a to Metalling	8640	"	"	8640	by Dr. 727 of 9th May 1856 & 2020 of 2nd July 1863 –
		8640	"	"	8640	
	Carried over					

Description	Estimate 1867-68 Amount	Estimate 1867-68 Total	Estimate 1866-67 Amount	Estimate 1866-67 Total	
Brought forward	8640 —		8640		
Road No. 1 from Taujen to Negapatam — Repairs do. to Metalling	7572 "		7572		by G.O. No. 727 of 9th May 1856 & 2020 of 2nd July 1865.
Road No. 35 from Parallem to Teroto. & rapoondi via Tiruloor — Do. — Do. — Do.	2660 "		2660		Do. No. 2020 of 2nd July 1865.
Do. No. 3 from Kodiramapatam to Cuddapatty via Coudracottah — Do. — Do. — Do.	3280 "		3280		Do. — Do. — Do.
Do. No. 36 from Nagoor to Valangan. = ny — Do. — Do. — Do.	5640 "		5640		Do. — Do. — Do. & 2054 of 18 July 1865.
Do. No. 8 from Puttocottah to Taujen — Do. — Do. — Do.	3016 "		3016		Do. No. 2020 of 2nd July 1865.
Minor Repairs to Roads as per the annexed List	15689 "		15689		
Repairs to Unmetalled Roads (Discretionary Allowances)	20000 "		13570		Do. No. 188 of 3rd May 1858.
Carried over	66437 "		59947		

	Estimate 1867-68		Estimate 1866-67	
	Amount	Total	Amount	Total
Brought forward	66437	"	"	59947
Repairs to Quinero	6500	"	"	6500
—Do.— to Bridges	1200	"	"	1200
—Do.— to Navigable Canals	2500	"	"	700
Total Communication		76637		68347
Miscellaneous Public Improvements				
Sanjun —— Minor Repairs to Ports & Harbours &c	2500			2280
Total Miscellaneous Public Improvements		2500		2280

		Estimate 1867-68		Estimate 1866-67	
		Amount	Total	Amount	Total
Agricultural					
Jaujen					
Codamurty River	Repairs to Codamurty River banks	66437	"	"	59947
	Defensive works including Annual plant	6500	"	"	6500
	Repairs to Sluices Caliyagalahe &c.	1200	"	"	1200
	Maintenance of plantations Annual & bank waterhers	2500	"	"	700
Vennaan River	Repairs to Vennaan River banks		"		6834
	Defensive works including Annual plant		76637		
	Repairs to Sluices Caliyagalahe &c.				
	Maintenance of plantations, Annual & bank waterhers				2280
	Repairs to Channel	2500			
Cawmeny River	Repairs to Cawmeny River banks				
	Defensive works including Annual plant		2500		2280
	Repairs to Sluices, Caliyagalahe &c.				
	Maintenance of plantations, Annual & bank waterhers				
Vellaan River	Repairs to Vellaan River banks				
	Defensive works including Annual plant				

Carried forward

Memorandum of Roads the Maintenance grants of which not exceed Rupees 2'500 each. To accompany the Part III Repairs

Description of Works	Date of Sanction	Amount of Grant	Remarks
Annual Repairs to Trunk Road No. IX from Loo Annicut to Cauhaconum	G.O. No. 400 of 18th Repts. 54 & 2026 of 23rd July 1863	1881 --	
Do. to Road from Cheally to Annie-chatram	Do. No. 2020 of 23rd July 1863	732 --	
Do. to Road No. 1 west of Jaujun	Do.	2280 --	
Do. to Road from Jaujun to the South of Colroon on the Road to Arcalun	Do.	760 --	
Do. to Road No. 15 from Cauhaconum Nunnargadi	Do.	2248 --	
Do. to Do. No. 15 from Nunnargadi Adirampatnam	Do.	1536 --	
Do. to Do. No. 17 from Coraneel Coradachiny	Do.	568 --	
Do. to Do. No. 39 from Papanaicum Ammapettah	Do.	840 --	
Do. to Do. No. 26 from Nortoopettah Vilangunny	Do.	2464 --	
Do. to Do. No. 30 from Nyaneram Nagoor	Do.	2380 --	
Total Rupees		15689 --	

Supdg Engrs Office Trunk Road
Jaujun 15th October 1866

J. Dalton Captain R.E.
Supdg Engineer Trunk Road

Inem

6th Div.

C.

Culverts & Letter Frames

Supt. Cayuga 6th Div. Letter

Secretary to Government Dt.

No. 855 dated 15th October

1866.

$3,749.92

Cayuga District

Part III Budget

Details & Estimates

Repairs for 1867-68

250

From 14th Dec/66 Land

135

Memor

Annu

Division
District
Budget
Original Works for 1867-68

Detail of Estimate for

Schedule A
Part II
Form 6.

Executive Division	Projects No.	Locality	Description	Amount of Estimate	Amount of Estimate for completion of Works commenced 1867	Estimate 1867-68	Remarks or references. No particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt. of India the Register No. should be given
			Civil Buildings				
No. 1 Range	1	Taujeen	Constructing a Civil Court House at Taujeen	48570	-	20000	Sanctioned for entry in Budget in h. Dis. dated 15th December 1863
— Do. —	2	— Do. —	— Do. — a Jail at Taujeen	64001	-	30000	Do. Do. in h. Dis. 3622 of 17th Dec.
No. 3 Do.	3	Myaueraw	Do. — a Lalay Cutcherry at Myaueraw	4500	-	4500	Sanctioned in h. Dis. 2397 of 24th Dec. 18 and also h. Dis. 3784 of 24th November
No. 1 Do.	4	Taujeen	Demolishing walls of the Taujeen Jail	31000	-	15000	Sanctioned for entry in Budget in h. Dis. dated 24th February 1864
			Total Civil Buildings			69500	
			Agricultural				
No. 2 Range	1	Cohaconnaw	Constructing a sluice and 7 arches additional to latente and rough Aprow at the north extremity the south branch of the Lower	with stone & Colerow			

Division
District
Budget
Original Works for 1867-68

Detail of Estimates

Executive Division	Projects No.	Locality	Description		Amount of Estimate	Completed or partly done to 31st December 1867	Estimate 1867-68	Remarks or references. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt. of India the Register No. should be given
			Civil Buildings					
W. 1 Range	1	Taujeen	Constructing a Civil Court House at Taujeen		48570	-	20000	Sanctioned for entry in Budget vide L. D. No. dated 15th December 1863
— Do. —	2	— Do. —	— Do. — a Jail at Taujeen		64000	-	30000	Do. Do. in L. D. No. 3622 of 17th Dec.
W. 3 Do.	3	Myaueraw	Do. — a Lalay Cutchery at Myaueraw		4500	-	4500	~~Sanctioned in L. D. No. 2397 of 24th Dec.~~ ~~and also L. D. No. 3184 of 4th November~~
W. 1 Do.	4	Taujeen	Demolishing walls of the Taujeen Fort		131000		15000	~~Sanctioned for entry in Budget vide L. D. No.~~ ~~dated 24th February 1864~~
			Total Civil Buildings				69500	
			Agricultural					
W. 2 Range	1	Cahadonew	Constructing a Sluice and 7 Chokes additional latents and rough Apron at the north extremity the south branch of the Yoaun	with stone & Coleroon				

Projects

Executive Division	No.	Locality	Description		Amount of Estimate	Estimate Completion of Contract	Estimate 31st December 67	Estimate 1867-68	Remarks or references (Whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Court of Directors the Register No. should be quoted)
No. 2 Cuddapah	2	Cuddapah	Anicut Constructing additional Waterstop above Apron with retaining walls the advanced portion of 3 Sluices South branch of the Lower Anicut	rough ashlar in the core	74000 16000	28531	31469		New No. 90 in Part II Budget of 1866-67 vide also G. O. No. 1098 dated 10th April 1866.
Do.	3	Do.	Constructing a Grout retaining wall along the South Waterway of the Calingood Anicut ~~to connect the~~ ~~flood with the existing~~ ~~waste weir of the South Channel~~ ~~enclosed upon each wings of the~~ ~~set of Sluices & distributary~~	Rear and abreast Lower Dam at the Lower northern part	68750 10750		31750 10000		Connected with estimate No. 4330 of 1866 Estimate forwarded to Court with Supt's Letter No. 764 of 26th September 1866.
Do.	4	Do.	Collecting Rough stones for the Coleroon Anicut	Lower			7500		Provision made under G. O. No. 2166, of 11th July 1866.
No. 1, 2 & 3	Do.	5	Tanjore, Coimbatore, Trichinopoly & Madura Districts	Regulating works for the improvement of the Cauvery	ancut 350,000		50.000		* Approximate Amount Report will be submitted shortly.
			Total Agricultural				100969		
No. 4 Nizapatam	1	Nizapatam & Tondiarpoy	Communication Opening a Canal between Nizapatam & Tondiarpoy Supplemental to Do.		a patam 64000 6410 70410	37 27 1417 26 18522	32 1 57888.		Estimate No. 157 in Part II Budget of 1866-67 vide G. O. No. 2706 of 29th August 1866.
					carried down		57888		

Executive Division	No.	Locality	Description	Amount of Estimate	Estimate completed expenditure to 31st March 1867	Estimate 1867-68	Remarks or references (Whether Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Court of India the Register No. should be quoted.)
			Brought forward			57888	
W.P.	1	Laujen	Widening the Bridge over the Affluent by 2½ feet on the upstream side and rebuilding the wall and parapet on the down stream side of the Bridge	12960		12960	Estimate forwarded with Supdg Engrs letter No. 764 dated 26th September 1866.
Do.	3	Do.	Constructing a Road from Salai Mannargudi Railway Station Southwards to Road No. 7 which connects Mannargudi with Tangore	21000		10000	Estimate approved by G.O. No. 3116 of 31st October 1864.
Do.	4	Do.	Do. from the Cottaipatty Railway Station to Coviladypoo the North bank of Cauvery	17800		7800	Do. Do. Do.
No. 5 Do.	5	Mannargudi	Metalling the Road from Needamangalam Railway Station to Mannargudi	30420		15000	G.O. No. 2881 Order of Government dated 2nd Dec. 1862 No. 2881 for 6th August 1863 No. 2248
Do.	6	Mannargudi & Pattoocottah	Constructing a Road from Perumdaram to the Sea port of Manoloospettah	10500		10500	Order of Government No. 2148 dated 23rd November 1857.
No. 485 Do.	7	Tiruturaipoondi & Mannargudi	Constructing Masonry works on Road No. 27 from Pattoot to Tangavoy on the Mannargudi & Tiruturaipoondy Talaqs				
			Bridge of 3 Arches across the Moolliyaur	2400			
			Carried over	2400		108148	

Executive Division	No.	Locality	Description	Amount of Estimate	Amount of Estimate for completion of Estimate	Amount of Estimate 1867-68	Remarks or references (The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Government of India the Register No. should be quoted)
			Brought forward	2400	"	108148	
			Bridge across the Peroomooroo	2820			
			Do. Stone arch across the Cholavanaum	2250			
			2 Bridges across the Poondi Paudiaur & Vengavaur Chole Colum Channels	3360			
			Bridge across the Palambaudi aur	1700	✓		
			Landing Tunnels & Small Bridges	2100	✓		Estt No 2148 Cercle of Government dated 23rd November 1857 No 2148
				14630	✓ "	14630	
No. 4 Cuyd	8	Negapatam	Constructing a Road from the Keenaloor northwards to join the Nagoor and Parallem Road to East of Palajaur	96000			The preparation of the Estimates for these Roads has been deferred under G.O. No. 2499 dated 8th August 1866, but the works are shewn here in order that they may not be lost sight of.
— Do. —	9	— Do. —	Do. a Do. from Keenaloor southwards to Keelyood on the Negapatam & Tevoto a Road	51000			
No. 1 — Do. —	10	Tanjore	Do. a Do. from the Poothalor Station northwards to Tevoor	Railway Facility 83700			Vide G.O. No. 1316 dated 26th April 1866. The works has been entered here in order that it may not be lost sight of.
			Total Communication			122778	

Memora

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Abstract of the grants proposed for all Original Works
to be discussed by Public Works Department

Main Heads		Imperial	Local	Total
Civil Buildings		69500	"	69500
Agricultural		100969	"	100969
Communication		122778	"	122778
Total as per Page 1.26	4	293247	"	293247

List of Minor Works below Rupees 2500 each recommended for sanction in 1867-68.

Description of Works	Amount of Estimate	Remarks
Civil Buildings		
Constructing a Mooncipal Coast House at Mayaveram	2021	Sanctioned in G.O. No. 3126 of 2nd October 1866.
Agricultural		
Restoring Soath mining in all of the South & Cajah Local Surplus Sluices	2350	Estimate forwarded to Govt. with Supt. Engrs. letter No. 764 dated 26th September 1866.
Total	4370	

Supt. Engrs. Office 6th Div.
Tanjore 13th October 1866

T. F. Dale Captain R.E.
Supt. Engineer 6th Div.

Part II Estimate

Details of Minor New Works for 1867-68

Classification	Executive Division or District	Project No.	Locality	Description	Amount of Estimate	Amount of Expenditure up to 31st March 1867	Estimate 1867-68 Amount	Estimate 1867-68 Total	Remarks
				Minor new works & Improvements					
Civil Buildings							2000	2000	
Agricultural							7500	7500	
Communications							2500	2500	
				Total				12000	

Asst. Engineer's Office
Jaujan 15th October 1866

H. P. Oakes Captain R.E.
Asst. Engineer 6th Div.

Rangoon Chronicle Press

6th Division

Trichinopoly District

Part II Budget

Details of Minor New Works for 1867-68

Classification	Executive Division or District	Project No.	Project Locality	Project Description	Amount of Estimate	Amount expended to 31st March 1867	Estimate 1867-68 Amount	Estimate 1867-68 Total	Remarks
				Minor New Works & Improvements					
Military							1500	1500	
Civil & Judiciary							1000	1000	
Agricultural							5500	5500	
Communications							500	500	
					Total			8500	

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funds being devoted to works "Agricultural" and "Communications" - An increased allotment is asked for "Minor repairs to roads," and for repairs "Agricultural" the usual sum granted for this latter head will be quite insufficient to meet the demands made by the Collector in his Statement of works out of repair which was referred in C.O. of the 18th Instant No 2913: in this Statement there was included the Maramdary Channel Rs 2000, but I have made a separate entry of Rs 3500: as the estimate which I shall be able to submit shortly is likely to amount to at least 5000 Rupees. This is an important Channel which has been long out of repair, and the former Collector was also anxious to have a provision made for it in this Budget. -

I have &c.

Henry Pendergast Captain R.E.
Offg Superintending Engineer S.I.D.

Supt. 2nd Div. P.W.D. South Canara Division

Memorandum shewing details of all maintenance Grants of Roads entered in Part III of Budget of 1887/8
Required in Para 5 of G.O. No. 2919 of 4th October 1885.

Details of Works	Allotment for No. I or Imperial Rupees	Allotment for No. II or Local Rupees	Allotment for No. III or Cesses Rupees	Total Imperial	Total Local	Total	Remarks or References
Repairs							
Communications							
Annual repairs to Road from Mangalore to Karcal Station of the Military Road from Mangalore to Hurryhur leaving the Agoomby Ghaut 34 Miles	3,168 "	"		3,168 "		3,168	G.O. No. 183 of 9th Jany: 188
Do to Military Road to connect Mangalore and Cannanore leaving Trunk Road No. 17 Panimangalore by Vella to head of River and Canal Communication near Hosdroog 48 Miles	"	"	4752	4752	"	4752	Do
Do to Coolcor Road circuit comprising the Coolcor Ghaut its feeder and branches 62 Miles	"	6138	"	6138	"	6138	Do
Carried over	3,168	6138	4752	14,058	"	14,058	

Detail of Work	Allotment for Revenue Triangular Range	Revenue Conditional Range	Revenue Contour Range	Total Imperial	Total Local	Total Rupees	Remarks & References
Brought over	3,168	6,138	4,752	14,058	"	14,058	
Annual Repairs to Hullabar Road Circuit Comprising the road diverging from the foot of Agoor Ghaut with Main branches 88 miles	"	8,712	"	8,712	"	8,712	Gobusoor 8/9 Jungle 1881
Do to Tyndt Road No 3, and Continuation from Maany and Tyndt Road No 11 to the foot of the Bungerabad Ghaut 40 miles	"	"	3,960	3,960	"	3,960	Do
Do to Road from Pinhoall to Channedy Ghaut on Mysore Frontier 47 miles	4,158	"	"	4,158	"	4,158	Do
Do to Tyndt Road No 11 from Bungalow to foot of Mercara Ghaut 66 miles	1,584	"	4,900	6,636	"	6,636	Do
Do to Roads, Jungles and Streams over the same Special unforeseen Repairs	"	"	"	220	"	220	
Repairs to Spare Bungalows	"	"	"	1,000	"	1,000	
Total Communication	8,910	14,850	13,662	38,642	"	38,642	

Office Engrs. Officer &c &c
Coonoor 12th October 1881

Major &c
Executive Engineer 1st Division

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7th Division D.P.W.

South Canara District

Part III.

Detail of Estimate for Repairs.

Items	1867/68. Amount	1866/67 Total Amount	Total
Military.			
Canara District.			
Mangalore — Minor Repairs to Buildings	1,300	1300	1,302 1,300
Total Military			
Civil Buildings.			
South Canara District.			
Mangalore — Minor repairs not exceeding Rs 2,500	2,500	"	~~2,500~~
Coondapoor — Ditto — D.	1,500	"	~~1,500~~
Cooloor — Ditto — D.	1,500	"	~~1,522~~
~~Ditto to Police Buildings~~	~~400~~	"	~~400~~
Total Civil Buildings	~~5500~~ 4,900 ✓		5,900
Communications			
South Canara District.			
Annual repairs to road from Mangalore to Karkal portion of the Military Road from Mangalore to Bantwalla leaving the Agoomby Ghaut 32 Miles	3,168		3,168
Ditto to Military Road to connect Mangalore & Cannanore leaving Trunk Road No. 11 near Paneman-galore by Vitla to head of River and Canal Com-munication near Hosdroog 48 Miles	4,752		4,752
Ditto to Cooloor Road Circuit Comprising the Cooloor Ghaut its feeder and branches 62 Miles	6,138		6,138
Carried Over	14,058.		14,058.

1867/68. 1866/67.

Annual Total Amount Total

Brought forward 14,058 14058

Communications (Continued)

Annual Repairs to Mullada Road Circuit Comprising the road diverging from the foot of Agoomby Ghaut with their branches 88 Miles 8,712 8712

Ditto to Trunk Road No. III and Continuation from Maangon Trunk Road No. II to the foot of Munzerabad Ghaut 3,960 3960

Ditto to Road from Buntwall to Charmady on Hyderabad Ghaut on Mysore Frontier 4,158 4158

Ditto to Trunk Road No. II from Mangalore to the foot of Mercara Ghaut 6,534 6534

Repairs to Boats, Jangars, and Sheds over the same 220 220

Travellers Bungalows 1,000 203

Total Communications 38,542 37845

Miscellaneous Public Improvement

Mangalore — Annual repairs to Mangalore Streets 300 300

Ditto to Light Houses 25 25

Total Mis. Pub. Improvements 325 325

Maintenance of the Mangalore Quay

G.O. No. 2533 of 17th August 1866 250 250 250 250

7th Division P.W.D. South Canara District

Abstract of the Grant proposed for all Repairs to be disbursed by the Public Works Department.

Main Heads	Imperial	Local	Total
Military	1300	"	1,300
Civil Buildings	5,900	"	5,900
Agricultural	"	"	"
Communications	38,642	"	38,642
Miscellaneous Public Improvements	325	250	575
Total	46,167	250	46,417

Superintending Engineer's
Office 7th Division
Cannanore 12th October 1866

W. Morrison Lieut. [illegible]
Ex. Asstt. Engr. 7th Div.

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4th Div. D.P.W. Malabar District

Memorandum Shewing details of all maintenance Grants of Roads &c entered in Part III of Budget of 1867/68 required in para 5 of G.O. No 2919 of 4th October 1865.

Details of Works.	Allotment for No 1 or Cannanore Range.	No 2 or Calicut Range.	No 3 or Palghaut Range.	No 4 or North Wynaad Range.	No 5 or South Wynaad Range.	No 6 or Battery Range.	Total Imperial	Total Local	Total Both.	Remarks or references.
Repairs										
Communications.										
Trunk Road No 4 from Cannanore to the Coorg frontier 34 Miles	3,366						3,366		3,366	G.O. No 83 of 9th January 1866.
Ditto No 5 from Wallior by Palghaut to Ponany 71 Miles			7,029				7,029		7,029	Do
Road from Tambercherry Ghaut to Mysore frontier 40 Miles					3,960	3,960		3,960		G.O. No 3763 of 14 Dec 1865 from G. G.O. No 405 of 1st February 1866 para 41 G.O. No 3590 of 27th Sept 1866.
Ditto from Cannanore to Mysore frontier by Periah Pass to Manantoddy 65 Miles	3,168			3,267			6,435		6,435	G.O. No 83 of 9th Jany 1866.
Ditto from Manantoddy to Goodaloor by Sultan's Battery 54 Miles				2,376	2,970		5,346		5,346	Do
Carried over	6,534		7,029	2,376	6,237	3,960	26,136		26,136	

Details of Works	Allotment for No 1 on Cananore Range	No 2 on Calicut Range	No 3 on Palghaut Range.	No 4 on Tritchinopoly Range	No 5 on South Arcot Range	No 6 on Vizagapatam Range.	Total Imperial	Total Local	Total Both	Remarks or References.
Brought over	6,534	7,029	2,376	6,237	3,960	26,136		26,136		
Road from Manantoddy to Calicut by Tamarracherry Ghaut 60 Miles		2,475	2,475		990	5,940		5,940		G.O. No 83 of 9th January 186
Ditto from Mysore frontier at Tippacadoo by Carcoor Ghaut to Areakode 60 Miles		2871		3,069		5,940		5,940		Do
Ditto from Calicut to Palghaut by Malliapooram, Manar & Mundoor 80 Miles		3,020	4,900			7,920		7,920		Do
Coast Road from Beypoor to Baliapatam 70 Miles	3,663	3,267				6,930		6,930		Do
Canal from Ponany to Cochin 66 Miles		5,940				5,940		5,940		G.O. No 3376 of 11th Nov 1865 and G.O. No 405 of 1st Feb 1866 and G.O. No 3090 of 27th Sept 1866.
Annual repairs to road from Mattanoor on Trunk Road No 4 via Cootaparamba to Tellicherry 16 Miles	1,584					1,584		1,584		G.O. No 83 of 9th Jany 186
Ditto from Yeddanaad to Malliapooram 16 Miles		1584				1,584		1584		Do
Ditto to road from Areacode to Coonotty 10 Miles		990				990		990		Do
Ditto from Malliapooram to Tiroor Railway Station 16 Miles		1,584				1,584		1,584		Do
Ditto to Palghaut Railway Feeder 4 Miles			396			396		396		Do
Ditto to road from Angadipooram to Puttamby 15 Miles			1,485			1,485		1485		G.O. No 1230 of 6 May 186
Ditto to Railway Feeder from Tiroorangady to Parpenangady 4 Miles		396				396		396		
Ditto to Do from Cherpalcherry to Wottapollieru 11 Miles			1,089			1,089		1,089		G.O. No 405 of 1st February 1866 para.
Ditto to Do from Panamaram to Kulpuntty 10 Miles				990		990		990		and G.O. No 3090 of 27th September 1866
Ditto to Do from Tanoor to Tanoor Railway Station 2 Miles		198				198		198		G.O. No 1809 of 29th Jun 1865.
Ditto to Do from Ponany to Tiroor Station 10 Miles		792	198			990		990		
Carried over	11,781	17,177	21037	5,841	9,306	4,950	70,092		70,092	

Allotment for

Details of Works.	No 1 at Cannanore Range	No 2 at Calicut Range.	No 3 at Palghaut Range.	No 4 at Nilgherry Range	No 5 at Southdapaud Range	No 6 at Cuddapah Range.	Total Imperial	Total Local	Total Both.	Remarks and References.
Brought over	11,781	17,177	21,037	5,841	9,306	4,950	70,092	.	70,092	
Annual repairs to road from Manantoddy to foot of Coatiaddy Ghaut 25 Miles	891	.	.	1,584	.	.	2,475	.	2,475	G.O.No 830 of 9th January 1866
Ditto to Suttan's Canal	300	.	.	.	.	.	300	.	300	G.O.No ___ of 3rd May 1841.
Discretionary allowance	.	.	.	.	.	.	1,500	.	1,500	G.O.No 3267 of 15th Nov 1864.
Repairs to Travellers Bungalows	.	.	.	.	.	.	2,500	.	2,500	
Total Communications	12,972	17,177	21,037	7,425	9,306	4,950	76,867	.	76,867	

Supdg Engrs Office y. Dn
Cannanor 12th October 1866

Wilmshurst Major
Exg: Supdg Engr y. Dn

R.P.

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Est. D. Pwks. Malabar District
Part III.

Detail of Estimates for Repairs for 1865/66.

Items	Estimate 1865/66.	Amount of Total Amount
		14,960
	00	
	00	
	00

From,
The Superintending Engineer
7th Dn

To,
The Secretary to Govt
Dept Pub: Works
Madras.

Dated 12th Oct 1866.
Rec.

Memorandum showing details of all Maintenance Grants of Roads &c entered in Part III of Budget of 1867/68 required in para 5 of G.O. No: 2915 of 4th Oct 1865.—

From 12 Dec 1866 L 1241.

7th Dn. D. P.W. Malabar District

Part III

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Detail of Estimates for Repairs for 1867/68.

Items		Estimates 1867/68 Amount	Total	Estimates 1866/67 Amount	Total
Military					
Malabar District					
Cannanore	Minor repairs to buildings	7,900		7,900	
	Cantonment Roads	1,000		1,000	
Calicut	Minor repairs to buildings	3,100		3,100	
Total Military			12,000		12,000
Civil Buildings					
Malabar District					
Cannanore	Minor repairs not exceedings 2,500 Rs each	1100 ~~1300~~ 1100		1,000	
Calicut	Do	~~1300~~ 1300		1,000	
Palgaut	Do	~~1300~~ 1300		1,000	
North Wynaad	Do	900		900	
South Wynaad	Do	900		900	
Nutterry	Do	300			
	Do to Police buildings	~~400~~ 1000		400	
Total Civil. Buildings		~~6400~~ 6300 ~~6400~~ 6300	5,200	5,200	
		1100			
Agricultural					
Minor repairs to Tanks &ca		1,350	1,350	1,350	1,350

Abstract of the Grant proposed for all Repairs to be disbursed by the Public Works Department.

Main Heads.	Imperial	Local	Total.
Military	12,000	-	12,000
Civil Buildings	6,400	-	6,400
Agricultural	1,350	-	1,350
Communications	76,867	-	76,867
Miscellaneous Public Improvements	600	-	600
Total	97,217	-	97,217

Supg Engr's Office 7th Dn
Coonoor 12th October 1866

Major
Exes Supg Engr 7th Dn

Items.	Estimate 1867/68 Amount	Total	Estimate 1866/67. Amount	Total.
Communications				
Annual repairs to Trunk road No 4 from Cannanore to the Coorg frontier 34 Miles	3,366	.	3,366.	
Annual repairs to Trunk road No 5 from Vellia by Palghaut to Ponany 71 Miles	7,029	.	7,029.	
Do Road from Tamberchery Ghaut to Mysore frontier 40 Miles	3,960	.	3,960	
Do from Cannanore to Mysore frontier by Periah pass to Manantoddy 65 Miles	6,435	.	6,435	
Do from Manantoddy to Gundulor by Sultan's battery 54 Miles	5,346	.	5,346	
Do from Manantoddy to Calicut by Tamberchery Ghaut 60 Miles	5,940	.	5,940	
Do from Mysore frontier at Tippas Kudoo by Karkoor Ghaut to Areakode 60 Miles	5,940	.	5,940	
Do from Calicut to Palghaut by Mulliapooram, Olunar and Chandoor 60 Miles	7,920	.	7,920	
Do to Coast road from Beypoor to Baliapatam 70 Miles	6,930	.	6,930	
Do to Canal from Cochin to Ponany 66 Miles	5,940	.	5,940	
Do to Roads &c under 2,500 Rs each	14,061	.	14,061	
Discretionary Allowance	1,500	.	1,500.	
Repairs to Travellers Bungalows	2,500	.	500	
Total Communications	76,867		74,867	
Miscellaneous Public Improvement				
Malabar District — Minor repairs not exceeding 2500 Rs	600	-	600	
Total Mis: Public Improvement	600	.	600	

RP

From
The Supg. Engineer
1st Division

To
The Secretary to
Govt
Dept. of Works
Madras.

Dated 12 Oct 5/66
Rec'd
P W 4920/66

Part III
From Dec 1866 L 2441
Details of Estimate
for Repairs for
1867/68.

2nd Division P.W.D.

Malabar

Circle

Detail of Estimate for

Project.

II.

Original Works for 1867-68.

Executive Division No.	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1867.	Estimate for 1867-68.	Remarks or references.
1	2	3.	4.	5	6	7	8.
		I Military.				
Cannanore Div.	1.	Cannanore	Artillery Barracks	82,500.	32,580.	50,000.	Sanctioned vide G.O. No. 2019 of 27th June 1866 Item No. 25 of Budget of 1866-67. Revised Estimate with Abstract &c submitted
— Do —	2.	— Do —	Grand Powder Magazine.	20,700.	13,500.	7,200.	Sanctioned vide G.O. No. 1116 of 11 April 1866. Item No. 31 of Budget of 1866-67.
— Do —	3.	— Do —	New Commissariat Godown.	28,780.	20,000.	8,780.	Sanctioned vide G.O. No. 1321 of 26 April 1866. Item No. 36 of Budget of 1866-67.
— Do —	4.	— Do —	Outhouses to Married Quarters.	11,810.	4,369.	7,441.	Sanctioned vide G.O. No. 1027 of 28 March 1866.
— Do —	5	— Do —	Orderly Room for Officer Commanding, Adjutant, Quarter Masters, & Paymasters Offices.	7960.	"	7960.	Vide G.O. No. 367 of 31st Jany 1866. Plans &
— Do —	6	— Do —	Field Elephant Shed to Contain 15 Elephants	3310.	"	3310.	Estimates sent to the Brigade Office Can
— Do —	7.	— Do —	Constructing a Bullock Shed.	2500.	"	2500.	= nanore with Letter No. 112 of 29 Sep. 1866.
Calicut Div.	8.	Mallapuram	New Cook Room.	3330.	"	3330.	Plan & Est. sent to ditto with ditto No. 122 of 16 Oct. 1866
— Do —	9.	Calicut.	Improvements to Military Buildings	9000.	"	9,000.	In hand.
—	10.	—	Rep.s for Minor Works the Estimated Cost of which does not exceed Rupees 2500 each	—	—	10,000.	
			Total Military	179,130	77,720.	111,410.	

1	2	3.	4.	5	6	7	8.
			II Civil Buildings				
Cannanore	Kye 1.	Cannanore	New Central Jail	2,60,000.	30,000.	1,00,000.	Plans and Estimate sent with Letter No. 80 of 11th July 1866.
Calicut	Kye 2.	Calicut.	New Jail.	80,000.	20,000.	40,000.	Do Do with Letter No. 133 of 3rd Oct. 1866.
Cannanore	do. 3.	Tellicherry.	Sub Collector's Cutcherry.	6600.	"	6600.	Plan and Estimate approved in G.O. No. 371 of 8th February 1865.
Palghaut	Kye 4.	Palghaut	Assist. Collector's Cutcherry.	3210.	"	3210.	Do Do Do Do
Cannanore	Kye 5.	Cannanore	Sub Magistrate's Court & Treasury.	7,000.	"	7000.	Do Do in G.O. No. 3829 of 21st Dec. 1865.
South Wynaad	6.	Goodalore	Sub Magistrates Cutcherry, Treasury, Post Office, with subsidiary Jail.	9,000.	"	9,000.	Called for in G.O. No. 1,329 of 27th April 1866. Ready for submission.
Cannanore	Kye 7.	Cannanore	Salt Golahs to Contain 24,000 Maunds.	19,720.	"	19,720.	Plan & Estc sent to Collector on 9th Oct. 1866.
-	8.	-	Required for Minor Works the Estimates of which does not exceed Rs 2500 each.	-	-	10,000.	
			Total Civil Buildings	3,85,530.	50,000.	1,95,530.	

1	2	3	4.	5	6	7.	8.
			IV Communications				
Calicut and Palghaut Rge	1.	—	Construcing & Bridging Road between Calicut and Palghaut via Mundoor	159658.	150351.	3307.	Revised Estimate sanctioned in b.O. No. 1755 of 4 June 1866 - Item No. 132 of Budget of 1866-67
Calicut Rge	2.	—	Karkoor Ghaut Earthwork &c. below.	32550.	25748.	6802.	Estimate sanctioned in b.O. No. 1543 of 6 June 1865 - Item No. 133 of Budget of 1866-67.
— Do —	3.	—	Construcing Line below Karkoor Ghaut from Mambat to Arracode.	92000.	16235	30000.	Estimate sanctioned in b.O. No. 73 of 11 January 1865 - Item No. 134 of Budget of 1866-67.
— Do —	4.	—	Bridges over the Cheroopoya and Nellumboor Rivers on the Road from Mambat to the foot of Karkoor Ghaut.	54600.	27140.	17460.	Estimate sanct. in b.O. No. 1643 of 6 June 1865 - Item No. 151 of Budget of 1866-67.
d. Wynaad Rge	5.	—	Karkoor Ghaut.	107400.	50117.	20000.	Estimate sanctioned in b.O. No. 3544 of 29 November 1865 - Item No. 141 of Budget of 1866-67
— Do. —	6.	—	Karkoor Ghaut to Goodalore	64086.	23300.	10000.	Do. - Do. in b.O. No. 1807 of 29 June 1865 - Item No. 142 of Budget of 1866-67.
— Do. —	7.	—	Road from Goodalore to Sippacadoo	58388.	36667.	10000.	Do. — Do. — Item No. 143 of Budget of 1866-67.
N. Wynaad Rge	8.	—	Periah Ghaut New Trace.	78000.	36535.	30000.	Estimate sanct. in b.O. No. 1947 of 21st June 1866.
— Do. —	9.	—	Improvt. of the Bawully Road towards the Mysore Frontier	10000.	4500.	5500.	Transmitted from Mysore. G.O. No. 1645 of 23d May 1866 - Trace in progress - Estimate in hand.
Vythery Rge	10.	—	Tambracherry Ghaut	146413.	108561.	37852.	Estimate sanctioned in b.O. No. 1301 of 12 May 1865 - Item No. 135 of Budget of 1866-67.
— Do. —	11.	—	Earth Work and Bridges between Lucknoy and Vythery.	25750.	17705	7445.	Estimate sanctioned in b.O. No. 3471 of 17th November 1865 - Item No. 136 of Budget of 1866-67.
			Carried over	828245	502859	178366	

1	2	3	4	5	6	7	8
			Brought forward.	8,28,245	5,02,859	1,78,366	
			IV Communications Cont.				
Cyttary Rge	12		Road between Cyttary and Kulpetty	41,400	23776 30000	19403	Estimate sanctioned in Govt. No. 2347 of 1865 - Item No 137 of Budget of 1866-67.
Do	13		Road from Kulpetty to Sultans' Battery	20,000	7806 8287	12194 11713	Item No. 138 of Budget of 1866-67
Do	14		Do Sultans' Battery to Mysore Frontier	30,000	7000 11809	13000 8191	Item No 139 of Budget 1866-67 - Estimate ready for submission.
Do	15		Bridge over the Kommotte River	16,000	8,000	8,000	Estimate sanctioned in Govt. No. 3471 of 7th Dec. 1865 - Item No 153 of Budget of 1866-67.
Do	16		Kulpetty Bridge	13500	5400	8,100	Do Do Do - Item No 156 of ditto - Estimate ready for submission.
Do	17		Timber Platform Bridge over the Nullah which forms the Boundary between Coyes & Mysore.	5150	2575	2575	Estimate sanctioned in Govt. No. 1842 of 23 June 1866 - x Share of Mysore Government.
Do	18		Bridges between Kulpetty & Sultans' Battery				Plans & Estimates under preparation.
Do	19		Timber Bridge over the Geddatray River between Sultans' Battery & Mysore Frontier	8500	"	8500	
Do	20		Do Do over Cullore do do	11200	"	11200	
Do	28		Do Do over Nozgoo do do	6000	"	—	Plans and Estimates ready for submission & Contract entered into for the Work.
Do	29		Do Do Gunjpaddy pattum do do	4600	"	—	
Do	21		Culverts between Sultans' Battery & Mysore Frontier	18320	"	8320	
Belgaum Rge	22	Cochin	Bridges in the Town of Cochin.	5950	5950	3667	For repayment of the Loan from District Road Fund - Estimate sanctioned in Govt. No. 3369 of 24 November 1866.
N. Arcot	23		Constructing 27 Culverts on the Road from Sonade to Manantoddy.	5800		5800	Estimate sanct. in Govt. No. 1787 of 28 June 1865.
Do	24		Road from Manantoddy to Coorg Frontier 15 miles @ Rs. 2500 per mile.	37,500	"	17,500	Ordered to be entered in Budget vide Govt. 3176 of 5th Oct. 1866.
			Carried over	10,52,257	6,63,366	2,84,332	

1	2	3	4.	5	6	7.	8,
			IV Communications Cont.				
			Brought forward,	1052,251.	563,366.	284,332	
Cann.re Rge.	25	—	Road from Cannanore to Cancarcoonoo.	24,000	3,600.	12,000.	Plan & Estimate sent to Collector on 9th Oct. 1866. + Local (District Road) Fund.
— Do. —	26	—	Reconstructing Roadways of the Coddacund Kodacully and Darmapatnam Bridges on East Road between Cannre & Tellicherry.	12110.	"	6055.	Estimate sent to Collector with Letter No 38 of 8th Oct. 1866.
—	27	—	Required for Minor Works the Estimated cost of which does not Exceed Rs. 2500 each.	"	"	10,000.	
			Total Communications.	1088,361.	566,966.	312,387.	

Abstract of the Grants proposed for all Original Works to be disbursed by Pub. Works Dept.t

Main Heads.	Imperial	Local.	Total.
I Military	111,410	"	111,410.
II Civil Buildings	195,530.	"	195,530.
III Agricultural	"	"	"
IV Communications	312,387.	"	312,387.
V Miscellaneous Public Improvements	"	"	"
Total.	619,327.	"	619,327.

Chief Engineer's Office 4/Dec
Cannor 12th October 1866.

W Hunter Major
Secretary Chief Engineer N. D.

Memo showing Particulars of Lands given enclosed in the
Budget Letter No 25000 Civil Dated 5th October 1865
7th October 1865 Road III Class Kolamai

Communication

Name of Road No from Name of Road No to Estimated Length in Miles Date of Estimate

Palamcottah	Kallidaikurichy	17	0	1864	
Do	Kallidaikurichy	Nellore	4	0	1864
Do	Nellore	Sankaranainarkoil	19	0	1864
Do	Sankaranainarkoil	Kovilpatti	19	0	1864
Do	Kovilpatti	Srivilliputtur	32	0	1864
Do	Srivilliputtur	Sattur	15	0	1864
Do	Sattur	Kallidaikurichy	11	0	1864
Do	Kallidaikurichy	Palamcottah	3	0	1864
			120	0	

Undertaken Contract No 12
Offg Superintending Engr 2nd Dn

Sub Engr 1st Dn
Contractor
20th September 1866

From
The Supdg. Engr
1st Dn.
To
The Secy to Govt
Pub. Wks
Madras
Dated 12th October 1866
Received.

No 4920/66

Detail of Estimate
for Original Works
for 1867/68.

From 14th Dec 1866 to 1241

From,

The Superintending Engr
8th Divn

No.

The Secretary to Govt
PWD

Dated 26th
Rec'd 5 September 1866.

No 2429 1/65

From 11th Dec/65 to 2242

Tinnevelly District

Memo shewing particulars of lump sums entered in the Budget below Rs 1500 each under the head "Communications Repairs"

Tinnevelly District

Part III

Details of Estimates for repairs for 1867/68

	Estimate 1867/68 Amount	Estimate 1867/68 Saved	Estimate 1866/67 Amount	Estimate 1866/67 Saved	
Tinnevelly Military					
Palamcottah Cantonment Rents	310	"	310.		
Tailors Do Do	1,200	"	1,200		
Minor Repairs to Buildings	1200	"	790.		The Grant for the Current year was insufficient
Total Military		2510 ✓		2300	
Civil Buildings					
Tinnevelly					
Minor Repairs to Revenue Buildings	2500		1,500		The Collector would have been glad to have more money spent this year
Do to Cutcherries	4000		2980.		
Total Civil Buildings		8500		7480	
Agriculture					
Tinnevelly					
Repairing Cummadieu Channel	5700		5000		Vide G.O. No 2180 of 23rd October 1865 Estimate will be submitted Included in the Collectors list vide RO 2943 of the 14th Sept/66
Do Murandeu Channel	3500		"		
Minor Repairs to Canals	1500		1624		
Do to Tanks	4500		37200		The Govt have had before them the grant of a large allotment (Vide G.O. No 2240 of 27th October 1865 Calls RO No 2943 of the 14th September 1866
Total Agriculture		19200		5886	
Communications					
Tinnevelly					
Road No 4 via Ettiapooram & Repairs to Shambooly Metalling	19180		19180.		19th August 1861 No 1576
Do No 8 from Palamcottah to Courtallum Do Do	2270		2670		Estimate will be submitted for Rebuilding 4 more arches expected to be completed this year
Carried over	224650	90210	21850	68225	

	Estimate 1867/68.		Estimate 1868/69.	
	Amount	Credit	Amount	Credit
Brought forward	22450	90210	21850	68238
Kandy Roads from Pallekelle to Peradeniya Repairs of	2610		2610	
Do from Colombo to Kandy Do Do	2560		2560	
Do from Kandy to Badulla Do Do	1200		1200	
Do from Kandy to Matale Do Do	1620		1620	
Kandy Road No 6 from Kandy to Hanwella Do Do	2520		2520	
Minor Repairs to Roads	1320		1320	
Do to Peradeniya Bungalow	100		100	
Total Communications		69560		62658
Miscellaneous Public Improvements				
Kennelly Minor Repairs	500		100	
Total Miscellaneous Public Improvements		500		100
Grand Total		156253		130927

There are no demands for any new services this year. The provision of only 100 Rs is required.

Supt Engrs Office 8th Dec 1866

Asst Surveyor

Courtallum 26th September 1866

Captain R.E.

Offg Superintending Engr S.D.

Madura

Memo showing particulars of Item to be entered in the Budget below Rupees 2500 Vide para 5 of G.O. No 2919 dated 31st October 1865.

Part III for Repairs

Communications

Maintenance to Road from Negombo to Wennappuwa Via Wattala	1326	
Do to Do from Grenadier Pass Via Kotahena to Do	2620	
Do to Do from Cotta Road by Via Wirimoggahawatte	820	
Do to Do from Peraccaluwa Via Bambaranagalla to Pulugu	607	
Do to Colombo Kandy Road to Ambepussa	1661	
Do to Salt branch Road from Moratuwa to Wattala	1206	Estimate under letter from G.O. No 2008 of 26th June 1866.
Do to branch Salt Road to Mutwalgoda	818	
Do to branch Salt Road to Wattala	110	
	8595	

13 & 7%
£ 326 5s

Dissn Asst Engrs Office
Courtallum 26th Novr 1866

Assistant Engr

Capt R.E.,
Offg Superintg Engineer 8th Division

Dimbulla

8th Division

From
The Superintending Engr
8th Division

To
The Secretary to Govt
Colombo

Dated 26th September 1866.
Recd

G.O. No 2921 dated 31st October 1865
From Madura Dist No 2 242

Dimbulla District

Part III

Details of Estimates
for Repairs for 1867-68.

Madura District

Part III

Detail of Estimates for repairs for 1867-68

	Estimate 1867-68. Amount	Estimate 1867-68. Total	Estimate 1866-67. Amount	Estimate 1866-67. Total	
Military					
None					
Civil Buildings					
Madura - Minor Repairs to	3300		3300		
Revenue &c buildings	2000		1000		The Collector would be glad to have much more money spent if available.
do to Salt pans &c	375		350		
Total Civil Buildings		5300		4300	
Agricultural					
Minor Repairs to Canals	11732		11732		The Collector is anxious to have the many works out of repair attended to
do do to Tanks	6428		22562		
Total Agricultural		72160		34294	
Communication					
Madura					
Trunk Road No 4 to Madras via Trichinopoly and Madura from Tinnevelly & Quilon — Repairs &c to metalling	✓		15225		
	16920		16920		18th January 1864 No 183
do Continuation from Ammamiac Kenoor to Madura — do do	✓		3150		
	3840		3840		do.
	20760	77460	20760	38594	

To

The Superintending Engr

&c Division

Sir,

I have the honor to be

Sir

Your most obedient

humble Servant

Date 8th Sept 1866

Rec'd 3rd September 1866

Forwarded

From 14th Dec 66 No 2242

Madura District

Memo showing particulars of lump sums entered in the Budget below Rs 2500 each under the head "Communication Repairs"

	Estimate 1867-68 Amount	Estimate 1867-68 Total	Estimate 1866-67 Amount	Estimate 1866-67 Total	
	2076	7746	2076	38594	
Road from Sayalgoody to Madura — Repairs & Stone Metalling	423		4230		18th January 1864 No 183
Do — from Tenady via Cottampatty to Dindigul — Do Do	5400		5400		Do
Do — from Tenady via Shevagunga to Madura — Do Do	6220		6220		Do
Do — from Ramnad to Madura — Do Do	4740		4740		Do
Do — from Trunmungalum via Ammianaie Kenoor to Pulney — Do Do	3940		2040		5th October 1864 No 2265 The additional sum of Rs 1900 is asked for on account of 9½ miles expected to be finished in the current year. The item mentioned above Rs 2040 was included in this, for the current year. The roads generally are in want of so much repairs, that the large sum 20000 Rs is put down
Minor Repairs to Roads &c &c	20000		17582		
Do — to Travellers Bungalows	700		700		
Total Communication		65990		61972	
		143450		100566	

	Estimate 1867-68 Amount	Estimate 1867-68 Total	Estimate 1866-67 Amount	Estimate 1866-67 Total	
		143450		100566	
Miscellaneous Public Improvements Madura.					Casual demands are very likely to exceed the small sum 100 Rupees.
Minor Repairs	300		100		
Total Mis. P. Improvement		300		100	
Grand Total		143750		100666	

Superintending Engineers Office 8th Constantine 26th Septr 1866

Alex Sandys Captain R.E.
Offg Superintending Engineer
2nd Division

1st Division

From,

The Superintending Engr

1st Division

Dept

The Secretary to Govt

P.W.D.

Dated 26th

Recd 5th September 1866.

P.W.D. 4921/66

Proc. 11th Dec. 66 No. 1242

Madras District

Part III

Details of Estimates

for Repairs for 1867-68.

Madura Park

Detail & Estimate for Original works for 1867/68

Progress.

Division C.

III

Executive Division	No.	Locality	Description		Amount of Estimate	Expenditure up to 31st March 1867	Estimate 1867/68	Remarks or preference
			Civil	Buildings				
1st Class Range Office	2	Madura Do.	New jail Principal and Servants Cells	on Arcade & Court	27,500	9000	13,000	Est. C.C. No 1998 dated 25th June 1866 Estimate is under preparation ~~C.C. No [illegible] dated [illegible]~~ ~~1866 Estimate is under prepa-~~ ~~ration~~
3d. Range	3		Filling up the Gaol Compound	Square, pilo &c	4410		4410	Estimate was forwarded to Govt with letter No 1986 dated 2d September 1865 & ordered to be entered in the Budget in G.O. No 2966 dated 7th October 1865
3d. Range	4	Periochooly	Sub. Magistrates Cutcherry & Subsidiary Jail		2750		2750	Sanctioned in G.O. No 3834 of 24th December 1863.
3d. Range	5	Moodoocolatore	Do.	Do.	2750		2750	
2d. Range	6	Velacottah	Do.	Do.	2750		2750	
2d Range	7	Chunnamanoor	Do.	Do.	2750		2750	
						39,000	63410	

Executive Division	No.	Project	Description	Amount Estimated	Expenditure up to 31st March 1864	Estimate 1864/65	Remarks or References
					39,000	63,440	
2d Range	8	Vadasmudoor Sub Cutcherry	Magistrates Cutcherry & Subsidiary Jail	2750	"	2750	Sanctioned in GO No 3834 of 24th December 1863.
			Works the estimated of which does not Rs 2500 each			2000	Increased amount to provide against transfers being necessary from repair funds.
			Total Civil Buildings		39,000	68160	
			Agricultural Works the estimated of which does not Rs 2500 each			3000	Many minor works are laid aside for want of funds.
			Total Agricultural			3000	
			Communications from Veeramungalum Dubrey up to Cairn = boundary	165,000	34,040	25,000	Sanctioned in G O No 3453 of 25th November 1863 [illegible] 145
1st & 2d Ranges [illegible]	9						

Executive Division	No.	Locality	Description of Projects		Amount Estimated	Amount Contributed by Municipalities & Private Parties	Amount Estimated for 1866/67	Remarks or References
						34040	25000	
2d Range	10		Railway Circar to	feeder from Dindigul	✓	"	10,000	Authority was given for entry in the Budget of 1867/68 Vide G.O. No. 2777 dated 1st Sept. 66
3d Range	11		Constructing to Dindigul	Road from Sondy	✓ 7080	"	10,000	Vide P.O. No. 3061 & 3084 dated 14th & 17th October 1865
3d Range	12		Do. Do. to Ramnad	from Madura	✓ 60,500	"	10,000	Do. Do.
3d Range	13		Constructing to Sondy	Road from Madura	✓ 51,600	"	10,000	Vide P.O. No. 3061 & 3084 dated 14th & 17th October 1865
3d Range	14		Do. branch Viraraviram to	Road from Thapatkaud Salt Golah to Mauamadura	✓ 20,500	"	10,000	Do. Do.
3d Range	15		Constructing Segmental Bridge on	a Bridge of 5 arches over the Road No 8	✓ 10,700	"	5000	Estimate forwarded to Govt. with Letter No. 883 dated 6th Sept. 66 and Sanctioned in GO. No. 2984 of the 18th September 1866.
3d Range	16		Do. at	Bridge of 3 Segmental arches over Nullah ½ Mile North of Goondaur	✓ 2600	"	2600	Do. Do. Do.
			Minor Contingencies not exceeding Rs 2500	Works the estimated cost of which does not exceed Rs 2500 each	✓		2000	There are Estimates Constantly required, but the funds do not admit of them.
			Total	Communications		34040 ✓	84600 ✓	

Executive Division	No.	Projects. Localities	Miscellaneous	Description	Amount of Estimate	Completed expenditure to 31st March 1866	Estimate 1866/67	Remarks or References
				Public Improvements				
Paumben Range	17	Paumben	Cutting 3 feet	Inner Angle of Channel at Paumben	£ 14,280	28003	7000	G.O. No 2126 dated 3rd Septr 1862 Budget of 1866/67 No 161.
Do.	18	Do	Deepening from 12 to	the Paumben channel 14 feet at low water	22810	"	5000	Estimate sanctioned in G.O. No 721 of the 2nd March 1866.
			5 Feet	Miscellaneous Public Improvements		2.8003	12000	
				Grand Total	101943	16,760		

Supt Engr's Office 2nd Dr.
Courtallum 26th September 1866.

Asst Superintending Engineer 2nd Dr.
Offg Superintending Engineer 2nd Dr.

5th Division.

From
The Superintending Engr
5th Division

To
The Secretary to Govt
of India

Dated
Recd 3rd September 1866.

P W 492/66.
From 14th Dec 16 to 1867 242.

Madras Dist.

Part II.

Details of Estimates for
Original works for 1867-68.

Tinnevelly Dist.

Part II

Detail of Estimate for Civil Buildings & Original works for 1867/68.

Projects

Executive Division	No.	Locality	Description	Amount of Estimate	Computed excess if any over Estimate of 31st March 1867	Estimate 1867-68.	Remarks or References
			Military				
			None				
			Civil Buildings				
1st Range	1	Tuticorin	Additions & improvements to Public Offices	6900	"	6900	Estimate ordered to be revised vide P.O. No 3705 of the 7th December 1865. The Collector has sent the Estimate to the Revenue Board. -
2d Range	2	Sattancoolam	Erecting Taluq Cutcherry	11300	"	11300	Vide G.O. No 2 dated 2d January 66
1st Range	3	Tiruchendoor	Constructing a Taluq Cutcherry	11260	"	11260	Vide G.O. No 2758 dated 19th Sept 65
4th Range	4	Vadoopuddy	Constructing Cutcherry with Sub.	Sub Magistrates Police Station house & Library Jail	2750	"	2750	Sanctioned in GO No 3820 of 24th December 1863 -
Do	5	Vilathicolam	Do	Do Do	2750	"	2750	
Do	6	Kytaun	Do	Do Do	2750	"	2750	
1st Range	7	Coolacagariapatam	Constructing a Sea Custom house		2700	"	2700	Sanctioned in G.O. No 658 of 9th March 1865
1st Range	8	Palamcottah	Constructing	New Jail		"	20000	Estimate in preparation
							60410

Carried at 4 Rs each — 16 — 1 — 192 —

Executive Division	Project No.	Locality	Description	Amount of Estimate	Completed exp. up to 31st March 1867	Estimate 1867-68	Remarks or Reference
						6040	
			Minor Works the estimated cost of which does not exceed Rs 2500 each	"	"	1200	Increased amount to provide against transfers being necessary from repair fund
			Total Civil Buildings			61610	
			Agricultural				
			Minor Works the estimated cost of which does not exceed Rs 2500 each	3000	"	3000	Many minor works are laid aside for want of funds
			Total Agricultural			3000	
			Communications				
1st Range	9		Road No 8 from Palamcottah to Tuticorin	130,000	54115	25,000	G. O. No 3733 dated 17th Dec 1863
1st 4th & 5th Ranges	10		Road No 4 from Madura to Aram. Via Tinnevelly	30000	18562	11,438	GO. No 3661 dated 11th December 1863.
4th Range	11		Reconstructing a portion of 1st & whole of the 2nd Miles of the Tinnevelly Cotton Road from Tuticorin & for metalling and improving the 5th & 6th Miles of the same Road	11700		6000	G. O. No 3398 dated 13 November 1865
						71677	42438

Executive Division	Project No.	Locality	Description	Amount of Estimate	Completed 31st March 1867	Estimate 1867-8	Remarks & References
					72677	124388	
4th Range	12		Widening the Salt Road from the Adsaddy Salt platforms	3500	"	3500	G.O. No 1676 dated 16 June /65
4th Range	13		Widening &c the Road from the Salt tracts at Kanapad	14300	"	7000	do do
1st Range	14		Widening & improving the Salt Road from Nullor to the Armogahery Salt pans	3650	"	3650	do do
			Minor Works the estimated Cost of which does not exceed 2500 each			2000	These are estimates constantly required, but the funds do not admit of them -
			Total Communications		72677	58588	
			Grand Total.		72677	123198	

Supt. Engrs Office 8th Dn
Camp at Cuttack 26th September 1867

Hew Vanderfast Captain R.E
Offg Superintending Engineer
8th Division

Carried at 4 Rs each 11 " " 192 "

To
The Superintending Engr.
S. Division

&c &c

The Secretary to Govt. P.W.D.

Dated 26th September 1866.

No 2771

Office of the Controller of Public Works Accounts.
Madras, 23rd November 1866.

From,
The Controller of Public Works Accounts.

To,
The Secretary to Government. P.W.D.
Fort Saint George.

Sir,

I have the honor to forward herewith the Budget Estimate of Establishments (part II) of this Department for the year 1867-68, and to offer the following explanatory remarks accounting for the increased provision made in it under certain heads.

Encls 4 Statements

2. The total Estimated charge for Imperial Establishments (excluding Conservancy) amounts to Rs. 18,48,524 and including the Conservancy Establishments for the Districts only in which these are under the Public Works Officers, the total amounts to Rs. 19,17,215.-

Imperial. 1848524.
Conservancy. 6869 1.
Rs 1917215.

x Godavery. Kistna. South Arcot. Trichinopoly.

3. The Estimate prepared in this Office for Imperial Establishments of 1866-67 amounted to Rs. 1816356 and comprised with Rs. 1848524, the total of that now forwarded shews an increase of Rs. 32168, but the former was reduced to Rs. 1745854 by this Government diminishing Rs. 60000 out of the provision for Travelling Allowances and by the Government of India objecting to Rs. 10200 on account of the Salary of Mr. Christopher Horne as Superintending.

No 2492/66
From 12 Oct 66 Ld 242.-

Triennially Districts

Part II

Details of Estimates for Original works for 1867-68.-

4. Compared therefore with the sanctioned Budget Estimate of Rs. 17,45,854, an excess of Rs. 102690 is apparent in the present Estimate, owing, first to the provision for Travelling Allowances being made in this Office to the same extent as it did in last year, leaving it to the Government to diminish any portion of it which may be held as unnecessary. The other item of excess is on account of the provision for temporary Establishments having been increased from Rs. 20,000 to Rs. 60,000 to admit of the entertainment of the large Establishments for the investigation of projects sanctioned in G.O. 24th October 1866 No. 3432.

5. In making an Estimate of the probable outlay on Travelling Allowances, I must necessarily calculate the allowances for each Officer and Subordinate at the authorized daily rates in the same way as Salaries are drawn, without making any deduction for sums likely to be short drawn on account of halts, absence, and other causes which though they will bring about a diminution of charge, have to be set off against special charges viz: Mileage Allowances for journies above 20 miles and for charges on account of Transfers from one charge to another. Passage Money, outfit Allowance, and other special grants frequently ordered by Government to be worked off the Saving under these heads, which Savings can accrue only from the sums short drawn owing to Absence, halts &c.

6. It is probable, that there will not be any large Saving under the head Travelling

Travelling Allowances in next year, for the expenditure on works, is to be increased by a larger grant for new works and there will be greater need for thorough and frequent inspections which will necessarily tend to increase the charge and under the recent rulings whereby Upper Subordinates claim full travelling allowance for all halts with other exceptional grants, it is, I consider safe to assume the estimate as prepared for last year.

7. I may here take occasion to notice a remark made by the Accountant General P.W. Department, in his report on the Public Works Budget of all Presidencies and Governments for 1866-67 respecting the Estimated charge for Travelling Allowances for the current year. That Office draws attention to the apparent increase in the grant for this year and this increase is noted, notwithstanding that the Government had reduced the Estimate of this Office by as much as Rs. 60,000; but he has apparently lost sight of the fact, that the increase is owing to the system of fixed travelling Allowances which was adopted in this Presidency since July 1863, with a view to both economy in outlay, and to the better satisfaction of all Officers and Subordinates of the Department, having been ordered to be discontinued and substituted by the present rates of Variable allowances commencing from October 1865. In 1862-63, when the present system

* Published in the Supplement to the Gazette of India dated 20th October 1866.

system of variable allowances was in force, the total charge for the year amounted to as much as Rs. 1,94,669, while in the year 1864-65 when the plan of a fixed Travelling Allowance was fully in operation only Rs. 1,40,899 were spent but in the next year (1865-66) in which the change was made in the middle of it, the release of charge was immediately perceived, for the total amounted to Rs. 16,119, and the probability is, that for the ensuing year, more than the grant for the current year will be spent, the amount of Bills actually passed for three months of this year amounting to Rs. 48,250.

8. Invalid also here notice, the remark made in para: 4 of the letter from the Secretary to the Government of India No. 850 dated 12th September 1866, that the total charge for this head of Service, viz Establishments is higher in Madras than in Bengal. To this letter is attached a Statement, which shews that the cost of the Bengal Public Works Establishment for 1866-67 is only Rs. 1,62,690, of which Rs. 24,690 are charged to Local funds and Rs. 16 lacs to Imperial; but a reference to para: 22 of the review of the Government of India on the Bengal Budget for 1866-67 published with the Resolution of the Government of India, dated the 2d April 1866 will shew that the total estimated cost of the Bengal Public Works Establishments

In G.O. 25th October 1866 No. 3408.

Establishments for 1866-67 including the Local branch portion of it, exceeds 17½ Lacs of Rupees while the like charge for this Presidency for the same year is put down at Rupees 17,56,654 including the Local fund Branch. A comparison also of the figures put down for the Account Offices in the two Presidencies will shew, that here the cost is nearly 50 per Cent less, while this Office has to keep Accounts with 91 Ranges and the Bengal Office has only 35 Divisions or Ranges to keep like Accounts with. It may probably be, that the outlay there is of a larger total sum; but as remarked in Major Cheney's report, it is to be noted, that the outlay here, is scattered throughout a large area on numerous small works, and not as in Bengal on large works with corresponding large sums disbursed at a time, which facilitates a larger expenditure with ease by a smaller Establishment as also a quicker audit of the same.

Bengal.	1,16,936.
Madras.	60,840.
Excess in Bengal.	56,096.

9. The Estimate of Public Works Revenue will be forwarded in a few days, as this Office is drawing up an account of the average receipts in the current year, so far as the Accounts have been received, to make the Estimate as correct as possible.

10. For petty Establishments Rupees 1,80,000 have been entered as in last year and for Conservancy Establishment, the

reduced

reduced charge after deducting the transfers ordered in G.O. 31st October 1866 No. 3458 is provided for.—

I have the honor to be
Sir,
Your most obedient Servant.

Captain. R.E.

Controller of Public Works Accounts.

Compd: J.T.M.

From. The Controller of P.W.
To. Accounts.

The Secretary to
Government of P.W.
Fort Saint George.

Dated 23d November 1866.
Rec'd 5 Dec 66

No. 2771 Encl 1

Forwarding the
P.W. Budget Estimate of
Madras Circuit for 1867-68
&c. counting at the same
time for the increase in
the total of the present
over the last Budget.

243

3938 to 3939 - 11th Dec 66

Part IV.

Detail of Estimate for Establishment for 1867.68.

Number 1866.67	Number 1867.68	Particulars	Salary of Office	Estimate 1867.68 Rs. Per Mensem	Rs. Per Annum	Rs. Total	Estimate 1866.67 Charges per Annum
		Direction					
		Office of Secretary					
1	1	Secretary to Government	2500	2500	30000	"	30,000
1	1	Under Do to Do	600				
		Military Pay	294	894	10728	"	10,728
34	34	Clerks from Rs 20 to 500		2470	29640	"	29.640
18	18	Office Servants		138	1656	"	1656
						72024	72024
54	54.						
		Residency House rent for Under Secretary		60	720		
		Personal Allowance for 2d Convenanted Assistant		50	600		
		Office Expenses or contingencies		100	1200	2520	1800
						74544	73824

Number 1866.67	Number 1867.68						
		Superintending Engineers					
4	4	Supg Engineers 1st Class	800	3200			
4	4	Do 2d Do	700	2800			
				6000			
		Add for 4 Superintending Engineers not yet absorbed into 2d Class		400			
				6400	76800	"	76800
8	8	Carried over			76800		76800
		Carried over				74544	73824

Number 1866.67	Number 1867.68	Particulars	Salary of Office Per Mensem	Estimate 1867-68 Per Annum	Total	Estimate 1866.67 Charges per Annum
		Direction (continued)				
		Brought over			74,544	73824
		Sh.q Engineers (continued)				
8	8	Brought over			76800	76,800
		Military Allowances				
		of 1 as Colonel of Engineers 961.				
		—Do— Do— of 3 as				
		Lieut.Col: of Engineers				
		at Rs 759 each			2277	
		—Do— Do— of 2 as				
		Majors of Engineers				
		at Rs 577 each			1154	
		—Do— Do— of 2 as				
		Captains of Engineers				
		at Rs 294 each	588	4980	69760	69,948
72	75	Clerks from No 30 to 200		4515	54180	53280
8	8	Draftsmen at Rs 60 ea		480	5760	5760
180	80	Office Servants		604	6048	6048
168	171				202548	211836
		Office rent at Rs 50 ea for 8 Sh.q Engineers		400	4800	4800
		Travelling Allowance at 6 Rs per diem for each			14400 ~~17280~~	14100
		Batta for Office Establ.t			3741	3741
		Contingencies at Rs 30 each for 8 Superintending Engineers		240	2880	2880
					25824 ~~28704~~	25824
		Total for Direction			~~231262~~ 237660	
					~~305746~~ 311484	

Number 1866.67	Number 1867.68	Particulars	Salary of Office Per Mensem	Estimate 1867-68 Per Annum	Total	Estimate 1866.67 Charges per Annum
		Construction (continued)				
		Brought over			12050	90478	89718
559	555					
24	24	Clerks and Lascars from No 7 to No 40 for Special Establishments			412		
174	174	Tomandahs at Rs 15			2610		
348	348	Lascars at Rs 6			2088		
1105	1101				17160	205920	207264
		Temporary Establishments			~~50000~~		20,000
						265920	227264
		Lithographic Department				
20	20	Draftsmen & Servants from Rs 12 to Rs 350			1018	12216	12216
		Office Contingencies			50	600	600
						12816	12816
		Presidency Store Depart.				
		Public Works Stores				
1	1	General Superintendents	660	660	7920		7920
4	4	Clerks from Rs 25 to 200		335	4020		4020
15	15	Office Servants		93	1116		1116
		Workshops					
1	1	Mathematical Instrument maker including Apprentice Allowances &c	350	350	~~4200~~ 4120		4200
2	6	Apprentices at Rs 25 ea	150		1800		600
1	1	Foreman		90	1080		1080
4	4	Clerks from 15 to 55 Rs		150	1800		1800
2	2	Peons		14	168	14024	168
30	34	Travelling Allowances and batta to Office Establ.t			18156 ~~22670~~ 24520		20904 ~~20440~~ 204438
		Contingencies			10920		10920
						272180	215358
		Total for Construction			1428641	1477726	1373530

card at 4 Rs each 16 " " 192 "

Number 1866.67	Number 1867.68	Particulars	Salary of Office	Estimate 1867.68 Per Diem	Per Annum	Total	Estimate 1866.67 Charges for Annum
		Accounts					
1	1	Controller of Accounts 1st Class — 800					
		Military Pay as Captain of Engineers — 294		1094	13128		13128
1	1	Deputy Controller — 300					
		Military Pay as Lieut. of Engineers — 196		496	5952		5952
1	1	Accountant 1st Grade		400			
1	1	——— Do 2d do		225			
2	3	——— Do 3d do	150	450			
7	6	——— Do 4th do	110	660			
4	5	——— Do 5th do	80	400			
21	21	Assistant Accountants		2135	25620		23760
		from No. 30 to 60		935			
11	10	Clerks from 15 to 25 No.		205			
				1140	13680		14580
12	12	Office Servants		75	900		900
61	67					59280	58320
		Residency House rent		100	1200		
		Travelling Allowances			600		1320
		Contingencies			600	2400	600
						3720	2520
		Total for Accounts				63000	60840
							61680

Number 1866.67	Number 1867.68	Particulars	Salary of Office	Estimate 1867.68 Per Diem	Per Annum	Total	Estimate 1866.67 Charges for Annum
		Construction					
		Engineering Establishment					
5	5	Executive Engineers 1st Grade	900		4600		
6	6	——— Do 2d do	750		4500		
7	7	——— Do 3d do	600		4200		
8	8	——— Do 4th do	500		4000		
					17200	206400	206400
9	9	Assistant Engineers 1st Grade	400		3600		
17	17	——— Do 2d do	300		5100		
					8700	104400	104400
2	3	Supernumerary Vacancies			741⅔	8900	
		Officers			~~960~~	~~11400~~	9000
0	1	Deputy Controller			900	10800	
1	1	Barrack Master			185	2220	2220
		Military Pay and Allowances			4583⅓	55000	60000
					~~5440~~	~~65000~~	
						387	
						384420	382020
55	57	Residency House rent			195	2340	2340
		Upper Subordinate Establt					
4	4	Sub Engineers 1st Grade	400		1600		
3	3	——— Do 2d do	300		900		
7	7	——— Do 3d do	250		1750		
15	15	Inspervisors 1st do	200		3000		
26	26	——— Do 2d do	150		3900		
187	187	Taleq Cuvaees ~~No 60~~	60		14575		
			100		~~18220~~		
					25885	307750	
					22370	268440	268440
242	242						
2	2	Mechanical Engineers	950		333⅓	11400	9380
		Military Pay & Allowances			~~350~~	~~42000~~	42000
						321940	319820
		Residency House rent			70	840	840
		Carried over					709440	701840

Number 1866.67	1867.68	Particulars	Salary of Office	Estimate 1867.68 Per Annum	Total Charges
		Construction (continued)			
		Brought over			709440
		Lower Subordinate Establishment			
		None.			
		Petty			
		Petty Establishment			
10	10	Pariahs Establishment		150.000	
49	49	Indentured Apprentices		1056	
		50 per centum increase to Mahaad Officers		5892	
59	59			700 5400	195348
		Range Office Establishment			
54	54	Accountants for 1st Class Ranges from R 30 to 60 ea		2430	
20	20	Do for 2d Do at R 50 ea		1000	
70	70	Do for 3d Do from R 20 to 40 ea		2100	
144	144				5530
18	16	Accountants for the Presidency, Bangalore and Nalgherry Ranges from R 25 to 60		735	
162	160				6265
87	87	Clerks from R 15 to 40		1736	
52	52	Draftsmen from R 40 to 80		2160	
258	256	Peons & Lascars		1786	
		50 per cent increase for Mahaad Range Office		104	
555	555	Carried over		12950	904788 897188

Abstract of the foregoing Charges for Establishments.

Heads.	Salaries	Travelling Allowances	Contingencies	Total 1867.68	Total 1866.67
Direction	275172	18144 21024	9600	302916 305796	311484
Construction	1233688	181253		1414941	1343530
Accounts	59280	600 1920	1800	61680 63000	60840
Total	1567140	200000		1779240	
	1548220	184204	26100	1648524	1745864
Conservancy				68691	82196
Grand Total	1548220	284204	26100	1861524 1917215	1828050
	1567140	200000			
Distribution of charges Imperial				1815224	1787494
Local				46707	40556

Capt R E

Office of the Controller of P.W. Accounts
Madras 23 November 1866

Controller P.W. Accounts.

23	Executive Engineers except 2 at the Presidency and 1 at Bangalore at 5 Rs per diem /30 days in a month/		41,400
25	Assistant Engineers excluding 1 at Bangalore at 4 Rs per diem ____ Rs ____		36,000
2.	Supernumerary Officers at 4 Rs per diem ____ Rs ____		2,880
	Conveyance Allowance for 4 Officers at the Presidency including Mr Chisholm and 1 at Bangalore at Rs 60 ____		3000
			83,280
13	Sub Engineers at 3 Rs per diem except at Presidency /30 days/ ____	14,040	
41	Supervisors at 2 Rs per diem except at Presidency /30 days/ ____	29,520	
179	Taluq Overseers omitting 8. at Presidency & Bangalore at 15 Rs ____	96660	
	Horse Allowance for 1 Upper Subordinate & 8 Taluq Overseers at 30 Rs ____	3,240	
			143,460.
	Travelling Batta & Office Establishment ____		34,520
	Total Rs		261260

Office of the Controller of P.W. Accounts
Madras 23 November 1866.

Capt R. E.
Controller of P.W. Accts

cars at 4 Rs each

Enclosure Letter from the Controller P.W. Accounts to the Secy to Govt P.W.D. dated 23rd Novr 1866. No 2551

Dy No 15649 / 66.
Ans'd Decbr 4 1866

Detail of Establishments for Establishments for 1867/68.

The Controller of Public Accounts
to the Secretary to Government
Dy. P.W. dated 23 November
1868 No. 2371

Appendix A.

Distribution of Establishment 1866/67.

— 189 —

Division or Office.	Secretary.	Supt. Engineer.	Executive Engineer.	Asstt. Engineer.	Apprs. Subordinate	Sewer — Do. —	Accountants &c.	Clerks.	Draftsmen	Cashier	Duftries.
Secretary and Deputy	2.	"	"	"	"	"	"	34.	9.	"	29.
1st Division.											
Ganjam.	"	"	1.	"	7.	"	6.	6.	1.	"	15.
Vizagapatam.	"	1.	1.	1	5.	"	6.	13.	2.	"	21.
Godavery.	"	"	2.	1.	14.	"	10.	15.	4.	"	36.
2d Division.											
Kistna.	"	1.	2.	2.	15.	"	13.	24.	6.	"	53.
Nellore.	"	"	1.	"	12.	"	6.	13.	3.	"	30.
3d Division.											
Cuddapah.	"	"	"	2.	14.	"	8.	15.	2.	"	34.
Bellary.	"	1	"	2.	21.	"	12.	31.	3.	"	60.
Kurnool.	"	"	1.	"	11.	"	6.	11.	1.	"	26.
4th Division.											
Presidency.	"	1.	1.	1.	6.	"	12.	16.	4.	"	26.
Madras.	"	"	2.	1.	11.	"	6.	13.	3.	"	30.
North Arcot.	"	"	"	2.	14.	"	10.	14.	3.	"	33.
5th Division.											
Salem.	"	1.	"	2.	11.	"	5.	21.	3.	"	37.
South Arcot.	"	"	1.	1.	11.	"	7.	12.	2.	"	28.
Bangalore.	"	"	2.	"	4.	"	3.	4.	1.	"	8.
6th Division.											
Tanjore.	"	1.	2.	2.	15.	"	8.	26.	5.	"	50.
Trichinopoly.	"	"	2.	"	9.	"	8.	11.	1.	"	26.

7th Division.											
Coimbatore.	"	1.	1.	5.	16.	"	11.	28.	5.	"	
Malabar.	"	"	1	1.	14.	"	6.	15.	4.	"	
South Canara.	"	"	"	1.	8.	"	6.	8.	1.	"	
8th Division.											
Madura.	"	1.	1.	1.	10.	"	5.	18.	3.	"	
Tinnevelly.	"	"	"	2.	14.	"	8.	14.	3.	"	
Mechanical Engineer.	"	"	"	"	2.	"	"	"	"	"	
P.W. Stores.	"	"	1.	"	1.	1.	"	8.	"	2.	
Controller's Office.	"	"	1.	1.	"	"	37.	10.	"	"	
Total.	2.	8.	26.	28.	245.	1.	199.	383.	69.	2.	

Office of the Controller of P.W. Accounts
Madras 23 Novr. 1866

Controller of P.W. Accounts

List of the Conservancy Establishments under the Department of Public Works.

		Monthly	Annually	
Cuddalore Division				
No 1 Range				
1 Decta Superintendent	70	840		
2 Lascars at 5 Rs each	10	120		
2 Writers at 15 Rs each	30	360		G O No 1281 Dated 21st Novr 1863.
1 Shroff	10	120		
2 Peons at 5 Rs each	10	120		
14 Channel Supttes at 12 Rs each	168	2016		
14 Lascars at 4 Rs each	56	672		
Establishment for distributing water from the Valaroo.				
1 Superintendent at 10 Rs	10	120		
1 Peon at 6 Rs	6	72		
2 Peons at 4 Rs	8	96		
Establishment for distributing water from the Mundapettal Channel				
3 Peons at 6 Rs each	15	180		
Establishment for distributing water from Channels				G O No 1701 dated 29th June 1863.
1 Superintendent at 12 Rs	12	144		
1 —— Rs —— at 10 Rs	10	120		
3 Peons at 5 Rs each	15	180		
15 —— Rs —— at 4 Rs each	60	720		
Establishment for Yarapottanum Lock				
1 Superintendent	6	72		
4 Lascars at 4 Rs each	16	192		
Establishment for Thapaswarum Lock				
1 Superintendent at 8 Rs	8	96		
4 Lascars at 4 Rs each	16	192		
Establishment for Tirsalapoody Lock				Sanctioned G O 14th December 1863 No 3604.
1 Superintendent at 8 Rs	8	96		
1 Lascars at 4 Rs each	16	192		

Received in the Collector's Office on the 25th Novr 1863.

To the Secretary to Government D. D. No dated 23 Novr 1863 No 2221

Rec'd Dec 1st 1863

Voted

Monthly Annually

Navigation Establishment

2	Navigation Superintendents at 50 Rs each	100		1200	
10	Lock Co. at 8 Rs each	80		960	
2	do Co. at 6 Rs each	12		144	
50	Lascars at 4 Rs each	200		2400	
2	do Co. at 5 Rs each	10		120	
				11544	

G O No 1281 of 21st Nov 1853

No 2 Range

Irrigation Establishment

1	Delta Superintendent	70		840	
2	Lascars at 5 Rs each	10		120	
15	Channel Superintendents at 12 Rs each	180		2160	
15	Lascars at 4 Rs each	60		720	

G O No 1221, 21st Nov/53

Establishment for distributing water

1	Channel Superintendent	15		120	
7	Peons, 3 at 5 and 4 at 4 Rs each	31		372	

Establishment for Sullerala Lock

1	Superintendent	8		96	
2	Peons at 4 Rs each	8		96	

Establishment for Nadipadi Lock

1	Superintendent	8		96	
4	Lascars at 4 Rs each	16		192	

Establishment for Mookanasla Lock

1	Superintendent	8		96	
4	Lascars at 4 Rs each	16		192	

G O No 1701, 29th June 1863

Establishment for Ramachendrapuram

Lock

1	Superintendent	8		96	
4	Lascars at 4 Rs each	16		192	

Establishment for distributing water sea

1	Superintendent	8		96	
6	Peons, 1 on 6 and 5 at 5 Rs each	31		372	

Navigation Establishment

2	Navigation Superintendents	100		200	
2	Lascars at 5 Rs each	10		120	
2	Lock Superintendents at 8 Rs each	16		192	
10	do Lascars at 4 Rs each	40		480	
				1040	

G O No 1221 of 21st Nov/53

Monthly Annually

No 3 Range

Irrigation Establishment

1	Delta Superintendent	70		840	
2	Lascars at 5 Rs each	10		120	
13	Channel Superintendents at 12 Rs each	156		1872	
13	Lascars at 4 Rs each	52		624	

G O No 1281 of 21st Nov 1853

Establishment for distributing water & watching banks

4	Superintendents at 10 Rs each	40		480	
19	Peons at 4 Rupees each	76		912	

Establishment for Siddanthum

Lock

1	Superintendent at 8 Rupees	8		96	
4	Lascars at 4 Rupees each	16		192	

G O No 1701. 29th June 1863

Establishment for Palcole

Lock

1	Superintendent at 8 Rupees	8		96	
4	Lascars at 4 Rupees each	16		192	

Establishment for Nurrsapore

Lock

1	Superintendent	8		96	
6	Lascars at 4 Rupees each	24		288	

Navigation Establishment

2	Navigation Superintendents at 50 Rupees each	100		1200	
2	Lascars at 5 Rupees each	10		120	
10	Lock Superintendents @ 8 Rs each	80		960	
1	Lock Superintendent at 6 Rs	6		72	
2	Head Lascars @ 5 Rs each	10		120	
44	Lock do @ 4 Rs each	176		2112	
				10392	

G O No 1281. 21st Nov 1853

No 4 Range

Irrigation Establishment

8	Channel Superintendents at 12 Rs each	96		1152	
8	Lascars @ 4 Rs each	32		384	
8	do employed on 4 Coringulah @ 4 Rs each	32		384	

G O No 1281 of 21st Nov 1853

		Monthly	Annually
		Rs As P	Rs As P
	Thummelair Agreement		
2	Lascars at 4 Rupees each	8-0-0	96-0-0
1	Lock Superintendent	6-0-0	72-0-0
2	Lascars at 5 Rupees each	10-0-0	120-0-0
	Yetta Calva Agreement		
2	Lascars at 4 Rs each	8-0-0	96-0-0
1	Navigation Superintendent	50-0-0	600-0-0
1	Lascar	5-0-0	60-0-0
	Ellore Canal.		
1	Superintendent	8-0-0	96-0-0
6	Lascars at 4 Rupees each	24-0-0	288-0-0
	Navigation Establishment		
1	Navigation Superintendent	50-0-0	600-0-0
1	Lascar	5-0-0	60-0-0
			4008-0-0
	No 5 Range		
	Anicut Establishment		
2	Lascars on 5 Rupees each	10-0-0	120-0-0
1	Gunnastah on 18 Rupees	18-0-0	216-0-0
2	Writers on 15 and 7 Rupees	22-0-0	264-0-0
3	Maistries 2 on 14+1 on 12 Rs	40-0-0	480-0-0
3	Lock Maistries on Rupees 8	24-0-0	288-0-0
60	Coolies 20 on 4 and 40 on 3 Rs	200-0-0	2400-0-0
	Irrigation Establishment		
	Look after river banks		
1	Superintendent	15-0-0	*90-0-0
4	Lascars at 6 Rupees each	24-0-0	144-0-0
			4002-0-0
	No 6 Range		
	Irrigation Establishment for distributing water from the tanks in Rajahmundry and Peddapore Talooks		
1	Superintendent at 20 Rs	20-0-0	240-0-0
1	— do — do — @ 10 Rs	10-0-0	120-0-0
2	Lascars at 5 Rupees each	10-0-0	120-0-0

G.O. No 1701 of 29th June

G.O. No 1281 of 21st May

G.O. No 1701 of 29th June

G.O. No 1701 of 21st Nov

G.O. No 1281 of 21st May

G.O. No 1701 of 29th June 1863

* For six months only.

G.O. No 1701 of 29th June 1863

		Monthly	Annually
		Rs As P	Rs As P
	For distributing water from Tanks of Rajahmundry		
1	Superintendent at 10 Rupees	10-0-0	120-0-0
1	Peon at 5 Rupees	5-0-0	60-0-0
	For distributing water from Tanks of Ruttanpilly Talook		
1	Superintendent at 10 Rs	10-0-0	120-0-0
1	— do — do — 5	5-0-0	60-0-0
			840-0-0
			38634-0-0
	Travelling Allowance for the above		2238-0-0
			40872-0-0
	Nizampatam		
	Conservancy Establishment		
	Anicut Establishment		
1	Anicut Superintendent	100-0-0	
2	Lascars at 5 Rupees	10-0-0	
1	Maistry	30-0-0	
1	Gunnastah	12-0-0	
1	Tindal	7-0-0	
8	Lascars at 6 Rupees	48-0-0	
20	— do at 5 Rupees	100-0-0	
2	Lock Gunnastahs at 10 Rupees	20-0-0	
14	— do — Lascars at 5 Rupees	70-0-0	
		397-0-0	4764-0-0
	Irrigation Establishment		
2	Delta Supts at 70 Rs each	140-0-0	1680-0-0
40	Channel Do — at 12 Rs each	480-0-0	5760-0-0
44	Lascars at 5 Rs each	220-0-0	2640-0-0
	Navigation Establishment		
2	Navigation Supts at 50 Rs each	100-0-0	1200-0-0
2	Lascars at 5 Rupees each	10-0-0	120-0-0

G.O. 18th October 1864 No 1910

For

		Monthly Rs. A. P.	Annually Rs. A. P.
	Masulipatam Canal		
	Ram Rajah Lock		
1	Gunnastah	15-—-—	180-—-—
6	Lascars at 6 Rupees each	36-—-—	432-—-—
	Veeramma Lock		
1	Gunnastah	15-—-—	180-—-—
6	Lascars at 6 Rupees each	36-—-—	432-—-—
	Nedemola Lock		
1	Gunnastah	15-—-—	180-—-—
6	Lascars at 6 Rupees each	36-—-—	432-—-—
	Ankamma Lock		
1	Gunnastah	12-—-—	144-—-—
6	Lascars at 6 Rupees each	36-—-—	432-—-—
	Tidal Lock		
1	Gunnastah	12-—-—	144-—-—
6	Lascars at 6 Rupees each	36-—-—	432-—-—
	Buckingham Channel		
	Casanapilly Lock		
1	Gunnastah	10-—-—	120-—-—
3	Lascars at 5 Rupees each	15-—-—	180-—-—
	Palair Channel		
	Pamminitoo Lock		
1	Gunnastah	10-—-—	120-—-—
3	Lascars at 5 Rupees each	15-—-—	180-—-—
	Buntumally Channel		
	Cowleram Lock		
1	Lock Gunnastah	10-—-—	120-—-—
3	Lascars at 5 Rupees each	15-—-—	180-—-—
	Nizampatam Canal		
	Coggerella Lock		
1	Gunnastah	15-—-—	180-—-—
6	Lascars at 5 Rupees each	30-—-—	360-—-—
	Kutchepudy Lock		
1	Gunnastah	10-—-—	120-—-—
4	Lascars at 5 Rupees each	20-—-—	240-—-—

G.O. No. 326 of 19 [illegible]
G.O. No. 1312 of 30 [illegible]
G.O. No. 3443 of 24 [illegible]
G.O. No. 1312 of 13 [illegible]
G.O. No. 303 of 28 [illegible]
G.O. No. 1805 of 28 [illegible]
G.O. No. 2301 of 25 [illegible]
G.O. No. 2772 of 24 [illegible]
G.O. No. 1802 of 28 [illegible]
G.O. No. 3443 of 24 [illegible]
G.O. No. 1312 of 13 [illegible]
G.O. No. 3301 of 25 [illegible]
G.O. No. 3443 of 24 [illegible]
G.O. No. 3443 of 24 [illegible]

		Monthly Rs. A. P.	Annually Rs. A. P.	
	Entur Locks			
1	Gunnastah	10-—-—	120-—-—	
4	Lascars at 5 Rupees each	20-—-—	240-—-—	
	Nallamada Lock			
1	Gunnastah	10-—-—	120-—-—	
4	Lascars at 5 Rs each	20-—-—	240-—-—	
			22032-—-—	
	Tidal Lock			
1	Gunnastah	10-—-—	120-—-—	
4	Lascars at 5 Rupees each	20-—-—	240-—-—	
			22032-—-—	
	Travelling allowance for the above		744	
			2a. 776	
	Vellatoor Western Bank Channel			
1	Gunnastah	15-—-—	180-—-—	G.O. 1st Oct 1866 No. 3114
7	Lascars at 6 Rs each	42-—-—	504-—-—	
			684	
	Sorna Nagar			
	Collection and Police			
1	Coleu for Tiravidi Amient	4-—-—	48-—-—	G.O. dated 11th Nov. 1840
4	—do— for Veeramma Tank at 3½ Rupees each	14-—-—	168-—-—	—do—
2	Peons on Maramut duties in the Mamargudi Taluq at 4 Rupees	8-—-—	96-—-—	—do—
2/4	Salaries to Chitumbrapuram Coleu	8-—-—	96-—-—	
	Nannal at 2 Rupees each	8-—-—	96-—-—	—do—
1	Diver at the Wallajah Tank	1-12-—	21-—-—	—do—
6	Coleus for the Vellar Amient at 3½ Rupees each	21-—-—	252-—-—	5th April 1859.
4	Peons for the Wallajah and Permal Tanks at 5 Rupees each	20-—-—	240-—-—	16th June 1855

	Monthly	Annually	
	Rs. A. P.	Rs. A. P.	
1 Moneger & watch Coleroon Vaunl			
1 Amen & Lolhet Lock	7 — —	84 — —	3d January 1852
4 Colens. for do	14 — —		
1 Amen & Porto Novo Lock	16 — —	360 — —	8d June 1841
4 Colens for do do	10 — —		
1 Amen for Vutamattum Lock	16 — —	312 — —	3d February 1859
3 Colens for do	7 — —	84 — —	23d Novr 1862 No 2183
4 Colens at 4 Rupees	12 — —	144 — —	do
Porinar Amient	16 — —	192 — —	do
1 Superintendent	15 — —	180 — —	
2 Additional Colens	8 — —	96 — —	25 July 1863 No 2075
		2469 — —	

Reduced Conservancy Establishment maintained in the Vertical by and Abstract of Talooks after deducting the Establishment of the Lenjanie and Grand Talooks transferred to the Collector to be met from the irrigation cesses

Kurtally Talook 8 Rupees	1050 — —	Vide last Page	
Amaree — do — 11 — do	19 — —	228 — —	do No 2273 of 13th Sept
		1278 — —	

Kommbu

1 Superintendent	7	
4 Shuttermen @ 4	16	
2 — do — @ 3/8	7	
7 Watchmen @ 3	21	
	51	612
		1890 — —

Abstract

Godavery	40872
Kistna	23460
South Arcot	2469
Trichinopoly	1890
Total Rupees	68691

Office of the Controller of P.W. Accounts Madras 23. Nov. 1866.

Controller of P.W. Accounts

Encls: in a letter from the Controller of Accounts to Secy. Govt. W.D. dated 23rd Nov. 1866 No. 2791.

No. 4922

From the Secretary to Govt.

List of the Establishments under the Department of Public Works.

Appendix D. No. 2901.

Statement of the probable Receipts that will be realized by, and on account of, the Public Works Department, during the year 1867-68.

		Estimate 1867-68.	Estimate 1866-67.
Revenue, Imperial.			
To be realized in P.W. Deptt:- Tolls, Dues, Fees, Fines & Refunds	6,000.		51,300.
Rents of Buildings	250.		200.
Sales of Produce &c.	160.		500.
Sales of Buildings & Tools & Plant	39,000.		50,000.
		85,410.	102,000.
Revenue realized in Civil Deptt:-			
Canal Collections	"		77,245.
Fines, Recoveries & Refunds	1,779		9,350.
Sales of Buildings & old Materials	1,751		15,194
Rents of Buildings	962.		179.
Sales of Produce	217.		"
		7,199	101,968.
Total Revenue Imperial		92,609	203,968.
Revenue, Local.			
To be realized in P.W. Deptt:- Tolls, Dues, Fees, Fines & Refunds	1,000.		6000.
Sales of Tools and Plant	"		700.
Sales of Produce	200.		"
		1,200.	6,700.
Total Revenue Local		1,200.	6,700.
Deposits.			
To be realized in P.W. Deptt:- Deposits	8000.		1000.
Contributions for Public Works	2000.		2000.
		10,000.	3,000.
Do Civil Department Works, erection of a School House in Goorialtum	1000.		4235.
		1000.	4235.
Total Deposits		11,000.	7235.
Receipts by Sales of Stock		100,000.	50,000.
		100,000.	50,000.

Office of the Controller of Public Works Accounts.
Madras, 10th December 1866.

To, The Secretary to Government. Public Works Department.

Sir,

I have the honor to be, Sir, Your most obedient Servant,

Captain R.E.
Controller of Public Works Accounts.

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Public Works Department
Chapultepec 15th November 1866

No 1029

Sir

I have the honor to submit for consideration of His Excellency the Governor Genl. Park & the Budget for 1867/68.

The statements are herewith forwarded, and explaining the requirements of Subsistence Engineers &c included from the Returns, the other showing the allowances made in this Office & each division. From the detailed list of Stores which accompanied the Returns it is observed that nearly all the articles required by Engineers Officers and the which pioneers is made up. Large offices and for which Estimate for Tools & Implements &c. The Engineers in their Estimate for the General Store. The Islands can be supplied from the "Public Stores" have a reduction made in these Estimates.

I have the honor to be
Sir
Your most obedient Servant
[illegible]
General Superintending P.W. Department

To
Lieut Colonel Charles A. Wyke R.E.
Secretary to Government P.W.D
Fort of St George

Madras

The Controller of P.W. Accounts.

Sir,

The Secretary to Govt. P.W. Department. Fort St. George.

Dated 10th Dec. 1866
Recd 11th Dec. 1866.

No. 2951.

Appendix B.

Estimate of the probable Receipts that will be realized by, and on account of, the P.W. Department during the year 1867-68.

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Nos 2938. & 2939. Madras 16.

Part V of the Public Works Budget for 1867/68 — 191

Detailed List of Stores and Plant &c.

Districts or Departments	Surveyors and Draftsmen's Instruments	Machinery and Tools	Plant	Steam Launches	Office Furniture	Camp Equipage	Arms	Ammunition	Repairs and Carriage of Stores	Total
Ganjam		200							800	1000
Vizagapatam		200							800	1000
Godavery		500							5000	5500
Kistna		500	4500						1850	6850
Nellore		500							500	1000
Bellary		350							325	675
Cuddapah		500							225	725
Kurnool		300							200	500
Pennaconda		300	150						800	1400
Madras		500		300					600	1400
North Arcot		200		150					500	850
South Arcot		400	150	200	150				200	1100
Salem		630		130					480	1080
Trichinopoly										
Tanjore					50	250			1800	2100
Madura					200	200			300	900
Tinnevelly		1700							1600	3300
Coimbatore		1050	500					1500	3050	4850
Malabar		400							400	1100
South Canara		300			250	300			850	1800
Kistna		500	300	100	300				1200	2400
Total		9100	5300	1530	1200	1050	1800	1930	21070	40000
Genl. Supdt. P. W. Stores		4000	6000						10000	20000
Departments										20000
Supplies from England										90000
Total										130000

F. Stevens C.E.
Secretary

Chief Draftsman

General Superintendent P. W. Stores & Harbours

To the Secretary to Govt
P. W. D.
Fort St George

Dated 5th
Received 5th December 1866
No 1099
Encls 25

Forwards Part V of Budget
in his statement one Compleat
from the Returns of Supdt Engrs
and the other the allotment
made in this Office to Each

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Rs 4 for December 1866
From
The General Superintendent
P. W. Stores & Harbours
To
The Secretary to Govt
P. W. D.
Fort St George

Part V of the Public Works Budget for 1867/68.

Detailed List of Tools and Plant &c compiled from the Statements received from Superintending Engineers

Districts or Departments	New Supplies: Surveying and Mathematical Instruments	Machinery	Tools	Plant	Office furniture	Camp equipage	Live Stock	Total	Repairs and Carriage from place to place	Grand Total
Ganjam	"	"	200	"	"	"	"	200	800	1000
Vizagapatam	"	"	200	"	"	"	"	200	800	1000
Godavery	"	"	1000	"	"	"	"	1000	10000	11000
Kistna	1000	"	500	4500	"	"	"	6000	1850	7850
Nellore	"	"	600	"	"	"	"	600	500	1,000
Bellary	} 1390	310	11600	"	"	"	"	13300	"	13300
Cuddapah										
Kurnool										
Presidency	300	300	300	150	150	"	"	1200	800	2,000
Madras	250	"	1900	"	400	"	"	2,550	700	3,250
North Arcot	250	"	500	"	250	"	"	1,000	500	1,500
South Arcot	"	"	550	150	220	150	"	1070	430	1,500
Salem	"	"	800	"	130	"	"	930	500	1,430
Bangalore	"	"	"	"	"	"	"	"	"	
Tanjore	"	"	575	"	50	235	"	860	1800	2,660
Trichinopoly	"	"	1050	"	"	200	"	1250	300	1,550
Coimbatore	"	"	1691	"	"	"	"	1691	1600	3,291
Malabar	"	"	1050	500	"	"	1500	3050	1800	4,850
South Canara	"	"	400	"	"	"	"	400	1100	1,500
Madura	1622	216	"	2813	270	300	"	5221	1800	7,021
Tinnevelly	1294	"	300	998	150	460	"	3202	420	3,622
Total	6,106	826	23,116	9,111	1,620	1,345	1,500	43,624	25,700	69,324

P. W. Store Dept
Chepauk 5th November 1866

General Superintendent P.W. Stores & Workshops

Consulting Engineer's Office,
Irrigation & Canal Company,
Madras, 9th October 1866.

No. 76.

From,

Captain J. Mullins, R.E.
Consulting Engr for I. & C. Co.

To,

The Secretary to Government
Department of Public Works.

Sir,

1. I have the honor to submit my Budget Statements for the year 1867/68.— Part VII Appendix C.—

2. The differences between these statements and those of the present year are:

In part 1.

1st An addition of Rupees 720 to the charge for Controlling Establishment caused by the sanction of Presidency house rent.—

2nd In the Establishment engaged in making over land to the Company, the Deputy Collector's Salary, Kurnool, has been omitted, as directed in Proceedings Madras Government No. 2268 Dated 18th July last, but the entries for allowance and establishment, which are not referred to in that order have been left

Received 15th Oct. 1866.
Answered 16th Oct. 1866.

1867/68.

Part I & II to the Budget Calculations for the Consulting Engineer
J. Caldecott Esq. &c. &c. &c.

left untouched, as such charges, if incurred by a Deputy Collector, whose salary is drawn in the Revenue Department, when engaged in making over land, would probably be considered debitable to the Public Works Department. The Surveyor and Lascars also appear to be necessary, and it might prove inconvenient to make the alternative arrangement the verification of the Land Plans on behalf of Government by the regular Public Works Establishment of the District - submitted.

No establishments of any kind are entered for the Cuddapah and Nellore Districts - What work may have to be done in connection with the Transfer of land in these Districts will probably be trifling, and can be performed by the Revenue Establishments.

The changes above noticed reduce the charges for Controlling Establishments from Rupees 37072 in 1866/67 to Rupees 33432 in 1867/68.

3. It has been somewhat difficult to estimate the probable charges for the purchase of land as the amount which will have to be expended will depend upon the degree of rapidity with which the construction of canal works is resumed, and to some extent

Part III.

Appendix C.

also upon the further expenditure under this head in this year. The Chief Engineer, being without instructions regarding future operations, and also almost without establishment, does not know what works will be taken up, and may find it difficult to complete the land plans for the land which ought before this to have been finally made over and paid for.

4. This has been prepared in accordance with the instructions contained in Proceedings Madras Government No. 3168 dated 5th October 1866.

The entries under Revenue Account are the best approximations which can be made in anticipation of the regular preparation of the Revenue accounts, the rules regarding which are under the consideration of Government. The gross earnings for 1866/67 are founded upon the area for the irrigation of which water has been applied for, and this area is not likely to be extended this year.

letter No. 40 dated 31 July last

I have the honor to be,
Sir,
Your most obedt. Servant,
W. Underwood Captain, R.E.
Consulting for P.W. Company.

Ed. 1868.

From the Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Department Public Works, dated Madras, 9th October 1866, No. 76 :—

Part VI. and Appendix C.

1. I have the honor to submit my Budget Statements for the year 1867-68.

2. The differences between these Statements and those of the present year are :—

IN PART I.

1st.—An addition of Rupees 720 to the charge for Controlling Establishment caused by the sanction of Presidency house rent.

2nd.—In the Establishment engaged in making over land to the Company, the Deputy Collector's salary, Kurnool, has been omitted, as directed in Proceedings Madras Government, No. 2,268, dated 18th July last, but the entries for allowance and establishment, which are not referred to in that Order, have been left untouched, as such charges, if incurred by a Deputy Collector, whose salary is drawn in the Revenue Department, when engaged in making over land, would probably be considered debitable to the Public Works Department. The Surveyor and Lascars also appear to be necessary, and it might prove inconvenient were the alternative arrangement, the verification of the land plans on behalf of Government by the regular Public Works Establishment of the district, substituted.

No Establishments of any kind are entered for the Cuddapah and Nellore Districts. What work may have to be done in connection with the transfer of land in these districts will probably be trifling, and can be performed by the Revenue Establishments.

The changes above noticed reduce the charges for Controlling Establishments from Rupees 38,072 in 1866-67 to Rupees 33,432 in 1867-68.

Part II.

3. It has been somewhat difficult to estimate the probable charges for the purchase of land, as the amount which will have to be expended will depend upon the degree of rapidity with which the construction of canal works is resumed, and to some extent also upon the further expenditure under this head in this year. The Chief Engineer being without instructions regarding future operations, and also almost without establishment, does not know what works will be taken up, and may find it difficult to complete the land plans for the land which ought before this to have been finally made over and paid for.

Appendix C.

4. This has been prepared in accordance with the instructions contained in Proceedings Madras Government, No. 3,168, dated 5th October 1866.

The entries under Revenue account are the best approximations which can be made in anticipation of the regular preparation of the Revenue accounts, the rules regarding which are under the consideration of Government. The gross earnings for 1866-67 are founded upon

Letter No. 40, dated 31st July last.

the area for the irrigation of which water has been applied for, and this area is not likely to be extended this year.

(True Copy.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.

Appendix C.

Estimated Expenditure from Guaranteed Capital of the Madras Irrigation and Canal Company for 1867/68

Items	1867/68	1866/67
Main Canal	15,00,000	4,00,000
Distribution Channels		
Establishments	50,000	
Total outlay	15,50,000	4,00,000
Estimated receipts from sale of Stores &c. to be credited to Capital	10,000	80,000
Total Receipts	10,000	80,000
Net outlay	15,40,000	3,20,000

Revenue Account

	Gross Earnings	Working Expenses	Net Revenue	Percentage of working expenses					
	1867/68	1866/67	1867/68	1866/67	1867/68	1866/67	1867/68	1866/67	1867/68	1866/67
Main Canal from Soonkasala to the Pennair	75,000	8500	50,000	8500	25,000	"	66	100		

NB. No part of the charge for permanent Establishments has hitherto been debited to Revenue and the maintenance of the Canal has been as yet charged to Capital. The Cost of the repairs of a few buildings have alone been debited to Revenue. The entry under working expenses for 1867/68 supposes that the manner of keeping the Revenue Accounts will be shortly settled and that afterwards a proper adjustment of charges will be made.

Consulting Engineer's Office,
Irrigation Canal &c.
Madras 9th October 1867.

John Henderson Captain R.E.
Consulting Engineer for P.W.

JV 4924/65
Trans-14 - Dec/68 Ln 2 245-

Detail of Estimate of State Expenditure on account of the Establishments of the Madras Irrigation & Canal Company for the year 1867/68.

I Establishments	33,432
II Purchase of Land	12000
Total	45432

I Controlling Establishments

Number 1866/67	Number 1867/68	Particulars	Salary Per Office	Estimate 1867/68 Per Annum	Total	Estimate 1866/67 Charges per	Remarks
		Establishment engaged in making over land				27,502	26,782
		Kurnool					
1		Deputy Collector's Salary	"	"	1,080		1080
		Do Allowance	"	"	1,632		1,632
		Do Office Establishment	120	120	1,440		1,728
1	1	Surveyor	6	24	288		
4	4	Lascars	6	24	288		288
4	4	Police Constables			4,728		8,928
			-	-	1,202		1202
		add Office Expenses and Contingencies	-	-	-	5,930	10,130
		Total Kurnool					
		Cuddapah					
2	"	Comastah under the Deputy Collector	"	"	"		480
		add travelling allowance of Do	"	"	"		60
		Office Expenses and Contingencies	"	"	"		100
		Total Cuddapah	-	-	"	"	640
		Nellore					
1	"	Clerk under the Deputy Collector	"	"	"		420
		Office expenses and Contingencies	"	"	"		100
		Total Nellore	-	-	-	"	520
		Grand total of the Controlling Establishments				33,432	38,072

II Purchase of Land

No. of Items	Particulars	Amount computed by Estimate	Amount paid to 31st March 1867	Estimate 1867/68	Remarks or References
		Rs.	Rs.	Rs.	
	Kurnool				
1	For Main Canal and branches	"	53,786	9,000	
2	Do Cuddapah	"	4,314	3,000	
	Total	"	58,100	12,000	

Consulting Engineer's Office
Irrigation and Canal Co.
Madras 9 October 1866

Wm Lambton Captain R.E.
Consulting Engineer for I & C Co.

197

No. 1584

Memo of sums estimated on account of Police Buildings &c. to be executed by the Departt. of Public Works for the year 1867-68.

Description and Locality		Amount of Estimate
Ganjam		
1 Construction	3000	
Repairs	500	3500
Vizagapatam		
2 Construction	2000	
Repairs	400	2400
Godavery		
3 Construction	800	
Repairs	200	1,000
Krishna		
4 Construction	800	
Repairs	200	1,000
Nellore		
5 Construction	"	
Repairs	400	400
Kurnool		
7 Construction		
Repairs	300	300
Carried Over		8,600

Description and Locality		Amount of Estimate
Brought Over		8,600
Cuddapah		
Construction	800	
Repairs	200	1,000
North Arcot		
9 Construction	3,500	
Repairs	300	3,800
Madras District		
Construction	"	
Repairs	200	200
South Arcot		
10 Construction	2,000	
Repairs	300	2,300
Tanjore		
12 Construction	"	
Repairs	200	200
Trichinopoly		
13 Construction	500	
Repairs	200	700
Madura		
16 Construction	2,000	
Repairs	300	2,300
Tinnevelly		
17 Construction	"	
Repairs	200	200
Carried Over		19,300

Description and Locality		Amount of Estimate
Brought Over		19,300
Salem		
11 Construction	2,000	
Repairs	300	2,300
Coimbatore		
14 Construction	4,500	
Repairs	400	4,900
North Malabar		
Construction	5,000	
Repairs	500	5,500
South Malabar		
Construction	5,000	
Repairs	500	5,500
Total Rupees		37,500

Chief Office of the Inspr. General of Police.
Madras 21st September 1866.

H Morris
Inspector General of Police.

To
The Secretary to Government
Public Works Department.
Fort St. George.

A.R

Revenue Department

No

Proceedings of the Board of Revenue
dated 28th November 1866.

Read that the Budget
Estimate of original works to be executed
for the establishment of the Salt Revenue
in the several Districts of the Madras
Presidency during the official year 1867-68,
be submitted to Government, Revenue &
Department.

2. It will be observed that the
last two submitted comprises only such
works as require engineering aid for their
execution. A large number of works pro-
posed by the Collectors, as well as all re-
pairs for the Salt Department have been
transferred by the Board to the head of
"Petty construction and repairs" newly provided
in the Civil Estimate with reference to the
instructions of the Government of India
dated 31st October 1865, No 2787, communicated
with the Proceedings of the Madras Government
dated

Pub. Dept
No for December
No 4925

Public Works 1866 Departt
No 3916

From
The Insp. Genl of Police

To
The Secy to Govt P. W. D.
Fort St George

Dated 21st Septr 1866.
Rcd 22nd
Ans 5 Decr 66
No 1584

Memo of sums estimated on
account of Police Buildings &c
to be executed by the D. P. W. for
the year 1867-68.

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3938 3939 1/2 - Mem 2/6

dated 12th December 1865, No. 3012, Finance & Department.

3. In the Budget now submitted, no new works are proposed for the Godavery and South Arcot Districts, the total cost of the works in the remaining Salt Districts is entered below with the percentages on the Salt Revenue for Fasly 1275-

Districts.	Original works.	Salt Revenue of Fasly 1275.	Percentage.
	Rs	Rs	Rs
Ganjam	3,600	13,81,384	.26
Vizagapatam	66,180	3,02,657	21.86
Kistna	6,760	6,81,684	.99
Nellore	9,707	12,25,862	.79
Madras	49,733	18,57,828	2.65
Tanjore	5,719	9,92,360	.52
Madura	3,625	5,83,697	.62
Tinnevelly	18,650	6,10,901	3.06
South Canara	14,290	5,54,391	2.58
Malabar	44,090	7,82,731	5.63
Totals	2,21,754	89,73,495	2.42

(True Extract)

E Balfour
Secretary

To, The Secretary to Government.

Transferred to the Public Works Department

3/1866.

I Dein
Sec. to Govt.

247

Dept.
No. 926. Proceedings of the Board of Revenue
Dated 2d
Desp. 2 } Nov. 1866.
Read 3 Dec/66
E.N.

No.

Submitting Budget Estimate of original works to be executed for development of Salt Revenue in the several Distts of the Madras Presidency during 1867-68-

No. 3038-3939. Received 3/12/66

Transferred-

No. 8,007.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 5th November 1866.

Read the following papers :—

From G. L. MORRIS, Esq., Collector of Tanjore, to the Secretary to the Board of Revenue, dated Negapatam, 24th October 1866 :—

Statement shewing the Amount proposed to be expended on the Repair of Irrigation Works in the District of Tanjore, during the year 1867-68, *furnished with reference to the Board's Standing Circular, No. XXIII., dated 15th March* 1864.

Taluks.	Total number of Irrigation Works.	Dependant Revenue.	Number of works requiring repair.	Amount of proposed outlay for 1867-68.
		RS.		RS.
Tanjore...	692	4,52,743	30	2,900
Combaconum	699	6,41,894	28	4,893
Myaveram	576	5,12,557	10	6,520
Shealli	141	2,36,302	9	3,680
Negapatam	346	3,78,883	51	7,925
Nannilam	570	6,56,614	32	16,810
Tritrapundi...	224	2,75,481	101	31,831
Mannargudi...	340	3,52,842	18	4,685
Pattukottai	313	78,608	189	18,496
Total... ...	3,901	35,85,924	468	97,740

From G. BANBURY, Esq., Collector of Trichinopoly, to the Secretary to the Board of Revenue, dated 25th October 1866, No. 237.

Adverting to the Board's Proceedings, No. 1,590, dated the 15th March 1864, Standing Circular, No. XXIII. I have the honor to forward, herewith, the usual Statement shewing the number of Irrigations works in this district with the required particulars.

ENCLOSURE No. 1.

Statement shewing the Number of Irrigation Works in each Taluk, the Revenue dependant on each of them, distinguishing each work as require Repair, and the Probable Cost for repairing them.

No.	Taluka.	TANKS.					RIVER CHANNELS					Cost of strengthening the banks of the Cavery.	Cost of strengthening the banks of the Coleroon	Grand Total of the probable cost of repair.
		Total.		Those that require repair.			Total.		Those that require repairs					
		Number.	Revenue.	Number.	Revenue.	Probable cost of repair.	Number	Revenue.	Number.	Revenue.	Probable cost of repair.			
			Rs. A. P.		Rs. A. P.	Rs. A. P.		Rs. A. P.		Rs. A. P.	Rs. A. P.			Rs. A. P.
1	Trichinopoly ...	280	20,937 6 0	15	7,367 0 0	2,645 0 0	316	3,07,657 8 0	67	2,76,469 11 0	28,466 14 0	...	...	31,111 14 0
2	Musery	70	38,452 12 0	49	28,557 0 0	8,663 12 0	131	69,623 15 0	56	51,820 0 0	5,091 14 0	4,900	...	18,655 10 0
3	Kulitallay	136	10,497 7 0	45	7,265 1 0	5,484 0 0	129	62,192 2 0	93	48,550 0 0	12,000 0 0	300	...	17,784 0 0
4	Parembalur ...	115	37,860 1 0	33	14,081 0 0	5,728 0 0	90	1,430 3 0	...	... ...	... ...	...	...	5,728 0 0
5	Wodarpolliem ...	179	27,119 3 0	72	8,758 13 0	3,938 0 0	7	14,530 0 0	14	9,114 15 0	1,710 0 0	...	...	5,648 0 0
	Total ...	780	1,40,866 13 0	214	66,020 14 0	26,458 12 0	673	4,53,763 12 0	230	3,85,946 5 0	47,268 12 0	5,200	...	78,927 8 0

TRICHINOPOLY,
25th October 1866.

(Signed) G. BANBURY,
Collector.

Ordered that the foregoing Statements be submitted to Government, with reference to their Order of 6th February 1864, Public Works Department, No. 381.

(True Copies and Extract.)

Secretary.

To the Secretary to Government, Public Works Department.
" the Secretary to Government, Revenue Department.
Copy to the Collector of Tanjore.
" to the Collector of Trichinopoly.-

Exd. J. Wright.

No. 8,323.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 17th November 1866.

Read the following paper from H. G. SMITH, Esq., Collector of Cuddapah, to the Secretary to the Board of Revenue, dated 5th November 1866:—

Statement shewing the number of Irrigation Works, the Revenue dependent thereon, the number requiring Repair, and the Amount proposed to be laid out during the ensuing official year 1867-68, *in the District of Cuddapah, as called for by the Board's Standing Circular, dated the 15th March* 1864, *No. XXIII., Board No.* 1,590.

Taluks.	Irrigation Works and Revenue dependent thereon.						Of which require repairs.						Remarks.
	Tanks.		Channels.		Total.		Tanks.		Channels.		Total.		
	No.	Amount of assessment.	No.	Amount of assessment.	No.	Amount of assessment.	No.	Amount proposed to be expended.	No.	Amount proposed to be expended.	No.	Amount proposed to be expended.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Badvel	98	63,061	9	1,218	107	64,279	32	8,800	2	250	34	9,050	There is a difference between the entries in Columns 3 to 7 of the Statement submitted under date the 12th December 1865, and those in the same columns of this Return, in consequence of some misunderstanding on the part of certain Taluk officials who prepared the Taluk returns. The mistake has been discovered and rectified in this office.
2. Poddatur	25	17,545	17	22,031	42	39,576	13	11,818	1	500	14	12,318	
3. Siddhavatam	115	49,272	9	3,092	124	52,364	9	1,140	...	...	9	1,140	
4. Pullampett	99	64,347	49	46,007	148	1,10,354	17	12,800	3	2,700	20	15,500	
5. Cuddapah	81	43,796	134	45,210	215	89,006	7	4,920	5	1,725	12	6,645	
6. Jammalmadugu	27	17,689	19	27,255	46	44,944	13	4,000	1	500	14	4,500	
7. Pulivendala...	75	16,355	90	40,103	165	56,458	...	...	...	...	...	...	
8. Rayachoti	293	29,778	89	6,021	382	35,799	8	11,231	...	...	8	11,231	
9. Kadiri	499	44,886	119	13,000	618	57,886	87	27,496	3	1,150	90	28,646	
10. Voilpad	309	98,706	174	16,412	483	55,118	5	810	...	...	5	810	
11. Madanapalli...	358	74,085	125	14,401	483	88,486	2	260	2	200	4	460	
Total...	1,979	4,59,520	834	2,34,750	2,813	6,94,270	193	83,275	17	7,025	210	90,300	

Dated 5th November 1866.

No. 4,925.

PROCEEDINGS OF THE BOARD OF REVENUE,

No. 8,007.

Submitting statements showing the amounts proposed to be expended on the repair of Irrigation Works in Tanjore and Trichinopoly Districts.

Ordered that the foregoing Statement be submitted to Government, with reference to their Order of 6th February 1864, Public Works Department, No. 381.

(A true Copy and Extract.)

Secretary.

To the Secretary to Government, Public Works Department.

Copy to the Collector of Cuddapah.

Exd. J. Wright,

No. 7,879.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 31st October 1866.

Read the following letter from R. K. PUCKLE, Esq., Collector of Tinnevelly, to the Secretary to the Board of Revenue, dated 20th October 1866, No. 458:—

I have the honor to forward, herewith, an Abstract Statement of the Irrigation works requiring repair during the ensuing year. Many of these are the works alluded to in my letter, dated 8th August 1866, No. 312, as likely to be most remunerative if repaired, and the remainder are works reported by the Range Officers as urgently in need of repair.

ENCLOSURE No. 1.

Abstract Statement shewing the number of Irrigation works, the revenue dependent on them, the number requiring repairs, and the amount proposed to be laid out during the ensuing official year, 1867-68, *in the District of Tinnevelly, prepared with reference to the Board's Standing Circular, No.* XXIII., *dated* 15*th March* 1864.

Taluk.	Total number of Irrigation works.	Total revenue dependent on them.	Number of Irrigation works requiring repair.	Amount proposed to be laid out during 1867-68.
1	2	3	4	5
Tinnevelly	281	3,39,538	16	4,035
Tenkarei	242	3,23,505	7	4,450
Ottapedaram	123	26,037	4	3,475
Sattur	66	26,111	4	2,800
Strivilliputtur	254	1,71,656	22	26,000
Sankaranainarcovil	190	99,094	12	16,850
Tenkasi	324	1,40,827	37	10,614
Ambasamudram	439	3,39,438	23	9,135
Nanguneri	558	3,25,785	38	13,158
Total... ...	2,477	17,91,991	163	90,517

TINNEVELLY,
20th October 1866.

(Signed) R. K. PUCKLE,
Collector.

Ordered that the foregoing letter be submitted to Government, with reference to Government Order, 6th February 1864, No. 381, Public Works Department.

(True Copies and Extract.)

Secretary.

To the Secretary to Government, Public Works Department.

Copy to the Secretary to Government, Revenue Department.
" to the Collector of Tinnevelly.

Exd. J. Wright.

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Dated 17th November 1866.

No. 8328.

PROCEEDINGS OF THE BOARD OF REVENUE,

Submitting Statement shewing number of Irrigation works in Cuddapah, revenue dependant thereon, number requiring repair, and amount proposed to be laid out during 1867-68.

Revenue Department.

No. 7,603.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 22nd October 1866.

Read the following papers:—

From D. F. CARMICHAEL, Esq., Collector of Vizagapatam, to the Secretary to the Board of Revenue, dated Waltair, 28th September 1866.

Abstract Statement showing the number of Irrigation works, the revenue dependent thereon, the number requiring repair, and the amount proposed to be laid out during the ensuing official year 1866-67, *in the District of Vizagapatam.*

Number.	Taluks.	Number of Irrigation works.	Ayacut.	Number of Irrigation works requiring repair.	Ayacut.	Amount proposed to be laid out, as by Tahsildar's estimate.	Remarks.
1	2	3	4	5	6	7	8
		No.	Rs. A. P.	No.	Rs. A. P.	Rs. A. P.	
1	Survasidhi.....	234	1,40,423 0 0	142	1,26,011 0 0	16,530 0 0	
2	Golgonda	355	51,133 0 0	87	20,914 0 0	7,800 0 0	
	Total...	589	1,91,566 0 0	229	1,46,925 0 0	24,330 0 0	

N. B.—In Column 7 it is the Tahsildar's estimate for repairs that is entered. The Department of Public Works, in preparing estimates, will probably double the amount.

From V. H. LEVINGE, Esq., Collector of Madura, to the Secretary to the Board of Revenue, dated Chinnamanur, in Peracolum Taluk, 15th September 1866.

Abstract Statement showing the number of Irrigation works, the revenue dependent thereon, the number requiring repair, and the amount proposed to be laid out during the ensuing official year, viz., 1867-68.

Taluks.	Number of Irrigation works.	Revenue dependent thereon.	Number requiring repair.	Amount proposed to be laid out during the ensuing official year.
1	2	3	4	5
	No.	Rs.	No.	Rs.
Tirumangalom...	311	77,030	48	17,190
Madura	572	1,71,804	62	20,680
Melur	1,220	80,288	37	10,000
Dindigul	207	33,462	4	1,400
Pereacolum	96	92,096	36	12,140
Pulney	43	55,308	8	2,500
Chittanendel	6	1,032	5	1,025
Total...	2,455	5,11,020	200	64,935

Ordered that the foregoing Statements be submitted to Government, with reference to their Order of 6th February 1864, Public Works Department, No. 381.

(True Copies and Extract.)

Secretary.

To the Secretary to Government, Public Works Department.

Copy to the Secretary to Government, Revenue Department.
" to the Collector of Vizagapatam.
" to the Collector of Madura.

Exd. J. Wright.

Dated 31st October 1866.

No. 7,879.

Submitting letter from Collector of Tinnevelly forwarding statement shewing number of irrigation works in district, revenue dependent on them, number requiring repair, and amount proposed to be laid out during 1867-68.

PROCEEDINGS OF THE BOARD OF REVENUE,

No.

1866.

Department.

No. 8,291.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 16th November 1866.

Read the following letter from A. MACGREGOR, Esq., Acting Collector of Coimbatore, to the Secretary to the Board of Revenue, dated 31st October 1866, No. 283:—

1. As directed in the Board's Standing Circular of the 15th March 1864, No. XXIII., (Board No. 1,590,) I have the honor to forward an abstract Statement, shewing the number of Irrigation works requiring repair in 1867-68.

2. The total number of Irrigation works in this district is 384, and the revenue derived therefrom, as per Jummahbundy accounts of Fusly 1275, is Rupees 5,30,435-0-0. The number requiring repair is 152, and the amount proposed to be laid out thereon in 1867-68, agreeably to the estimates received from the Tahsildars, is Rupees 1,31,067-0-0.

3. The Board will observe from paragraph 12 of Mr. Grant's letter of the 6th August 1866, No. 200, that the Budget grant of the current official year is disproportionate to the wants of the district, and that many of the Irrigation works are in a bad condition, and require a large amount of outlay to put them in order.

4. Within the last fortnight very heavy rains have fallen, doing a large amount of damage to works, which the long drought had rendered more than ordinarily liable to injury. The extent of this is unknown as yet, but the Sub-Collector, in a letter received to-day, expresses a fear that every bund in the Oodoomulpettah taluk is unsafe.

5. Two detailed Statements, containing the necessary information in regard to each work, are herewith submitted.

Dated 22nd October 1866.

No. 7,603.

Submitting statements shewing number of Irrigation works in Vizagapatam and Madura districts with revenue dependent thereon, number requiring repair, and amount proposed to be laid out during 1867-68.

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PROCEEDINGS OF THE BOARD OF REVENUE,

No.

1866. Department.

Revenue Department

ENCLOSURE No. 1.

Abstract Statement shewing the number of Irrigation works, the Revenue dependant thereon, and the number requiring Repair in the Official year 1867-68 in the several Taluks of the Coimbatore District.

Taluks.	Total number of Irrigation works.		Deduct number of works that do not require repair in 1867-68.		Remainder which require repair in 1867-68.		Amount of estimate.
	Number of works.	Revenue derived from the works including Jody Inam.	Number of works.	Revenue derived from the works including Jody Inam.	Number of works.	Revenue derived from the works including Jody Inams	
1	2	3	4	5	6	7	8
		Rs. A. P.		Rs. A. P.		Rs. A. P.	Rs. A. P.
Coimbatore	66	72,042 4 3	31	462 3 8	35	71,580 0 7	11,095 0 0
Suttimungalum	27	1,01,638 4 8	19	1,828 4 8	8	99,810 0 0	16,519 2 0
Colligal	36	21,842 3 7	17	304 3 7	19	21,538 0 0	19,380 0 0
Pollachi	51	23,114 9 10	43	1,024 9 10	8	22,090 0 0	6,596 13 0
Perindoray	33	95,063 0 6	24	90,470 0 6	9	4,593 0 0	2,420 2 0
Bhowany	42	4,389 12 4	32	2,347 12 4	10	2,042 0 0	3,154 0 0
Pulladom	65	26,480 3 11	37	18,233 3 11	28	8,247 0 0	4,155 0 0
Darampooram	13	57,311 6 1	12	56,321 6 1	1	990 0 0	115 0 0
Caroor	29	83,763 2 5	14	2,697 0 5	15	81,066 2 0	47,584 0 0
Oodoomulpettah	22	44,789 11 11	3	613 11 11	19	44,176 0 0	20,047 15 0
Total ...	384	5,30,434 11 6	232	1,74,302 8 11	152	3,56,132 2 7	1,31,067 0 0

COIMBATORE,
31st October 1866.

(Signed) A. MACGREGOR,
Acting Collector.

ENCLOSURE No. 2.

ABSTRACT.—Statement shewing the estimated cost of Irrigation works in the Sub-Division for 1867-68.

ENCLOSURE No. 3.

ABSTRACT.—Statement shewing the names of Irrigation works, the revenue dependant thereon, and the number requiring repair in the official year 1867-68, in the several taluks.

Ordered that the foregoing letter be submitted to Government, with reference to their Order of 6th February 1864, Public Works Department, No. 381.

(True Copies and Extract.)

Secretary.

To the Secretary to Government, Public Works Department,

with two Statements.

Copy to the Acting Collector of Coimbatore.

Exd. J. Wright.

1866. Department.

No.

PROCEEDINGS OF THE BOARD OF REVENUE,

Dated 10th *November* 1866.

No. 8,291.

Submitting letter from Acting Collector of Coimbatore forwarding Statements showing number of Irrigation works, revenue dependant thereon, number requiring repair, and amount proposed to be laid out during 1867-68.

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Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in certain Talooks in the Coimbatore District

Name of Talook	Name of Irrigation Works	Revenue derived from each work including Fodie Grams	Names of Works which require Repair during the Official Year 1867/68.	Amount of Estimate Each	Remarks
Coimbatore			Talug.		
	Channel	1st Fl.	Clearing accumulation &c.	1000	
	Large Tank	1,016 Fl.	Repairing Bund & Calingulah Stone, earth and jelly work	300	
			Do Do	250	
			Do Do	150	
Chinnacharam	Calingulah Tank	542 Fl.	Clearing accumulation &c.	2,000	
	Ditto &c.	1,202 Fl.	Repairing Calingulah &c.	100	
	Channel	15,298 Fl.	Repairing Bund, Stone and earth work &c.	500	
	Periacolum Tank	43 Fl.	Do Do	750	
	Varaumbedy &c.	4,263 Fl.	Repairing the Bunds with Stone and raising		
	Kuchumbedy &c.	4,084 Fl.	the Calingulah to the height of one foot	300	
	Chellumbedy &c.	1,200 Fl.	Repairing the Sluice and Reconstructing the		
Comarapallium	Comarasamy &c.	1,761 Fl.	Calingulah on a high level	250	
			Raising the banks with Stone to the height		
	Chelavachintamani &c.	471 Fl.	of 2 feet and Reconstructing the Calingulah		
			on a high level	250	
	Colorampallay Do	1,150 Fl.	Repairing the Sluices	100	
Coonniamoor	Channel	676 Fl.	Clearing accumulation &c.	800	
	Coonniamoor Tanks	3,074 Fl.	Repairing Bunds with Stone &c.	250	
	Singolam Do	2,001 Fl.	Do Do	300	
Vellaloor	Channel	1,859 Fl.	Clearing the accumulation	300	
	Tanks	1,847 Fl.	Repairing Revetments old and New Stones &c.	250	
Koorchy	Channel	294 Fl.	Clearing accumulation &c.	700	
	Tanks	2,027 Fl.	Repairing Revetments old & New Stones &c.	150	

Vide

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in Certain

in the Coimbatore District

Name of Village.	Name of Irrigation Works.	Revenue derived from each work including Sodic Income.	Names of Works which require Repair during the Official Year 1867/68.	Amount of Estimate Rupees	Remarks
			Coimbatore		
Singanallur	Channel	3269 5½			
	Tank	3202 5½			
Chinna Veliamb	Periacadu Channel	1413 5½			
Chinna Vilavankatha	Valiar Yethicadu Do	541 12			
Chinna Samacoolam	Tank	476 11 5			
Vellalur	Do.	564 8½			
Annur	Do.	820 3 11			
Melapalliam	Do.	166 6½			
Coparajapuram	Do.	82 11 2			
Vadakalur	Do.	114 14			
Odrapalliam	Do.	223 11 2			
Kumanankenpalliam	Do.	203 9			
Konnathur	Do.	479 5 11			
Duracarai	Do.	19 3 4			
Korapanatham	Do.	29 1 6			
Sircar Samacoolam	Do.	350 2 1			
	Total 35 Works	71,580 7			
	Pollachy				
Anamalai	Periamai Channel	8426			
	Carapatty Do.	2727			
	Vadacaloor Do.	2721			
	Colapathra Tank	1304			

Taluq (Continued)

Clearing the accumulation &c.	250 "
Repairing Revetment Stone, earth and jelly work &c.	250 "
Clearing accumulation & Repairing Calingulah	200 "
Clearing accumulation &c.	100 "
Repairing Revetment Stone & Earth work &c.	350 "
Repairing the Revetment old & New Stones, and Repairing Sluice	400 "
	100 "
	60 "
	30 "
	50 "
Repairing Revetment old and new Stones,	100 "
jelly and earth work &c.	50 "
	200 "
	30 "
	25 "
	100 "
	1,095 " "

Taluq

Widening the Channel &c.	704 6
Clearing accumulation & side cutting &c.	606 7
Cutting the sides of the Channel including brick & Chunam works to a portion	490 15
Do. Do.	1069 8

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in the Combatore District

Names of Villages	Names of Irrigation Works	Revenue derived from each work including Godi Inams.	Names of works which require Repair during the Official Year 1867/68.	Amount of Estimate Rupees	Taluk	Remarks

Pollachy

Cotteer	Pattiseliamman Channel	2017 "	
	Periyaeramm — Do	2216 "	
Cavumkadi	Tank	815 "	
Cambam	Athanadi Tank	234 "	
	Total 8 Works	22,090 "	

Dharapuram

Pattiswamithiram	Rasangoulam	150 "	
Navanaipoothoor	Aimicut and Channel	" "	
Noocaiipoothoor	Tank	117 "	
Nempathy	Do	231 "	
Pilimadesam	Do	16 "	
Poonachy	Do	250 "	
Andikolam	Do	6 "	
Palakolam	Do	47 "	
Poothapady	Do	93 "	
Coomthampady	Paria Yeri Do and Yethe Cattiel Do	1153 "	
	Total 10 works	2042 "	

Pullada

Soolour	Channel	1442 "	
Mangalam	Do	947 "	
Anderpollam	Do	142 "	
	Tank	534 "	

Taluq (Continued)

Clearing the accumulation and		
Repairing Stone Revetment		1767 6
Widening the Channel including Channel and brick work		1402 5
Earth work Do		317 15
Do Do		147 15
		3506 13 "

Taluq

Earthwork, Stone work & Sluice works	220 "
Earth and Stone work	90 "
Earth & Stone work, and Sluice Repair	120 "
Do Do	800 "
Repairing Revetment earth & Stone work	300 "
Do Do	220 "
Repairing bunds, earth work	99 "
Repairing banks & Sluice, Stone and earth work	340 "
Do Do	250 "
Repairing banks, old and new Stones	715 "
	3154 "

Taluq

Clearing accumulation Do	200 "
Repairing bunds & Clearing accumulation	170 "
Repairing Annicut, Stone work, & Clearing accumulation Do	300 "
Earth work to the banks	150 "

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in the Combatoor District

Name of Village	Name of Irrigation Works	Revenue derived from each work including Jodi Income	Names of Works which require Repair during the Official Year 1867/68.	Amount of Estimate Rupees	Remarks
Pullidam			Taluq (Continued)		
Veerapuram	Channels	654.00	Clearing accumulation & Repairing Anicut	200	
Mecanarai	Channels	256.00	Clearing Accumulation & Repairing Stone Investment	275	
	Tanks	82.00	Earth Work	30	
Koodalapiatti and	Channels	200.00	Clearing accumulation & Work in jilly & Chunam	435	
	Tanks	215.00	Mud Work &c.	130	
Poodoopatti	Poodoopatti Channels	342.00	Repairing bunds & Clearing the accumulation	50	
Vatroopatti	Channels	295.00	Mud Work	30	
Semkainallur	Do.	98.00	Repairing Anicut and Clearing accumulation in the Channels	50	
Veeriapuram	Do.	125.00	Do. Do.	70	
Ammapatti	Do.	152.00	Repairing bunds	15	
Vallalacaravadi	Do.	125.00	Clearing accumulation and Repairing Sluice	60	
Tanks or Tanks	Tanks	422.00	Repairing Sluice, Stone and Chunam work	80	
Papapatti	Do.	75.00	Do. Do.	40	
Moorandapatti	Do.	221.00	Do. Do.	50	
Vanallipatti	Do.	125.00	Do. Do.	40	
Veeranasi	Thamarai Coolam Tank	533.00	Repairing banks	80	
Kanjapally	Thottanam Yeri or Tank	183.00	Repairing banks &c. and work in bricks and Chunam	60	
	Yeroo Kalam Yeri Do.	231.00		60	
Thamarai Coolam	Tank	78.00	Repairing Sluice. Chunam Work	40	
Thoolookamoothoor	Tanks	73.00	Repairing banks &c.	80	
Thoravalloor	Do.	66.00	Do. Do.	120	
Vallaar	Koottai or Small Do.	17.00	Repair of the bunds	1000	

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in Certa

in the Coimbatore District

Names of Villages.	Names of Irrigation Works.	Revenue derived from each work including Jodi Inams.	Names of Works which require Repair during the Official Year 1867/68.	Amount of estimate Rupees	Remarks

Palladam Taluq (Continued)

Sirungapalliam	Channel	342 "	Clearing accumulation Rupees	20 "
	Tank	126 "	Repairing the banks Do.	50 "
	Total 28 tanks	8,245 "		4,155 " "

Perundarai Taluq

Thammeeram Pelathoo	Tank	138 "	Stone, jelly, Chunam & earth work Rupees	316.10.
Nanja palathoovoo	Do.	1,313 "	Do. Do.	84 11
Thalavanjapaliam	Do.	31 "	Do. Do.	29 13
Vadoo capaliam	Do.	522 "	Do. Do.	396 15
Sivan Pucapaliam	Do.	221 "	Mud and stone work	103 13
Thirara Do.	Channel	126 "	Do. Do.	112 15
Seethoor pallapaliam	Tank	522 "	Do. Do.	312 "
Thalamuthan Cangampaliam	Do.	197 "	Do. Do.	67 4
Thene capalli	Do.	126 "	Do. Do.	39 6
Vellodivalli	Do.	129 "	Do. Do.	76 2
Cavoothanpaliam	Do.	93 "	Do. Do.	15 "
Coommathoor	Do.	187 "	Stone and Earth work	437 10
Poonthorai	Do.	77 " "	Do. Do.	368 "
	Total 12 tanks	4,593 " "		2,420 2 "

Sattimangalam Taluq

Tavasiully	Channel	80,925 " "	Clearing accumulation and Repairing Calingulah	6,257 15
Arakana Cotai	Do.	17,437 " "	Clearing accumulation and and Repairing Anicut	3,184 8
Pamayakenkatai	Canyapaliam Anicut ..... Channel of the Do.	" " " 225 " "	Do. Do.	5,050 "
			Do. Do.	950 "

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in certain Taluqs in the Coimbatore District

Name of Village	Name of Irrigation Works	Revenue derived from each work including Jodi Inams	Names of Works which require Repair during the Official Year 1867/68	Amount of Estimate Each	Total	Remarks
Pollachi Taluq						
Pongumpatti	Tank	228 "	Repairing Bund	262 "		
Pongumpatti	Do	124 "	Do Do	50 "		
Vellaar	Do	219 "	Do Do	105 "		
Pickarum	Do	355 "	Do Do	402 "		
Ajalattoor	Do	224 "	Do Do	255 "		
	Total 8 Tanks	1,150 "			16519 2 "	
Coimbatore Taluq						
Pallam	Thoragadavu Channel	1131 "	Clearing accumulation & Repairing Amicut	1400 "		
	Pallam Tank	2314 "	Repairing Sluice	1,000 "		
Jeeakamahalli	Perumal Channel	380 "	Clearing, accumulation and Repairing, Amicut	360 "		
Thonacarai	Tank	241 "	Repairing Bund	300 "		
	Amicut & Channel	657 "	Repairing Amicut & Clearing accumulation	800 "		
	Papanacaray Tank					
	Channel of Mathoo-manhalli	2,227 "	Closing breeches and Clearing accumulations	2,200 "		
Collegala	Papanacaray Tank	3,260 "	Repair of the Sluice & bank &c	1,000 "		
	Kongalacaray Do	1,486 "	Do Do	1,000 "		
	Ranganathan Do	2,232 "	Repairing bank	800 "		
Mathoovanamalli	Para Ranganathan Do	2,644 "	Repairing Sluice, and bank	1,200 "		
	Thekaicary Tank	571 "	Repairing Sluice, Calingulah and bank &c	1,000 "		

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in Certain Villages in the Coimbatore District

Names of Villages	Names of Irrigation Works	Revenue derived from each work including Jodi Inam.	Names of Works which require Repair during the Official Year 1867/68.	Amount of estimate Each	Total	Remarks
Coimbatore	Periatheary Tank	22 "	Repairing bunds, sluice and bank	4,000 "		
Kumaraparam	Tank	528 "	Repairing sluice, bank and Calingalah	1,000 "		
Kondrakale	Do	920 "	Do Do	700 "		
Jaccali	Kottucarai Tank	329 "	Do Do	600 "		
Thyagarampalie	Tank	610 "	Repairing bank &c.	400 "		
Ooratoor	Do	1206 "	Repairing sluices, Calingalah & bank &c.	1,000 "		
Coonagallie	Do	110 "	Repairing sluice &c.	120 "		
Modalie	Thadacarai Tank	137 "	Repairing bunds &c.	500 "		
	Total 10 Works	21538 " "		10,380 " "		
	Total of 7 Talugs	229900 " "		63320 " "		

Coimbatore
Collr's Office
30th October 1866.

E.T. Clarke

A. Cunningham
Acting Collector

Statement showing the Names of Irrigation Works that require Repair during the Official Year 1867/68 in Certain Talooks in the Combatoor District

Names of Villages.	Names of Irrigation Works.	Revenue derived from each work including Jodi Inams.	Names of Works which require Repair during the Official Year 1867/68.	Amount of Estimate Rupees	Talook	Remarks

No. 8,679.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 6th December 1866.

Read the following paper from J. D. ROBINSON, Esq., Collector of North Arcot, to the Secretary to the Board of Revenue, dated Chittoor, 24th November 1866; forwarded with reference to their Standing Circular, dated 15th March 1864, No. XXIII., Board No. 1,590:—

Abstract shewing the number of Irrigation Works: the Revenue dependant thereon; the number requiring Repair; and the Amount proposed to be laid out in the Official year, 1867-68, in the District of North Arcot.

Taluk.	Number of Irrigation Works.		Ayacut.		Amount proposed to be laid out in the Official year 1867-68.	Remarks.
	Not requiring Repair.	Requiring Repair.	Extent.	Assessment.		
1	2	3	4	5	6	7
	RS.	RS.	RS.	RS.	RS.	
Chittoor	685	89	17,356	1,13,429	8,000	The total requirements of the district in this way are roughly set down at somewhat upwards of two lakhs. It has been assumed that funds to the extent of one lakh may be made available for the year 1867-68. Proportionate allotments have been made on this according to the relative requirement of each taluk.
Chendragherry ...	101	73	4,383	29,668	6,500	
Palmanair	113	45	3,151	16,386	2,500	
Gudiatum	283	96	21,214	1,27,547	16,150	
Vellore	196	24	14,541	1,02,672	6,856	
Polur	172	106	25,602	1,32,588	18,000	
Wandawash ...	594	42	29,551	2,40,259	12,000	
Arcot	383	101	40,436	2,42,160	15,000	
Wallajah	303	221	49,486	2,24,710	15,000	
Total ...	2,830	857	2,06,023	12,2.),219	1,00,000	

Ordered that the foregoing Statement be submitted to Government, with reference to their Order of 6th February 1864, Public Works Department, No. 331.

(A true Copy and Extract.)

Secretary.

To the Secretary to Government, Public Works Department.
„ the Secretary to Government, Revenue Department.

Copy to the Collector of North Arcot.

Exd. J. Wright.

No. 8,591.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 30th November 1866.

Read the following papers:—

From T. A. N. CHASE, Esq., Acting Collector of Nellore, to the Secretary to the Board of Revenue, dated 19th November 1866; forwarded with reference to Board's Standing Circular, No. XXIII., Board No. 1,590, of 15th March 1864.

Statement shewing the number of Irrigation works in the District of Nellore, the revenue dependent thereon, the number requiring repair, and the amount proposed to be laid out for their repair in 1867-68.

Total number of public works of Irrigation in the district, with the revenue dependent thereon.		Details of the repairs required.					Amount required for expenditure in 1867-68.
		Number of works requiring repair of earthwork, with the repair of the revetments in many cases.	Number of escapes and sluices requiring repair.		Number of new escapes and new sluices required.		
Number.	Revenue of 1865-66.		Escapes.	Sluices.	Escapes.	Sluices.	
	Rs.	No.	No.	No.	No.	No.	Rs.
982	7,59,175	347	94	206	187	366	1,50,000

1866.

Depart

No.

PROCEEDINGS OF THE BOARD OF REVENUE,

Dated 6th December 1866.

No. 8,679.

Submitting statement showing numb
Irrigation works in North Arcot; revenu
pendant thereon; number requiring re
and amount proposed to be laid out in 186

From G. THORNHILL, Esq., Collector of the Kistna District, to the Secretary to the Board of Revenue, dated Masulipatam, 11th November 1866, No. 374.

Statement shewing the number of Irrigation works, the revenue dependent thereon, the number requiring repair, and the amount estimated for them, for the official year 1867-68.

Taluks.	Number of Irrigation works inclusive of tanks, &c.	Extent of land under the command of the Irrigation works in Column 2, and its assessment.		Number of Irrigation works requiring repair out of those in Column 2.	Amount estimated by the Tahsildars for restoring them.	Branch Channels proposed by the Tahsildars to be newly excavated.			Estimate of cost required for the work in Column 7.	Total of Columns 6 and 10, to be added to the Budget for 1867-68.
		Land.	Assessment.			Number of works.	Extent of land to be brought under wet cultivation.	Assessment.		
1	2	3	4	5	6	7	8	9	10	11
		A. C.	Rs. A. P.		Rs.		A. C.	Rs. A. P.	Rs.	Rs.
1. Repally	129	42,803 0	2,28,228 12 3	61	5,822	61	8,151 93	40,288 15 0	13,430	19,252
2. Bapatla	154	28,262 0	1,70,880 12 9	1	180	3	150 0	750 0 0	350	530
3. Guntoor	58	1,950 0	11,972 12 4	32	4,995	1	85 13	660 12 3	2,680	7,675
4. Palnad	98	2,104 0	14,466 9 0	46	6,377	...	....	....	.....	6,377
5. Rajapett	54	2,090 0	15,045 9 7	15	2,490	...	....	....	... ..	2,490
6. Gudivadah	489	70,021 32	2,14,883 14 9	33	4,514	9	1,147 0	2,163 0 0	2,612	7,126
7. Krosoor	96	428 0	3,225 3 1	15	2,160	...	....	....	.....	2,160
8. Bander...	192	15,342 0	45,346 10 7	19	1,180	10	2,932 0	12,578 0 0	2,700	3,880
9. Nandigama	70	4,152 0	14,015 9 6	17	4,055	...	....	....	.....	4,055
10. Bezwadah	73	8,402 0	39,616 10 4	30	2,895	...	....	....	.....	2,895
11. Vinukonda	49	1,233 0	8,015 0 8	27	4,471	...	....	....	.....	4,471
12. Vissannapett ...	15	547 0	1,499 1 9	1	500	...	....	....	.....	500
Total...	1,477	1,77,334 32	7,67,226 10 7	297	39,639	84	12,466 8	56,440 11 3	21,772	61,411

Ordered that the foregoing Statements be submitted to Government, with reference to their Order of 6th February 1861, Public Works Department, No. 381.

(True Copies and Extract.)

Sub-Secretary.

To the Secretary to Government, Public Works Department.
" the Secretary to Government, Revenue Department.
" the Collector of the Kistna District.
" the Collector of Nellore.

Exd. J. Wright.

No. 2295

From

C. B. Rivell Esquire

Director of Public Instruction

To

The Secretary to Government

of Madras Fort St. George

Sir,

I am submitting the Educational Building Budget for 1867/68. I have the honor to submit that it is absolutely necessary some extra funds should be devoted to the completion of the various Educational buildings.

2. The Regular Annual sum of Rupees 40,000 is absolutely required for Educational buildings in this Presidency. But owing to the Public Works Department having taken up a portion of this sum for building Courts of Justice, there remains only Rupees 24,000 for the

P 10

1866. Department.

No. 4904

PROCEEDINGS OF THE BOARD OF REVENUE,

Dated 30th November 1866.

No. 8,591.

Submitting statements showing number of Irrigation works in Kistna and Nellore districts, revenue dependent thereon, number requiring repair, and amounts proposed to be laid out in 1867-68.

261-A

con. 3938 to 3939 - Mysore/66

The Presidency Colleges during 1867/68.

I have also to observe that owing to the non-execution of works provided for but not funds in hand, the Educational Building Fund is debited year after year with charges for establishment not actually incurred.

I have the honor to be
Sir
Your most obedient Servant

A. R. Pringle
Director of Public Instruction

Office of the Director of Public Instructions
Received 1st November 1867

E. [illegible]

Public Works Department
No. 3938

Proceedings of the Madras Government
Under date the 11th Decr 1866
Read the following

From the Supdg Engr 1st Divn				Jy. G. 3d Octr 1866	No.	1140
"	Do	2d	Do	" 24 Septr	"	1141
"	Do	3d	Do	" 3 Octr	"	—
"	Do	4th	Do	" 10 Do	"	2591
"	Do	5th	Do	" 15 Do	"	120
"	Do	6th	Do	" 19 Do	"	925
"	Do	8th	Do	" 15 Do	"	121
"	Do	9th	Do	" 13 Do	"	855
"	Do	7th	Do	" 12 "	"	"
"	Do	8th	Do	" 26 Septr	"	1018
Controller of P.W. Accts				" 23d Nov 10th Dec	"	2771 2951
Genl Supdt P.W. Store Work Shops				" 5th "	"	1029
Consulting Engr Madras				" 9 Octr	"	76
Inspr Genl of Police				" 21 Septr	"	1384
Supdg Bd of Revenue				" 2d Nov 5th Do	"	8007
"	"			" 17 Do	"	8323
"	"			" 30th Do	"	8591
"	"			" 31 Octr	"	7879
"	"			" 22d Do	"	7603
"	"			" 16 Nov	"	8391 8672
Regr of the Madras Govt Rev Deptt				" 23d Do Do	"	2215
Dr of Pub. Instn				" 1st Nov	"	2276

Read again Regr of Madras Govt in the Mily Deptt of 2d Nov No. 3809 & recorded in G.O No. 3610 of 15 Nov 1866.

Read again letter from the Comg Engr for Railways of 2d Nov and recorded in G.O No. 3574 of 8th Nov 1866.

J.

Public Works Department
No. 3938

Proceedings of the Madras Government
Under date the 11th December 1866
Read the following

From the Superintending Engineer 1st Division, Jy. G. 3d October 1866 No. 1140
" Do 2d Do " 24 September " " 1141
" Do 3d Do " 3 October " " —
" Do 4th Do " 10 Do " " 2591
" Do 5th Do " 15 Do " " 120
" Do 6th Do " 19 Do " " 925
" Do 8th Do " 15 Do " " 121
" Do 9th Do " 13 Do " " 855
" Do 7th Do " 12 " " " "
" Do 8th Do " 26 September " " 1018
Controller of P.W. Accts " 23d November " " 2771
Genl Supdt P.W. Store Work Shops " 10th Dec 5th " " " 2951 1029
Consulting Engr Madras " 9 October " " 76
Inspr Genl of Police " 21 September " " 1384
Supdg Bd of Revenue " 2d Nov 5th Do " " 8007
" " " 17 Do " " 8323
" " " 30th Do " " 8591
" " " 31 October " " 7879
" " " 22d Do " " 7603
" " " 16 Nov " " 8391 8672
Regr of the Madras Govt Rev Deptt " 23d Do Do " " 2215
Dr of Pub. Instn " 1st Nov " " 2276

Read again Regr of Madras Govt in the Mily Deptt of 2d Nov No. 3809 & recorded in G.O No. 3610 of 15 Nov 1866.

Read again letter from the Comg Engr for Railways of 2d Nov and recorded in G.O No. 3574 of 8th Nov 1866.

J.

From the Secretary to Government
To the Auditor General
Public Department
No. 3938, dated 11th December 1866.

Sir,

I am directed to transmit for your information a copy of the Proceedings noted in the margin.

I have the honor to be
Sir
Your most obedient Servant
[illegible]
Secretary to Government

Auditor General
Accounts of Education &c
Civil Engineering &c &c
Fort St George

Copy of the Proceedings noted in the margin, forwarded to the Secretary to Government, Public Department, for information.

By order
[illegible]
Secretary to the Auditor General

Auditor General's Office
11th December 1866.

(1)

The papers above
read are the Divisional
and other Budgets of
works proposed to be
undertaken from Im-
perial and Local Funds
by Officers of the Pub-
lic Works Department
during the year 1867/68

2. The demands of
the Superintending Engrs
above mentioned on account of
Imperial works amount
in the aggregate to
Rupees 103,18,954, as
shown below-

For

Divisions	For New Works.	For Repairs	Total
First Division	528.277	395.217	923.494
Second Do	389.138	218.493	607.631
Third Do	383.592	354.722	738.314
Fourth Do	3347.662	641.260	3988.922
Fifth Do	804.105	297.694	1101.799
Sixth Do	456.355	368.082	824.437
Seventh Do	1300.005	286.591	1586.596
Eighth Do	277.758	300.003	577.761
Total	7486.892 -	2862.062 -	10348.954

× Exclusive of Inundation

3 The attention of
the Sup.g Engrs will
be drawn to the ne-
cessity for their bud-
get estimates being
prepared more with re-
ference to the outlay
in their respective

Divisions in previous
years and to the funds
which are likely to be
made available. It
must be apparent
that a budget, such
as that submitted by
the Superintending Engr.
of the 4th Dn. in which
the demands on account
of new works
for three Districts
are in excess of the
entire allotment for
the whole Presidency
under that head

of Services, can answer
any useful purpose, but entails a vast
amount of labor on
the Government Offices
in the examination of
a long catalogue of
works, for most of
which ~~there is returned~~
~~funds~~ no provision can
possibly be made.

4. The Circular of
the Government of India
No. 83, dated 7th October
1866, fixes the allotment
for this Presidency for
the ensuing Official
year at 82 Lacs, irre-
spective of State outlay

on

on Chunnamkoh Road
under which the Civil
Public Engineer estimates
at Rupees 171,875.8.-,
or 17 inclusive of that
Item at Rs. 83,171,875.8...
Upon the first and
current Special Issue
the grant for Miliem
Tanks, which should keep
pace at 12½ Lacs, is
only available for transfer
to other objects. Similarly, the allotment
for Irrigation New Works
for 1867/68, which has
been put down at Rs.
15 Lacs, is not to be
diverted

diverted from that
purpose, but there is no
objection to its being
augmented by transfers
from other appropriations.

5. The Right Honorable
the Governor in Council,
having given his careful
consideration to the demands
of the Superintendents and other
Officers, has resolved on
the following distribution
of the Public Works Im
perial assignment for
1867/68, and the budget
has been prepared accord
ingly -

Main Heads of Service.	Minor Heads.	Works not commenced. No.	Amount allotted	Works in progress. No.	Amount allotted	Total expenditure to the end of the previous year. No.	Amount allotted	Revenue	Grand Total.
New Works.	Military	23	328.229	33	541403	56	869.632	175.000	1044.632
	Civil Buildings	28	203.912	26	375.314	54	579.226	130.000	709.226
	Agricultural	53	761635	21	1.38365	74	12.00.000	300.000	1300.000
	Communications	7	64970	65	526.363	72	591.333	170.000	761.333
	Misc. Pub. Improvement	1	5000	2	17.650	3	24650	40.000	66.650
		112	1363.746	147	1901095	259	3264.841	815.000	4079.841
Repairs	Military	"	"	"	"	"	"	"	155.368
	Civil Buildings	"	"	"	"	"	"	"	102.010
	Agricultural	"	"	"	"	"	"	"	699.850
	Communications	"	"	"	"	"	"	"	1128.130
	Misc Pub Improvement								24.145
		"	"	"	"	"	"	"	2109.503.
Establishments Exclusive of R.V 46,707- debited to Local Funds		"	"	"	"	"	"	"	1815.226
Tools and Plant		"	"	"	"	"	"	"	
State outlay in connection with Madras Railway Co		"	"	"	"	"	"	"	150.000
Do on Railways.		"	"	"	"	"	"	"	45.432
		"	"	"	"	"	"	"	191.295

25

6 The Accountant General will be pleased to take the Public Works Revenue Deposits and Remittances of the Secretary of State in Council under the following heads of account, viz.

Public Works Revenue and Receipts on account of the Provincial Public Works Department, Madras, Civil Buildings, Public Works Revenue Deposits and Remittances, Civil Buildings, Provincial Public Works Revenue Deposits and Remittances, Civil Buildings, Public Works Establishment Charges

allotment for which
in 1867/68 will, partly
from the cause and
partly from the more
liberal grant which has
been made by the
Govt of India, exceed
the Current years assign
ment by (Rs. 11,75,407
The appropriations
to "New Works. Military"
include provision to
the extent of Rs.

Rupees.	5,36,474	For the accommodation of troops
"	75,900	For Barracks.
"	78,158	For Commissariat
"	179,100	For Staff.
Total Rs	*8,69,632	

* against Rs. 7,17,000 in 1866/67.

The grant for
"Civil Buildings" (New)
has been distributed
as follows.

Jails -	367,356
Collector's & Taluq Cutcheries -	99,000
Court Houses	41,848
Ecclesiastical Buildings	2,000
Police Buildings	31,900
Salt Buildings	222
General Buildings	36,900
Total Rs	*5,79,226.

* against Rs. 2,20,926 in 1866/67.

The allotments for
Agricultural New Works
and Communications un-
der the several Sub
heads are shewn below.

Irrigation

Agricultural	Irrigation Canals	Rs.	10,38,395.
	Tanks	"	90,048.
	Dykes	"	13,297
	Drainage	"	38,259
		Total Rs	×1,20,000

+ Against Rs 4,12,922 in 1866/67

Communications	Roads		1,32,083
	Bridges		99,250
	Navigable Canals		60,000
		Total Rs	*591,333

* Against Rs 5,31,626 in 1866/67.

10. Three works have been provided for under the head "Miscellaneous Public Improvement" with an allotment of Rs. 24,650.

o Against Rs 14,9·50 in 1866/67.

+ 8,15,000 being Rs 1,31,000 in excess of 1866/67

11 The Revenue has as usual been fixed at one tenth of the entire Public Works grant less the State expenditure in connection with the works of the Madras Irrigation and Canal Co. / and Revenue

12. Deducting the total of these appropriations from the sum marginally noted above, the balance which will remain to the credit of the Revenue on the 1st April next for distribution by Govt is Rs. 703,000.

13. The allotment for Repairs under "Military" is Rs. 22,368. in excess of the Current year's grant owing chiefly to increased demands in the Bellary District, and to the transfer of the maintenance

Roads within the Limits of Fort St George — Presidency Esplanade roads & road along the East face of the Fortress — Presidency —

× Rs 1,02,010

Rs 1,32,471

× Rs 1,55,368

Rs 1,33,000

× Rs 1,99,850

grants (Rs. 2,500 and 16,547) marginally noted from the head of "Communications" to that of "Military".

14 The assignment for Repairs to "Civil Buildings" falls short of the Budget estimate of 1866/67 by Rs. 30,461. This has arisen from the transfer to the Revenue Department of the "Conservancy" of the salt works throughout the Presidency.

15. Under "Agricultural Repairs," the provision for 1867/68 is less than

than the Current years grant by Rs 263,601. the speculation having been effected by the transfer to the Civil Department of the maintenance of the irrigation works in five Districts. The saving there would have been greater ~~than is shown~~ ~~& hence been made~~ but for the urgent necessity which exists for more liberal assignments to the remaining Districts. The grants which have been made in the outgoing Budget, as compared with the Current years allotments are shewn below.

16 The appropriations to the repair of Communications and of works classed under Civil Public Improvement fall short of the Current years budget Estimate by Rs. 16,200 and 2,600 respectively, and call for no remark.

Districts	Current years grant	Grant for 1867/68	Increase
Ganjam	14,600	16,000	1,400
Godavery	130,000	140,000	10,000
Cuddapah	32,500	35,000	2,500
Kurnool	20,500	22,000	1,500
Bellary	64,700	69,000	4,300
Presidency	2,000	3,000	1,000
South Arcot	60,000	70,000	10,000
Salem	20,500	26,000	5,500
Trichinopoly	65,389	75,000	9,611
Combatore	36,000	45,000	9,000
Madura	34,294	40,000	5,706
Tinnevelly	58,445	60,000	1,555

17 The Controller's budget of Establishments amounts to Rs. 19.17.215. This has been reduced to Rs. 18,61,931, a provision which the Govt are persuaded will be found in the aggregate to be amply sufficient to cover all demands that may arise.

18 The Estimate for the salaries of Taliaj Overseers has been increased from Rs. 134.640 to Rs. 174.180 with reference to a scheme which has been submitted to the Govt

of

of India for the division of that class into three grades, as follows, with progressive rates of pay.

	Salary per mensem if Military	Salary per mensem if Civil.
First Grade.	85	100
Second. Do	70	80
Third Do	60	60.

19 Provision has been made for the appointment of a "Consulting Architect to Govt" on a salary of Rs. 400 per mensem, and the Govt of India have been separately addressed upon the subject.

Rs.

20 Rs. 11,400 as the Controller's Estimate of the salaries of the three Superintendents of Covenanted Officers in this Presidency - This has been reduced by Rs. 2,500 with reference to the orders of Govt noted in the margin - No 3545 - 7 dtd 1/66

21 The Govt think that an allotment of Rs. 50,000 for temporary Establishments, including those proposed to be employed on the investigation of large irrigation projects, will be sufficient for the ensuing year

22. The salary of the Mathematical Instrument Maker attached to the Presidency Public Works Workshop has been entered in the Govt Office at Rs. 4,200 per annum - This allowances should be met from the provision for "Travelling Allowances", as laid down in the Order of the 22nd May 1865. No. 1389.

The Controller pro 25 vides Rs. 2,84,204 on account of Travelling

allowances for the En-
tire Department and
Rs. 102,000 for Military
Pay and allowances
under "Contribution."
These charges have been
reduced to Rs. 200,000
and 95,000 respectively,
which the Govt. be-
lieve will be sufficient.
Under any circum-
stances, His Lordship
in Council cannot
consent to any aug-
mentation of these
grants as fixed for
the coming Official
year, until he has
had

had placed before
him, reliable informa-
tion in support of an
application for a larger
Establishment. From
the Controller's own show-
ing, in para 7 of his
letter above read, it
appears that the outlay
on Travelling allowances
during the Current Of-
ficial year is likely
to fall short of 200,000 Rs.
The provision of
Rs. 1920 for Travelling
Allowances under "Re-
-counts" seems scarcely
necessary

* 23rd June 166

necessary, as it is believed that not more than 5 per cent of the Current year's grant has been appropriated To meet unforeseen contingencies, the Govt have resolved to allot Rs. 600 for the year 1867/68, and, should an augmentation of that assignment be necessary, it can be made hereafter from savings under other heads.

With

× Rs 18,28,350

25. With these alterations the Budget of Establishments amounts to Rs. 18,61,931 or Rs. 33,881 in excess of the Current year's Estimate - This excess arises chiefly from the increased provision which has been made for Temporary Establishments to admit of the employment of Survey parties for the investigation of large irrigation projects in connection of the Districts of this Presidency -

26 The amount which is chargeable to

to Imperial and Local Funds on account of Establishments is Rs. 18,15,224 and 16,707 respectively -

27. The provision under the head. "Tools and Plant" amounts to Rs. 150,000, a sum equal to the budget Estimate of the Current Year - For the reasons explained in the letter from the General Supdt. of P.W. Mines and Workshops above read, the Governor in Council resolves to adopt the Statement which that Officer has submitted, and to sanction the following distribution

Districts or Departments	Tools & Machinery	Tools	Plant	Office furniture	Carriage & Harness	Live stock	Total	Repairs & Contingencies & Office Establishment	Grand Total
Ganjam	Sewing Machine	200	"	"	"	"	200	800	1000
Vizagapatam	"	200	"	"	"	"	200	800	1000
Godavery	"	500	"	"	"	"	500	5000	5,500
Kistna	"	500	1500	"	"	"	5000	850	6,850
Nellore	"	500	"	"	"	"	500	500	1000
Bellary	"	350	"	"	"	"	350	325	675
Cuddapah	"	500	"	"	"	"	500	225	725
Kurnool	"	300	"	"	"	"	300	200	500
Trichinopoly	"	300	150	150	"	"	600	800	1400
Madura	"	500	"	300	"	"	800	600	1400
North Arcot	"	200	"	150	"	"	350	500	850
South Arcot	"	400	150	400	150	"	900	200	1100
Salem	"	500	"	130	"	"	630	450	1080
Bangalore	"	"	"	"	"	"	"	"	"
Canara	"	"	"	50	250	"	300	1800	2100
Cuddapah	"	"	"	"	200	"	600	300	900
Coimbatore	"	200	"	200	200	"	600	300	900
Malabar	"	1700	"	"	"	"	1700	1600	3300
South Canara	"	1050	500	"	"	1500	3050	1800	4,850
Madura	"	400	"	"	"	"	400	1100	1500
Tinnevelly	"	300	"	250	300	"	850	1800	2650
Total	"	500	300	100	300	"	1200	420	1620
Genl Supdt Fld. Sick	"	9100	3600	1530	1200	1500	18930	21070	40,000
Depôts							10000	20,000	30,000
Supplies from England	"	4,000	6,000	"	"	"			80,000
G. Total	"	"	"	"	"	"	"	"	150,000

28 The Budget
of Note Expenditure
on account of Guaran
teed Companies amounts
in the aggregate to Rs.
2,40,327-8--, as follows.

Guaranteed Companies.	For Establish ments	For Land	Total.
Railway Companies	57,523 1/2	137,372	194,895 1/2
Madras. Rs. 1 & 000	33,432 --	12,000	45,432
	90,955 1/2	149,372	240,327 1/2

29. The Estimate
of the Consulting En
gineer for Railways
is Rs. 600 less than
that which was passed
in G.O. No. 3574, dated
8th

8th November 1866. This
reduction has been carried
out with reference to the orders
of the Govt of India
in the Financial Depts
under date the 28th Septr
last disallowing the
increase of Rs. 50 per
annum which was
recommended to be
made to the personal
allowance of the Con
sulting Engineer, Gen
eral Commanded Resolution
30 from the Budgets
submitted by the Board
of Revenue and the Direc
tor of Public Instruction,
the Govt note that the
estimated expenditure
from Local Funds thro
the

the Agency of Public
Works Officers in Ro
5,13,791 which is the Actua
due hitherto -

Imperial Funds — Revenue Account — Estimates

Public Buildings - 2,38,167 - 1,67,821 - 10,598 - 4,40,587
Educational Buildings - 57,679 - 3,125 - 6,145 - 66,949

Total - 2,95,846 - 1,70,946 - 16,743 - 5,07,536

31 The following
Abstract exhibits in
one view the distribution
ment of the Imperial
and Local Fund allot-
ments to the
several
heads of the Budget-

Items.	Imperial Funds	Local Funds	Imperial Funds	Local Funds	Imperial Funds	Local Funds	Imperial Funds	Local Funds	Total Imperial	Total Local	Grand Total.
	Military Works		Civil Buildings		Agricultural		Communications		Misc. Public Improvements		
Part II New Works	869,632	"	5,79,226	57,679	12,00,000	"	591333	2,26,380	24650	"	32,64,841	2,84,059	35,48,900
Grant for Minor Works	175,000	"	130,000	"	3,50,000	"	170,000	11,787	40,000	"	8,15,000	11,787	8,26,787
Part III Repairs	155368	"	1,02,010	3,425	6,99,850	"	11,28,130	1,67,821	24,145	"	21,09,503	1,71,246	22,80,749
Total for New Works and Repairs	12,00,000	"	8,11,236	61,104	21,99,850	"	1889463	4,05,988	88,795	"	61,89,344	4,67,092	66,56,436
Part IV Establishments	"	"	"	"	"	"	"	"	"	"	18,15,224	46,707	18,61,931
Part V Tools & Plant	"	"	"	"	"	"	"	"	"	"	1,50,000	"	1,50,000
Part VI State Expenditure on works of the Madras Agency	"	"	"	"	"	"	"	"	"	"	45,432	"	45,432
Do on Railways	"	"	"	"	"	"	"	"	"	"	1,94,895½		1,94,895½
Grand Total	12,00,000	"	8,11,236	61,104	21,99,850	"	1889463	4,05,988	88,795	"	83,94,895½	5,13,799	89,08,694½

32. The special attention of the Superintending Engineers is drawn to the following remarks.

New Works.

33. Rs. 88,500 have been allotted for the construction of new Taluq Cutcherries in the districts noted in the margin. The Superintending Engrs concerned will prohibit any expenditure being incurred upon these

Kistnah — Godavery — Cuddapah
Bellary — Nellore — Salem
Tanjore — Trichinopoly — Coimbatore —

these buildings until revised plans and Estimates have been sanctioned by Govt with reference to their Rules of the 11th Septr, ~~21st~~ 8th November 1866, as modified by 23rd December 1866, ✱ 3842 ✱ 3564 Rs. ✱ Vide 2907 ~~3564~~ providing sufficient and suitable Subordinate Jail accommodation — The Superintending Engineers will submit at once their views as to the alterations required in each case to meet all the requirements of a Taluq Cutcherry with subordinate Jail attached, and they will at the same time furnish a sketch of the arrangements they intend to propose —

37. Oudtshoorn.

The Estimate for excavating a new head and building a new head sluice and Dyke to the Verkeerd Valley Channel having been sanctioned since the receipt of the Superintending Engineer's budget, the entry has been made in the Govt Office.

G.O. 3282 7/5 Oct 7/11

38. Namaal. Rs. 7,700, or the full amount of the Estimate for the Valley Outcherry at Koilgoontla, is proposed for

37 295

for expenditure in 1867/68 Rupees 3,500, having been allotted for the work in G.O. No. 1721, 27 31st Oct 1866, the balance has been entered in the budget. The Govt request that, if the erection of this building have not already progressed too far, the Superintending Engr will submit a revised plan and estimate in accordance with para 33 of these Proceedings, suspending operations on the building for the present.

Bellary

39. Bellary. The Superintending Engineer enters in his budget Estimate several works for which no figures are required in 1867/68. These should clearly have been omitted, and Major Mabey will be careful to see that the entries in future budget Statements are restricted to works upon which expenditure is proposed to be incurred.

40. As the Establishment of Non Commissioned Staff attached to Native Troops is proposed to

to be discontinued, the Estimates for Commanded walls and Mud houses for Quarters of the Staff Sergeants of the Native Corps in Bellary has been struck out.

41. The construction of the proposed Garrison Mosque at Bellary will be deferred till works of more pressing importance have been provided for.

42. The Estimate for the Taluq Cutcherry at Adoni is entered in the Superintendents List at

at Rs. 12,000/- Rs. 12,100/- having been sanctioned in the Order of the 24th Nov. 1864, No. 3370, that amount has been inserted in the Govt Office -

43. The amount of the sanctioned Estimate for the Taliay Putcherry at Manamelly is Rs. 9,850, and not Rs. 13,290 as shewn in the Superintendt's budget - See G.O. No. 375, dt 9th Feby 1865.

44. Pendency. 24/ The alleration in the Commissariat Arrack and Porter Depot, sanctioned in G.O. No. 1218, dated 19th April 1866, are in progress under the authority conveyed in the Proceedings of Govt. No. 1919, dated 20th June 1866, but the Superintendt. should lose no time in laying before Govt. the revised Estimate which was called for in the former of those orders.

45 - The charge for wood work for the Pier is debitable to Port funds.

The

× Rs 20,000

146. 1 - The works noted in the margin have been omitted in consequence of the anticipated early establishment of a steam post service between Bombay and Suez, by which route invalids and time expired men will be sent to England, and recruits received.

Semi permanent Barracks at Ponnamallee - Estimate
Semi permanent Barracks and Bathrooms at do - Estimate
Semi permanent Guard and Association Rooms and Guard Room Cells at - do - Estimate Rs.

147. The undermentioned roads appear to have been in progress from Income Tax funds.

(1) District Road from Tiruvallur to Nagalapuram - Estimate Rs. 21,400 ⊗

(2) District Road from Polloorattabo to Sullivade - Estimate Rs. 13,300 ⊗

(3) Road from Sullivade to Conjeveram - Estimate Rs. 19,000 ⊗

⊗ Sanctioned G.O. No. 2013 of 1864

(4) Do from the 5th Mile Stone on Trunk Road No. 6 to Chinnamolien Chavadi, via Sholinghur Modelly to Chowdry - Estimate Rs. 13,300 ×

× Sanctioned G.O. No. 469 of 1864

These lines being essentially Local, the cost of their completion would seem to be a legitimate charge upon the Local Funds of the District, and the question of providing the unallotted balances from that source will accordingly be considered in the Revenue Depts.

The

48. The Order which should have been quoted in support of the Estimate for the completion of the road from Terroocaliconodum to Sachras is No. 3767 5th February 1864

49. The road from Cholapauttum to Cheyoor and several other works are entered in the Superintendent's Statements with the remark that they were included in last budget, but that no funds were provided for them. The Order sanctioning the Estimate in each case should have been quoted

50. North Circle - The Superintending Engineer states that the Estimates for the following Projects are under preparation -

1 Constructing road improving road from Nelvoy to Pulticondalo -
2 Constructing road from Checonum to Nagavedu
3 —do— from Venkatagherry to join Calastry road at Yanepetta -
4 —do— from Naidoopetta Village to Join Trunk road No. 6.
5. Completing the channel from the Peroomalacoopum to the Vellymully Tank -

Coll. Boileau's attention is called to the Orders noted in the margin,

No 744-6 March 166.
" 2951-13 Sept 166
" 518- 12 Feb 166
" 145- 12 Jany 166
" 1815- 9 June 166

which, it is believed, con
vey the sanction of
Govt to the Estimates
for these very works.

51. The improvement
of the land and the
construction of a Calin
just each and sluice
to the Manandoor
Tank (upon the Es
timate of Rs. 4330
which accompanied
the Superintg's letter
No. 4,202 dated 17th
February 1866) should
not be put in hand
till orders have been

passed upon the fur
ther report which has
been called for in the
Proceedings of Govt
No. 3122, dated 2nd
October 1866.

52. Salem. The
Supplemental Estimate
for the construction
of two new tanks at
~~Valayapully~~ is given
in the Superintg's Bud
get at Rs. 2813-0-0
Govt will observe
from the order of the
3rd ~~October~~ 1862, No. 2891,
that the amount sanc
tioned by Govt was
Rs. 2840-0-0

53. The completion of the "extension of the Southern Range of Stables at the Remount Depot at Hessur," which was sanctioned in G.O. No. 1021, dated 28th March 1866, will be deferred pending ~~receipt of the report~~ the ~~settlement~~ of the special Commission appointed ~~to the selection of the position of the Establishment~~ to inquire into the present system of Remount in the Madras Army -

54 Bangalore.

Memo 12 to 53 of Part II of the Budget are works connected with the Barracks which have been in

257

in course of erection for some years on the old Race Course at Bangalore - These buildings were originally intended to provide accommodation for a Regiment of Cavalry, but at the same time decided to add build=ings for the accommo=dation of two Batteries of Artillery - This increase and the much greater extent of accommodation which it is now considered necessary to pro=vide for all Arms of the Service have tended to raise the total cost of

the Barracks and
subsidiary buildings, to
for a sum considerably
in excess of that originally
sanctioned - Looking
to these circumstances,
and to the fact that
standard plans have
yet to be issued for
many of the subsidiary
buildings, the Governor
in Council has resolved
to treat each work con
nected with these barracks
separately, and to pro
vide funds for their
construction as the
plans

plans and Estimates
receive the sanction
of Government -

55 Bombaim -

The sanctioned Estimate
for "alterations to the
Millington Prince"
being Rs. 28,122 that
amount has been en
tered in the outgoing
Budget - The Superintendent
applies in this Budget
Statement for a further
sum of Rs. 2,654:11:
but the Govt are unable
to comply with this
application in the ab
sence of full and satis
factory explanation
of the necessity for
or

a supplemental grant.

56. The Collector of Tinnevelly reported that the Anicut across the Tambraparny river at Srivaikuntam, for which Rs. 14,953 and 13,169 respectively are provided in the Current and outgoing Budgets, should not be proceeded with until the receipt of the orders of the Govt. of India upon the Plan which was submitted for their approval in Letter No. 1615, dd. 1866.

57. The revised Estimate for the Central Jail at Cuddalore

should be laid before Govt. without further delay, for transmission to the Govt. of India.

58. The Estimated cost of the "Aqueduct over the Manjakuppam Stream" has been altered from (Rs. 14,913 to Rs. 14,930) the amount which is the amount sanctioned in the order quoted by the Superintending Engineer -

59. Collector - On reconsideration, the Governor in Council has resolved to treat the road from Villupuram to the Coorg Frontier as an Imperial Line and to provide

See P. W. Proc. No 3176 - 5 Oct. 1866
Rev. " " 2923 - 29 " "
P.W. " " 3579 - 5 Dec. "

a sum of Rs. 17,500
for its construction in
the outgoing Budget -

60. South Canara -
No allotment has
been made for the
Quay at Mangalore,
as the cost of that
work is chargeable
to Port Funds -

Repairs.

Demands -

61 Demands on
account of Local
Fund projects should
not have been included
in the Superintending
Engineer's Budget estimate
which should be restricted
to Imperial works.

62. To avoid dis
appointment and con
fusion, the Governor in
Council directs that no
maintenance grants
shall be entered in Pub.
III of the budgets of Sup.
Engineers for future
years unless the Estimates
have received the pre
vious sanction of Govt.

63 Some of the Sup.
Engineers have applied for

Ganjam. Road from Bellepuchia to Khurchooly — 6 miles — Rs 610

Road from Aska, via Bellepuchia to the North bank of the Mahanuddy River 8 miles 250.

Estimates for these annual maintenance grants should be submitted in due course

65. Vizagapatam -

No estimate has yet been furnished for the increased annual maintenance grant which is entered in the Current and outgoing budgets for a portion of the Jeypúr road; The Superintg.s attention is called to the Orders noted in the margin. No estimate

for grants considerably in excess of those assigned in the Current year, for the repairs of Traveller's Bungalows. The attention of these Officers will be drawn to the Orders of Govt. in the Revenue Deptt. communicated with P.N. Proceedings No. 3617, dated 26th October 1866, and they will be informed that any allotments which may be required in excess of those provided in the outgoing Budget must be provided from Local Funds.

No 2826 - 18 Oct/66

Ganjam

No 405 of 25/166 - Para 42
1532 - 12 Aug/166

66. Kurnool. Estimates should be submitted in due course for the maintenance of the towing paths along the Kavalepalam, Ellur, and Nizampatam Canals, for which Rs. 1,440, 810 and 1230 respectively are allotted in the outgoing budget.

67. Kurnool / Bellary. The Annual grant maintenance allowances for the undermentioned roads are noted opposite to each

Road from Kurnool to Gooty - Rs. 8070
do from Koodalaroy to Kumpli — — 1900

The Govt. observe that the

the Superintendg. Engr. has entered Rs. 7650 / 1356 respectively for these lines in his Estimates for 1867/68. It is presumed that the difference in each case represents the cost of the Petty Establishments which are proposed to be employed upon the works, but this should have been explained.

68. Kurnool and Bellary

The maintenance grants for the roads noted in the margin are entered by Mojr. Moberly at Rs. 6,240 - 2978 - 640 - 1,400 and 11,652 respectively against Rs. 6,180. 2876 - 460 - 1260 and 10632 in the

Kurnool - Road from Gazulapelly to Kristnamattypelly den.
do — Road from Kristnamatty to Pulli & Bellur frontier
do — Annual Repairs to Gadwal
do — do — to Imum Shaik
Bellary - Road from Tornagal to Bellahoorey.

Current Budget. In the absence of any explanation of the causes of these excesses, the Letter cannot have been entered in the outgoing Budget.

69 Residency. The Superintendent of the Ho. Br. applies for largely increased grants on account of Repairs, but furnishes no explanation of the insufficiency of the present allotments. The Govt. regret that, with due regard to the requirements of other Roads, they have been unable to increase to any appreciable extent the

the Current years assign-ments.

70. The maintenance allowances for the under mentioned Roads have been entered against the Three Districts in the outgoing Budget, and the Superintendent authorized to make arrangements for keeping over the full amount to the Municipal Commrs after the 1st April next.

Esplanade Roads.	Rs. 11,017
Road along the East face of the fortress	2,500
Roads over Govt bridges and within the limits of Govt compounds	9,395

The

71. The actual outlay in 1864/65 and 1865/66 on Repairs to roads of "Miscellaneous Public Improvement" at the Presidency having been very trifling, the Govt. have resolved to reduce the allotment under that head for 1867/68 from Rs. 4,000 to Rs. 500

72. South Arcot. The sanction of Govt. should be obtained in due course to the item of Rs. 1,400 which has been provided for the road from Cuddalore to the Coleroon in excess of

of the Current years grant.

73. Salem - Estimates should be submitted at an early date for the new and increased grants which have been provided in the outgoing Budget for the undermentioned roads.

From Harur to Uraiyur Rs. 800. New Grant
From Salangiri to Shanagalpatti ... 500 do
Yercaud and Salem Cattle Road — 570 - Increased do

Road from Thagadur to Shanakkal Rs. 1100
Road from Nallampatti to Vazhur " 1000
Road from Vazhur to Sadarpettiam " 1200
Road from Shanakkal to Vazhur " 1100
Road from Sadarpettiam to Chittan: dabandam — " 1110
Road from Poothiam to Thaniampally " 800
Road from Kumaramangalam to Andalam — " 1540

74. The maintenance allowances noted in the margin, being chargeable to Local Funds should not have been entered in the Imperial Budget - See Ps @ No. 2178 dt. 11th July/66

75. Tanjore and Trichinopoly - The Supg Engineer of the 6th Dn having made no provision for the repair of Havelle's Bungalows, it is presumed that funds are not likely to be required for that purpose in 1867/68.

76. Combaconum. The maintenance grant of Rs 3520 which is applied for on account of the new Coonoor Road has been disallowed, with reference to the Order of Govt dd 3300, under date the 19th October 1866 but a corresponding amount has been provided in the Budget of Local Funds

Madras

77 Madura and Tinnevelly - The Superintending Engineer of the 8th Division is requested to expedite the submission of Estimates for the increased maintenance allowances which have been provided for the road from Dindigul to Palamcottah and from Palamcottah to Tuticorin -

78. The following Statement exhibits the amount which will be available in each District from Imperial and Local Funds on the 1st April 1867 -

+ Rs 1900
- 600

Districts	Original Works	Minor Works estimated to cost less than 500 Rs.	Repairs	Tools and Plant	Total
Ganjam	82483	4000	65537	1000	153020
Vizagapatam	62127	3000	48004	1000	114131
Godavery	262310	6000	207348	5300	481358
Kistna	322544	7000	145251	6830	401625
Nellore	107783	6500	48952	1000	164235
Cuddapah	35910	3000	113546	725	153181
Kurnool	24200	3000	64260	500	91960
Bellary	110098	6000	179913	675	296686
Coimbatore	198940	5000	89602	1400	294942
Madras	323412	7500	123138	1400	455450
North Arcot	213380	7000	76481	850	297711
South Arcot	126271	7000	184259	1100	318630
Salem	63082	4000	87833	1080	155995
Trichinopoly	365779	6000	26500	"	398274
Tanjore	165219	10000	91630	2100	268949
Coimbatore	123443	8000	141647	900	273890
Malabar	364073	3500	166615	3300	526488
South Canara	467128	5000	128297	4850	605275
Madura	41965	2000	48343	1500	93708
Tinnevelly	74300	4250	110240	2650	191440
~~Hyderabad Contingent~~	36050	4250	143853	1620	185773
Genl Supdt Public Works & Store Workshops	"			30,000	30,000
Total	3560687	112000	2280749	70,000	6,23,436

Nos. 3 to 6, 8 to 10, 29, 33, 34, 35, 40, 42, 43, 46, 58 to 62, 64 to 67, 69 to 74, 76, 105, 131, 148, 157, 161, 173, 187, 191.

Part II and all maintenance grants for which estimates have not been approved by Govt.

79. The Supdg Engr to will expedite the submission of Estimates for works noted in the accompanying Statement, and they will inform their Executive Officers that no outlay is to be incurred on the items entered in the main Statement until the Estimates have received the sanction of Govt.

80 The estimated outlay from Guaranteed Capital is shewn below:-

Madras Railway	53,60,000
Spent on Indian Railway and Trade Extension	6,90,000
Madras Irrigation and Canal Co	15,50,000
	76,00,000
Deduct receipts, as estimated by the Railway Authorities, from Sale of Stores	14,91,334
Yes: to be credited to Capital	
Do Irrigation & Ceded authorities from 10,000	1,501,334
Do do do	6,98,666

21. The Government note that Capt Mullins' Budget of Ordinary Expenditure from Guaranteed Capital has been prepared with reference to the rules ~~of~~ No 3168 dated 5th October 1866, a copy of which will now be furnished to the Govt of India.

22. Orders on the Budgets of Local Funds which have been submitted by the Board of Revenue and the Director of Public Instruction will be separately issued, and a List will then be furnished to the Superintendents

of the works which are proposed to be executed by P.W. Officers from the Local Fund grant for a Minor Works under "Civil Buildings" Communications."

24/

To SE
" Controller
" AG
" Public Works Dept.
" Revenue "
" Irrigation "
" Officer in ch of the Store Dept.
" Sl Supdt of P.W. Stores & Workshops
" H. Russell Esq. CE. Spl Exp Engr
" Com Engr for Rys
" Com Engr for the Rs. 2 & Cl Co
" Manager Native Newspapers
" Draftsman Secretariat
" Bd of Rev
" Director of P.I.
" Inland Comm

} With budget, with copy of letter to Govt of India, Mil Rev Dept No 2213 of 66, and two statements

With Budget

Despatched as per list attached. 20/12/66

Signed copy of this order with one copy of the Budget & of the letter to Govt of India, and of the Revd Profs dispd to the S. Engr 4th Dist on the 17th Dec/66.

Copy received from Allen to Dig[illegible] Land
& P.W. Jan[illegible] dt 2 Jan[illegible] 1867

[illegible] Dept
[illegible] Govt for Order
No 3939
Pub[illegible] Mr Alexander
[illegible] Dear 1866

233@251

No 3939

To The Secretary to the
Government of India
Public Works Department

Sir, I am directed by
the Right Honorable the
Governor in Council to
transmit the Budget of
Public Works proposed
to be undertaken in
this Presidency during
the ensuing Official
year. The Circular of
the Government of India
No 83, dated 4th October
last, fixes the Imperial
grant for Madras for
1867/68 at 82 lacs, irre
spective of State outlay
on Railways which the

233@254

Consulting Engineer
estimates at Rs. 1,94,895-8-0
or inclusive of that
item at Rs. 83,94,895-8-0

3 The expenditure
from Local Funds by
Officers of the Public
Works Department being
calculated at Rs. 513,799
the total estimated outlay
on Public Works* during
the coming year from
all sources is Rs. 86,68,367
being Rs. 12,45,985 in
excess of the budget es-
timate for the Current
Official year.

From Grilt Road
Fund — Rs 44,680
" Educational
Building — 67,213

* Excluding State outlay
on guaranteed Cos

* Imperial Rs. 12,12,640
Local Funds — 33,345

The

4. The distribution
of the available funds
over the several parts
of the budget is clear
ly shown in the sub
joined Statement, and
I am to explain that
in proposing this distri-
bution the Governor
in Council has kept
in view the orders of
the Government of
India which reserve 15
and 12 Lacs for appro-
priation to Original
Irrigation Schemes and
to Military new works
and repairs respectively.

Funds.	Part II — New Works. Military Civil Buildings	Civil Buildings	Agricultural	Communications	Public Buildings	Total	Part III (Retrenchments) Military	Civil Buildings	Agricultural	Communications	Miscellaneous Public Buildings	Total
	No. of Works / Allotment	No. of Works / Allotment	No. of Works / Allotment	No. of Works / Allotment	No. of Works / Allotment	Allotment						
Imperial	56 8,69,652	25 5,79,726	74 13,00,000	72 5,91,333	3 24,650	259 32,64,841	15,53,368	1,02,410	6,99,850	11,28,130	24,185	24,185
Do. Minor Retrenchment	1,75,000	13,000	3,00,000	1,70,000	4,000	3,15,000	"	"	"	"	"	"
Central Road Fund	"	"	"	50 2,26,350	"	50 2,26,350	"	"	"	1,67,821	"	1,67,821
Educational	"	11 57,679	"	11,987	"	11 57,679	"	3425	"	"	"	3425
Total	56 10,44,652	25 6,66,405	74 15,00,000	122 9,99,500	3 24,650	320 43,75,687	15,53,368	1,05,835	6,99,850	12,95,951	24,185	24,185

5 Part II of the budget includes 259 Imperial projects of which those noted below (6 in number) require the sanction of the Government of India -

1 Lawrence Asylum Buildings - Coimbatore district
2 Lunatic Asylum - Presidency -
3 Central Jail at Rajahmundry - Godavery district
4 Central Jail at Coimbatore - Coimbatore do
5 Regulating works for the river Cauvery - Tanjore District -
6 Coonoor Ghaut new Trace - Coimbatore District -

Part IV	Part V	Part VI			Total
Miscellaneous	Local Fund Plant	Plant expended Imp. on works Rs. 50,000	Plant & Stores Advances or Recoveries		
18,15,224	1,50,000	45,432	194895½	8908694½	79,79,853½
"	"	"	"	"	8,15,000
40,598	"	"	"	"	4,34,799
6,109	"	"	"	"	11,987
					67,213
18,61,931	1,50,000	45,432	194895½	8908694½	

6. The Government of India have been separately addressed on the subject of the designs for the Lawrence Asylum Buildings (Item 1) and Lunatic Asylum (Item 2) and have been informed that the revised estimates for the new Coonoor Ghaut (Item 6) which were submitted with our letter No. 3301 dated 16th October 1866, The Superintending Engineers of the 1st and 7th Divs have reported that the revised estimates

for Items 3 and 4 above will be ready by the end of April. I am to state that no time will be lost in laying those estimates before the Government of India with full explanation of the causes which have originated in producing the large increase over the amount originally sanctioned in each case.

8. The other works entered above have not been commenced, and care will be taken that except on the preparation of materials, no expenditure is incurred upon them until the plans and estimates have received the approval of the Right Honorable the Governor General in Council. I am also to explain that Items 12 to 34 of Part II of the Budget are works connected with the Bar. Packs which have been in course of execution for some years on the old Race Course at Bangalore. These buildings, as the Post of India are, were originally

intended to provide
barrack accommodation
for a Regiment of Cav
alry, it has since
been determined to add
buildings for the accom
modation of two Batteries
of Artillery. This mea
sure, and the much
greater excellent of accom
modation which it is
now considered necessary
to provide for all ranks
of the service, have
tended to raise the total
cost of the Barracks
and subsidiary buildings
to a sum considerably
in excess of that origi
nally sanctioned.

Looking

Looking to these circum
stances and to the fact
that Standard plans
have yet to be issued
for many of the subsi
diary buildings, the
Governor in Council
has deemed it advisable
to treat each work con
nected with these Bar
racks separately and
to provide funds for
their construction as
the plans and estimates
receive the sanction of
Government

10 The following
Statement will shew, at
a glance, the appropria
tions which have been
made

made under the several
budget heads to in
finished new works and
to works which it is pro-
posed to put in hand
in 1867/68—

Imperial Rs. 19,01,095
Local Fund - 1,57,443

Imperial Rs. — 13,63,746
Local Fund - 1,25,616

Allotment	Civil Buildings — Agriculture								Communications — Ms. Pub. Imptts								Total			
	Incom. Hulk works	Amount	Works not commenced	Amount	Total	Amount	Incomplete works	Amount	Works not commenced	Amount	Total	Amount	Incom. Hulk works	Amount	Works not commenced	Amount	Total	Amount	Incom. Hulk works	Amount	Works not commenced	Amount	Grand Total	Amount
Imperial	33	5,41,403	23	3,28,229	56	8,69,632	26	3,75,314	28	2,03,912	54	5,79,226	21	4,38,365	53	74,466	12,00,000	65,26,363	7	64,970	72	5,91,333	2	19,650	1	5000	3	24,650	147	19,01,095	112	13,63,746	259	32,64,841
Dt Road	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	27	19,059	23	1,07,321	50	2,26,380	"	"	"	"	"	"	"	"	"	"
Educational	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	5	38,384	6	19,295	11	57,679	"	"	"	"	"	"	"	"	"	"
Total	33	5,41,403	23	3,28,229	56	8,69,632	31	4,13,698	34	2,23,207	65	6,36,905	21	4,38,365	53	74,466	12,00,000	92,64,522	30	1,72,291	122	8,77,713	2	19,650	1	5000	3	24,650	179	20,58,538	741	14,90,362	320	35,43,900

" The Government of India will observe that the proposed assignment to new works for 1867/68 exceeds the Current Year's grant by Rs. 11,70,631. This I am to explain, arises partly from the more liberal allotment which has been made for this Presidency for the coming year, and partly from the transfer from the Public Works to the Revenue Department of the Conservancy of the salt works in the Canal Districts and of the Irrigation works in Vizagapatam, Nellore, Madras North Arcot and Tanjore. These changes have been carried out in pursuance of the views of the Govt of India communicated in your letter No. 850 A, dated 18th September 1866, and I am to state that in the event of the partial transfer which has been ordered as an experiment, proving successful the change will be generally adopted throughout the Presidency and it may then be possible to arrange the Executive changes more in consonance with the system in operation in the other Presidencies. Meanwhile, with the increased assignment about to be sanctioned for

for new works, no change will be made.

12. The allotment for Military New Works includes provision to the extent of

Rs. 5,36,474 for the Accommodation of Troops.
Rs. 75,900 for Ordnance
Rs. 78,158 for Commissariat
Rs. 1,79,100 for Staff

Rs. 8,69,632 against Rs. 7,17,000 in 1866/67.

13. The distribution of the assignment to Civil Buildings (original) is as follows.

× Imperial

Jails

230

	Rs.
Jails	37,356
Collectorate & Judges Cutcheries ~~Establishments Chargeable to the Revenue Department~~	99,000
~~Custom Houses~~	
Court Houses	41,848
~~Ecclesiastical Buildings~~	2,000
~~Post Offices~~	
Police Buildings	31,900
Schools ——— Do ———	222
Hospitals ~~General~~ Buildings	36,900
	5,79,226

against Rs. 2.20,926 in 1866/67.

× Rs. 10,38,396 for Irrigation Canals
90,048 " Tanks
13,297 " Dykes
58,259 " Drainage.
Rs 11,00,000 against Rs. 4,12,922 in 1866/67.

14. Under Agricultural new works, Rs. 12,00,000 have been provided - of this amount Rs. 4,38,365 have been set apart for continuing operations on works which are in actual progress and are not

expected to be completed
by the 31st March 1867
and the balance Rs
7.61,635 represents the
proposed outlay on works
which have not yet been
commenced - With respect
to the former no remark
is necessary, as the principle which this Govt
have followed of providing in the first instance
for incomplete works
is that which has been
repeatedly urged
both by the Secretary
of State and the Govt
of India - (As regards
the latter, I am to state
that a selection has been
made of such works as
appear to be either most
urgently required or pro-
mise to be more im-
mediately productive -
Some of these are works
which have been deferred
from year to year on ac-
count of funds not being
forthcoming for their exe-
cution; and the information
of money being now about
to be made available
having only recently been
communicated to this Govt
there has been no time in
some
many cases to obtain
detailed or revised es-
timates from the local
officers - These have
consequently been entered in
anticipation of letters being
shortly

shortly brought under the consideration of Govt. but no expenditure on them will be permitted to take place, till each estimate has been duly sanctioned

15. The amount appropriated to Communications from the Imperial fund (new) has been thus distributed -

For	Roads	Rs. 432,083
	Bridges	Rs. 99,250
	Navigable Canals	Rs. 60,000
	In Rupees	591333

against Rs. 5,54,636 in 1866/67 -

16. Only three projects with a total estimated outlay of Rs. 24,650 — from Imperial funds (against Rs. 14,950 in 1866/67) have been proposed for New Works of a Miscellaneous Public Improvement -

17. The Revenue has been fixed at 8,15,000 being in round numbers one tenth of the Public Works Assignment after deducting the State expenditure in connection with the works of the Madras Irrigation and Canal Company -

The Allotment for Repairs in Part III of the Budget is Rs. 21,09,503

18. It will be seen that the Estimate under "Military" is in excess of the assignment for 1866/67 by Rs. 22,368, and this I am to explain is

* against Rs. 681,000 in 1866/67 -

* Rs. 155368 -

† Rs. 133000

* against Rs. 24,00,000 in 1866/67

wing chiefly to an increased allotment having been made for the Bellary District, the Military buildings in which have this year been inadequately provided for, and to the transfer from the head "Communications" to that of "Military", of the maintenance grants for the roads within the Garrison of Fort St George, and of the Esplanade roads and the road along the east face of the Fortress.

* Under the four remaining heads the provision for the

	Grant for 1866-1867	Grant for 1867/68.
Civil Buildings	132471	102010
Agricultural	963454	649850
Communications	1144330	1129[illegible]
Misc Pub Imps	26745	24145

the next year falls short of the Estimate for 1866/67 by Rs 3.11.318 of which Rs 30,461 and 26.3.601 appertain to Civil Buildings and Agricultural works respectively and the balance (Rs 18.800) to Communications and works of Miscellaneous Public Improvement - The saving on Agricultural repairs by the transfer of the Conservancy of the irrigation works in five Districts to the Civil Authorities would have been larger ~~than is shown to have been made~~ but for the urgent necessity which exists for an augmentation of the grants for the remaining Districts where the yearly assignments

hitherto sanctioned have been shewn to be utterly inadequate ~~to their requirements~~. The net reduction in the Estimate for repairs for 1867/68 as compared with the Current years grant is Rs. 2,90,497; and this amount Government to state has been appropriated to original works.

19. The budget of Establishments (Part IV) amounts to Rs. 18,61,931 chargeable to Imperial and Local Funds in the following proportions.

Imperial Funds Rs. 18,15,224
Local Do. Rs. 46,707

20 Provision is made in this part of the budget (1) for the grant of the graduated scale of salaries which was proposed for the Overseer Class in my letter No. 3067, dated 25th September 1866, and (3) for the special establishments which the Government have requested permission to employ in the investigation of long irrigation projects in various parts of the Presidency. The grants for travelling and ~~additional~~ allowances have been reduced from Rs. 2,24,502 and Rs. 18,135-6 in

(1) for the salary of the appointment of Consulting Architect vide post referred to in my letter No. 3456 of 30th October 1866.

See my letter No. 3403 of 24th Oct. 1866.

(in the Current year)
to Rs. 200000 & 164188, respectively,
which sums there is every
reason to believe will be
found to be sufficient.
On the whole, the estimate
for Establishments for
1867/68 exceeds the Current
years allotment by
Rs. 33,881, and this ex
=cess I am to state is
attributable, almost entirely, to the larger
provision which ~~it is~~
has been made,
~~for the establishment~~,
for temporary Establish
=ments.

21 The amount which
has been set apart for
"Tools and Plant" in

Rs. 18,28,050

* Equal to Current years Assignments.

in Part V of the budget
is Rs. 150,000, of which
Rupees 80,000 represent
the value of stores in
=cluded in the Indent
on the Home Government
which forms an accom
=paniment to this letter,
and the balance (Rs. 70,000)
is to cover the cost
of tools and stores to
be purchased in India
and all charges, for
landing, shipping, and
repairing machinery.

22. Part VI of the
budget, which exhibits
the State expenditure
on guaranteed Companies
amounts to Rs. 2,40,327-8-1

Os

as follows.

Guaranteed Companies.	For Establishments.	For Land.	Total
Railway Companies.	57,523-8-	137,372.	194,895-8-
Madras Irrigation and Canal Company.	33,432	12,000	45,432
Total.	90,955-8-	149,372	240,327-8-

23 The Estimate of State expenditure on Railways is Rs. 600 less than that which accompanied my letter No. 3575, dated 8th November 1866, - This arises from the order of the Government of India in the Financial Department under date the 28th September last disallowing the increase of Rs. 50 per mensem which was recommended to be made

To the personal allowance of the Consulting Engineer's Uncovenanted Assistant -

24 The proposed outlay from State funds in connection with the Irrigation Company's works is Rs. 12,640 less than the Current year's Estimate as shewn below -

Grant	1866/67	1867/68	Session 1867/68
Land.	20,000	12,000	8,000
Establishments	38,072.	33,432	4,640
	58,072	45,432	12,640

a copy of Captain Mullin's letter giving cover to his budget Estimate

Estimate is enclosed for the information of the Government of India.

25 The budget of expenditure from guaranteed Capital is as follows.

Madras Railway.	53,00,000
Great Sn. of India Railway and Bode Extension.	6,90,000
Madras Irrigation and Canal Company	15,00,000
	76,00,000

Deduct receipts as estimated by the Railway Authorities from Sale of Shares yearly to be credited to Capital Rupees — 1,491,334

Do by Irrigation & Co's Authorities do. do — 10,000 0

1,501,334

60,98,666.

With

D. No. 3168 - 5th Oct/66.

277

26. With regard to the proposed outlay of Rs. 15,50,000 on the works of the Irrigation Company I am to state that the Consulting Engineer applied to this Government on the 21st September last for information regarding the arrangements which had been entered into between the Company and the Secretary of State for the provision of funds for continuing the Company's operations - In reply Captain Mullins was informed that the Govt. had received no

no communication upon
the subject from the
Secretary of State,
and he was authorised
to prepare his budget
for the ensuing year
with reference to the "state-
ments of contemplated
expenditure" which had
been submitted to him
by the Company's
Manager - A copy
of this correspondence
is enclosed for the
information of the
Right

Note - The Secy of State's
Despatch No 19 of 1886
has not been received

Right Honorable the
Governor General
in Council -

Fort St George
14th Dec 1886

Despd 14/12/86. with 20 spare copies.

Copy sur a Letter to England
of 10: January No 2 of 1867.

21 Nov 74

[illegible]
Pro: of Paul for Decr
No 3939
Pro: of Nic Macrae Govr
of 11th Dec: 1866

SC/BB-6
5/15/23

A 255

Godavery	"	"	2.000	1.000	"	4.000
Kistnah	"	"	6.000	"	"	3.000
Nellore	"	"	7000	"	"	6.000
Cuddapah	"	"	5.000	1.500	"	7.000
Kurnool	"	"	3.000	"	"	6.500
Bellary	"	"	3.000	"	"	3.000
Presidency	4.000	"	2.000	"	"	3.000
Madras	2.000	3.000	"	"	"	6.000
North Arcot	700	200	6.600	"	"	5.000
South Arcot	200	300	6.500	"	"	7.500
Salem	"	600	6.000	400	"	7.000
Bangalore	150	400	3.200	250	"	7.000
Tanjore	5.000	1.000	"	"	"	4.000
Trichinopoly	"	2.000	7.500	500	"	6000
Coimbatore	1.600	500	5.500	500	"	10.000
Malabar	500	500	1.000	1.500	"	8.000
South Canara	1.500	2.000	500	1.000	"	3.500
Madura	"	"	"	2000	"	5.000
Tinnevelly	"	750	2.800	700	"	2.000
Total -	"	750	2.800	700	"	4250
	15.550	12.000	73.400	11.050	"	112.000

A 255

Godavery	-	-	2.000	1.000	-	4.000
Kistnah	-	-	6.000	-	-	3.000
Nellore	-	-	7000	-	-	6.000
Cuddapah	-	-	5.000	1.500	-	7.000
Kurnool	-	-	3.000	-	-	6.500
Bellary	-	-	3.000	-	-	3.000
Presidency	4.000	-	2.000	-	-	3.000
Madras	2.000	3.000	-	-	-	6.000
North Arcot	700	200	6.600	-	-	5.000
South Arcot	200	300	6.500	-	-	7.500
Salem	-	600	6.000	400	-	7.000
Bangalore	150	400	3.200	250	-	7.000
Tanjore	5.000	1.000	-	-	-	4.000
Trichinopoly	-	2.000	7.500	500	-	6.000
Coimbatore	1.500	500	5.500	500	-	10.000
Malabar	500	500	1.000	1.500	-	8.000
South Canara	1.500	2.000	500	1.000	-	3.500
Madura	-	-	-	2000	-	5.000
Tinnevelly	-	750	2.800	700	-	2.000
	-	750	2.800	700	-	4.250
Total -	15.550	12.000	73.400	11.050	-	112.000

A. 255