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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No. 372/63 Press Mg.—

Dated 15-12-63

Not to be folded or roughly handled

PUBLIC WORKS DEPARTMENT,

FORT ST. GEORGE, *15th December* 1868.

No. 3,914.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

ACCOUNT, No. 264.

1. I am directed by the Right Honorable the Governor in Council to forward for the sanction of the Government of India the Budget Estimate of the Public Works Department for the year 1869-70.

* Rupees 1,00,800.

† Rupees 41,820.

2. The Imperial allotment for Madras, inclusive of State* outlay on Guaranteed Railways, and of the charges† for the Civil Engineering College which, under the orders marginally noted, will hereafter appear in the Public Works Budget, and for which, it is presumed, a special allowance will be made, is Rupees 99,42,620, and this amount His Excellency in Council has resolved upon distributing in the manner shown in the following Statement :—

No. 823 A, dated 29th October 1868.

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	37	4,03,900	18	5,04,100	55	9,08,000	1,10,000	10,18,000
	Civil Buildings	45	3,81,550	32	8,19,290	77	12,00,840	1,25,000	13,25,840
	Agricultural	18	3,50,500	34	10,43,500	52	14,00,000	3,35,000	17,35,000
	Communications ...	15	2,59,950	47	7,81,100	62	10,41,050	90,000	11,31,050
	Miscellaneous Public Improvement	2	25,000	4	23,830	6	48,830	5,000	53,830
		117	14,26,900	135	31,71,820	252	45,98,720	6,65,000	52,63,720
Repairs	Military	...	.....	...	.....	...	.....	.....	1,82,000
	Civil Buildings	...	.....	...	.....	...	.....	.....	1,10,000
	Agricultural	...	.....	...	.....	...	.....	.....	14,00,000
	Communications	...	.....	...	.....	...	.....	.....	9,30,000
	Miscellaneous Public Improvement	...	.....	...	.....	...	.....	.....	30,000
		...	.....	...	.....	...	.....	.....	20,52,000
Establishments, exclusive of proportion chargeable to Local Funds.		...	.....	...	.....	...	.....	.....	17,91,100
Tools and Plant		...	.....	...	.....	...	.....	.....	70,000
Madras Irrigation and Canal Company. State outlay		...	.....	...	.....	...	.....	.....	65,000
Railways.— do.		...	.....	...	.....	...	.....	.....	1,00,800
									99,42,620

3. Compared with the sums passed by the Government of India in their Orders of the 17th February 1868, No. 101 A, the Imperial grant† for the ensuing year exceeds that for 1868-69 by Rupees ten lacs, as detailed in the subjoined Statement:—

† Excluding charges for the Civil Engineering College, and State outlay on Railways.

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
New Works.	Military	9,20,000	9,08,000	12,000	.....
	Civil Buildings ...	6,96,260	12,00,840	.....	5,04,580
	Agricultural	13,63,000	14,00,000	.....	37,000
	Communications ...	9,12,500	10,41,050	.....	1,28,550
	Miscellaneous Public Improvement ...	9,000	48,830	.....	39,830
	Reserve	5,23,000	6,65,000	.....	1,42,000
Repairs ...	Military	1,70,000	1,82,000	.....	12,000
	Civil Buildings ...	1,10,000	1,10,000	.....	.....
	Agricultural	10,75,000	14,00,000	.....	3,25,000
	Communications ...	10,65,900	9,30,000	1,35,000	.....
	Miscellaneous Public Improvement ...	30,000	30,000	.....	.....
Establishment, inclusive of Rupees 2,85,000 to be charged to Extraordinary Agricultural Works, and Exclusive of the proportion debitable to Local Funds		17,14,240	17,49,280	.....	35,040
Tools and Plant, inclusive of Rs 15,000 to be charged to extraordinary Agricultural works, and exclusive of the amount to be debited to Local Funds.		1,50,000	70,000	80,000	.....
Madras Irrigation and Canal Company.—State Outlay		62,000	65,000	.....	3,000
	Total ...	88,00,000	98,00,000	2,27,000	12,27,000
	Net excess ...	.....	.....	.....	10,00,000

4. Under *Major Works, Imperial*, the allotments for 1869-70 proposed in Part II of the Budget are in excess of the current year's assignment by Rupees 6,97,960 as noted below:—

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
Military ...	Accommodation for Troops	6,40,740	6,28,850	11,890	.....
	Ordnance	35,000	66,650	.....	31,650
	Commissariat ...	39,450	12,500	26,950	.....
	Staff	2,04,810	2,00,000	4,810	.....
	Total ...	9,20,000	9,08,000	43,650	31,650
Civil Buildings.	Jails, including Taluk and Sub-Magistrates' Cutcherries..... ...	5,46,560	6,63,550	.....	1,16,990
	Collector's Cutcherries...	3,300	53,840	.....	50,540
	Court Houses ...	3,000	45,700	.....	42,700
	Police Buildings ...	34,400	37,500	.....	3,100
	General do. ...	1,09,000	2,40,800	.....	1,31,800
	Custom Houses ...	.....	2,750	.....	2,750
	Postal and Telegraph Offices	.....	1,56,700	.....	1,56,700
	Total...	6,96,260	12,00,840	.....	5,04,580

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
Agricultural...	Irrigation Canals ...	13,02,180	13,54,300	.....	52,120
	Tanks...	45,720	27,000	18,720	.....
	Dykes...	5,000	.....	5,000	.....
	Drainages	10,100	18,700	.....	8,600
	Total...	13,63,000	14,00,000	23,720	60,720
Communications.	Roads	7,62,850	8,13,690	.....	50,840
	Bridges	73,650	1,72,360	.....	98,710
	Navigable canals...	76,000	55,000	21,000	.....
	Total..	9,12,500	10,41,050	21,000	1,49,550
Miscellaneous Public Improvement.	Ports and Harbours... ...	9,000	9,830	.....	830
	Municipal ...	.....	39,000	.....	39,000
	Total...	9,000	48,830	.....	39,830
	Grand Total...	39,00,760	45,98,720	88,370	7,86,330
	Net Excess...	.....	.....	.....	6,97,960

5. The Budget of New Works, Imperial, contains 258 items, of which, including the unsanctioned Agricultural works proposed to be treated as "Extraordinary," the following require the approval of the Right Honorable the Governor General in Council :—

AGRICULTURAL WORKS—EXTRAORDINARY.

1. *Godavery.*—Extension of Irrigation from the Ellore Canal.
2. *Do.* do. in the Central Delta.
3. *Do.* Works for the cross drainage of the Ellore High Level canal
4. *Kistna.*—Excavation of the Ramrazoopoliem channel towards Gokaram.
5. *Do.* Construction of an accommodation bridge across the Commamoor channel, &c., Kalapatoor.
6. *Do.* Extension of Irrigation under the Polerazookodoo branch of the Pullairoo.
7. *Do.* Irrigation Channel from the 9th mile of the Buntoomilly Channel to the Sataloor, Athannoor, &c., villages.
8. *Do.* Two Irrigation Channels in the Davaracottah Parganah from the west side channel of Masulipatam Canal.
9. *Nellore.*—Channel from the Venkatagherry river to Chennur tank.
10. *Madras.*—Enlargement of the Chembrambaukam Tank Project.
11. *Do.* Water-supply Project.
12. *North Arcot.*—Widening and deepening the branch Channel from the main Channel of the Cheyoor at Nallalam and Tetry.
13. *Tanjore.*—Regulating works at the Pandanyaur, Vellayaur, and Auttuneranamaur heads.
14. *Do.* Alterations to the Vennaur dam and to the Upper and Grand Anicuts.
15. *Do.* Regulating works at the Pamanyaur and Corayaur Heads.
16. *Tanjore.*—Regulating works at the Vettaur head.
17. *Coimbatore.*—Anicut and Channels at Nerinjeepett.
18. *Tinnevelly.*—Streeviguntam Anicut Project.
19. *Bangalore.*—School-room for Cavalry.
20. *Do.* Double Fives Court for do.
21. *Do.* Additional Pavilion of Hospital.
22. *Do.* Quarters for Medical Subordinates.
23. *Do.* Do. for a Resident Medical Officer.
24. *Do.* Wash-houses and urinal to provost.
25. *Do.* Asphalting the floors of Bathing-rooms of all Family quarters, &c.

Part of general estimate for Buildings on the Race Course.

Other works estimated to cost more than two lacs of Rupees.

26. *North Arcot.*—Central Jail at Vellore.
27. *Trichinopoly.*—Central Jail.
28. *First and Second Divisions.*—Great Northern Road from Madras to the Bengal frontier.
29. *Coimbatore.*—Lawrence Asylum.
30. *Wynaad.*—Tambracherry Ghaut—Supplemental Estimate.

6. Of the works above enumerated, the estimates for those numbered 3, 4, 9, 12, 18, 19, and 24 are either under the consideration of this Government, or are now before the Government of India, and the Superintending Engineers concerned have been called upon to expedite the submission of estimates for the remainder.

7. The grants* for Major Works under "Military" are in the aggregate less than those for the current year by Rupees 12,000. This is owing to larger assignments being required for *Repairs* under that head of service, as hereinafter explained.

* Rupees 9,08,000.

8. For Major Works, Imperial, under "Civil Buildings," the appropriations amount in the aggregate to Rupees 12,00,840, of which no less than Rupees 6,63,550 are for Jails; Rupees 1,60,700 for the Lunatic Asylums at Madras, Trichinopoly, Vizagapatam, and Calicut; Rupees 1,56,700 for buildings for the Telegraph and Postal Departments, and Rupees 37,500 for Police Stations, leaving Rupees 1,82,390 for the works particularized below :—

	Rs.
Bellary.—Head Assistant Collector's Cutcherry at Gooty ...	12,000
Trichinopoly.—Deputy Collector's Cutcherry at Arealore, Woodiarpoliem	2,940
Coimbatore.—Huzoor Cutcherry at Coimbatore	10,000
Malabar.—Sub-Collector's Cutcherry at Tellicherry ...	6,600
Ganjam.—Sea Custom House at Bavanapad...	2,750
Madras.—Collector's Cutcherry at Homes' Gardens ...	17,100
North Arcot.—Head Assistant Collector's Cutcherry at Arconum	5,200
Godavery.—Public Works Workshop at Dowlaishweram ...	8,100
Presidency.—Improvements to the Revenue Board Office ...	50,000
Do. Reservoir at the General Hospital	13,300
South Canara.—Coir Godown at Mangalore	8,700
Vizagapatam.—Moonsiff's Court at Parvatipoor	4,600
Bellary.—New Court House for the Civil Judge	15,000
Tanjore.— Do. Do.	26,100
Total...	1,82,390

9. Of these latter, four are incomplete, and the others are so urgently required that His Excellency in Council feels that they cannot any longer be deferred without causing serious inconvenience to the public service.

10. In paragraph 8 of my letter of the 20th December 1867, No. 3,951, the Government of India were informed that the condition of the numerous Subsidiary Jails in this Presidency had attracted the attention of this Government, and that a Committee of Officers had been appointed specially to enquire into the matter. The results of that Committee's investigations into the Subsidiary Jail requirements of several districts have been already placed before Government, and His Excellency in Council, finding it utterly impracticable to provide money for such improvements to existing buildings, or for such new Jails as had been recommended by the Committee, made a special representation on the 26th June last to the Government of India, who were pleased, upon that representation, to supplement the grant to this Presidency under "Civil Buildings" to the extent of five lacs of Rupees. The relief thus opportunely afforded has enabled this Government to give effect to the Committee's recommendations in respect to many of the Subsidiary Jails throughout the Presidency; but, looking to the magnitude of the undertaking, and to the necessity for early and effective remedial measures, His Excellency in Council feels that the important object in view cannot possibly be attained unless a large addition be made, during the next few years, to the resources at the disposal of this Government, for appropriation specially to buildings for the accommodation of prisoners. At the sacrifice of other important works of public improvement which are very much required, this Government have provided the comparatively large sum of Rupees 6,63,550 for expenditure on Jails in the Budget of 1869-70, and would have set apart a larger sum for that purpose but for the Orders of the Government of India intimating that the allotment of ninety-eight lacs for this Presidency was conditional on a reasonable provision being made for the demands of the Telegraph and Postal Departments, which, as shown above, will absorb no less than Rupees 1,56,700. The allotment for Jails for the ensuing year, although in excess of the current year's Budget provision by Rupees 1,16,990, is still altogether incommensurate with actual requirements, but, as it is the intention of His Excellency in Council to address the Government of India at length upon this subject in the Judicial Department, it is needless to say more here than to express the hope of this Government that their application for a special further grant will, in due course, meet with a liberal response from His Excellency the Governor General in Council.

11. Under "Agricultural" the provision for Major Works is Rs. 14,00,000, of which Rupees 2,00,000 are under "Ordinary," and Rupees 12,00,000 under "Extraordinary" as follows:—

			Rs.
Godavery	*District.*—	Godavery Delta works	1,83,500
Kistna	,,	Kistna do.	2,44,100
Nellore	,,	Pennair do.	1,02,700
Madras	,,	Water-supply project	2,00,000
Do.	,,	Chembrambaukam tank project ...	1,20,000
North Arcot	,,	Cheyaur anicut	27,000
Tanjore	,,	Cauvery works	82,700
Coimbatore	,,	Nerinjeepett anicut and channel ...	1,00,000
Tinnevelly	,,	Sreevigoontam anicut	1,40,000
		Total .	12,00,000

NOTE.—Items 143, 144, 145, 147, 150, 151, 152, 153, 154, 155, 156, 157, 160, 164, 165, 170, and 180 of the Budget have already received the sanction of the Government of India as Extraordinary works.

12. If to the sum of Rupees 12,00,000 just mentioned be added the proportion chargeable to Extraordinary works for Tools* and Plant and Establishments,† the amount to be provided from money obtained by loan will be in all Rupees 15,00,000, which is the same as the current year's grant.

* Rupees 15,000.

† ,, 2,85,000

13. The appropriations to Major Works, Imperial, under "Communications" amount in the aggregate to Rupees 10,41,050, which is in excess of the current year's allotment by Rupees 1,28,550. In pursuance of the Orders of the Government of India, Rupees 3,00,000 have been provided for the Great Northern Road from Madras to the Bengal frontier. For the reasons explained in paragraph 10 above, His Excellency in Council has found it absolutely impossible to supplement this assignment from the comparatively small grant for Public Works in this Presidency: but, apart from the financial view of the matter, this Government have grave doubts as to whether, looking to the large expenditure which is being incurred in the Northern Districts on Agricultural works of all classes, it will be possible to obtain the required labor for the advantageous appropriation to the road in question of more than has been provided for it in the ensuing year's estimates. Should it, however, be found, as the year progresses, that a larger allotment can be profitably spent, every effort will be made to provide such additional funds as may be required.

14. Under "Miscellaneous Public Improvement" the Imperial allotments for Major Works amount to Rupees 48,830, and exceed the estimate of the current year by Rupees 39,830.

15. The grant for Minor Works has been fixed at Rupees 6,65,000, being Rupees 1,42,000 in excess of the current year's Budget provision. Of this excess, Rupees 7,000 appertain to "Communications," under which head a smaller assignment than Rupees 99,000 will be inadequate, and the balance of Rupees 1,35,000 to "Agricultural." The comparatively larger allotment under the latter head has been made with reference to my letters of the 20th April and 23rd September 1868, Nos. 1,185 and 3,006, respectively.

16. Part III, or the Budget of Repairs, Imperial, amounts in the aggregate to Rupees 26,52,000, being Rupees 2,02,000 in excess of the current year's allotment. The grant for "Communications" is Rupees 1,35,000 less than that for 1868-69 consequent on the transfer to Local Funds, under the enclosed orders in the Revenue Department of the 11th November 1868, No. 2,831, of the cost of maintaining several lines of road which were heretofore kept in repair from Imperial revenues. The allotments for "Civil Buildings" and "Miscellaneous Public Improvement" are the same as for the current year, and call for no remark, while that under "Military" is Rupees 12,000 in excess, owing to the operation of the Orders of the Government of India prescribing that the rents of buildings hired for the accommodation of Troops shall form a charge against the Public Works Budget

As compared with the assignment for 1868-69, the provision for Repairs under "Agricultural" in the accompanying Budget shows an excess of Rupees 3,25,000 distributed over the several districts in the following proportions :—

Districts.	Grant for 1868-69.	Grant for 1869-70.	Excess in 1869-70.
	Rs.	Rs.	Rs.
Ganjam	16,000	16,000	...
Vizagapatam	20,000	20,000	...
Godavery	1,40,000	2,00,000	60,000
Kistna	80,000	1,00,000	20,000
Nellore	47,000	55,000	8,000
Cuddapah	35,000	45,000	10,000
Kurnool	22,000	30,000	8,000
Bellary	69,000	80,000	11,000
Presidency	3,000	3,500	500
Madras	98,000	1,50,000	52,000
North Arcot	66,150	1,00,000	33,850
South Arcot	82,500	1,00,000	17,500
Salem	35,000	48,000	13,000
Tanjore	1,20,000	1,40,000	20,000
Trichinopoly	85,000	1,00,000	15,000
Coimbatore	45,000	60,350	15,350
Malabar	1,350	1,650	300
Madura	50,000	70,000	20,000
Tinnevelly	60,000	80,500	20,500
Total ..	10,75,000	14,00,000	3,25,000

17. The larger grant for Irrigational Repairs for the ensuing year has been made with reference to the recommendations of the Committee whose report is recorded in the Proceedings of this Government which accompanied my letter of the 20th April 1868, already quoted.

18. Part IV, or the Budget of Establishments, amounts to Rupees 20,95,070, being in excess of the Estimate for 1868-69 by Rupees 2,21,070, which is explained below :—

Add—

	Rs.
For Civil Engineering College	41,820
,, Petty Establishments } Local {	93,900
,, Contingencies ... } Local {	3,850
,, Establishment for Chief Engineer for Irrigation ...	6,000
,, Five additional Executive and four additional Assistant Engineers sanctioned in the current calendar year	57,600
,, Office Establishments for do.	11,124
,, Five additional Supernumerary Covenanted Executive Engineers	36,000
,, Seven do. do. Assistant Engineers ..	16,800
,, Additional Establishment for the Public Works Stores, sanctioned by the Government of India ...	1,080
,, Additional Establishment for the Controller of Public Works Accounts	5,880
,, Postage on Official letters	41,000
,, Increased Conservancy Establishments sanctioned by the Government of India for the Godavery, Kistna, North Arcot, South Arcot, and Trichinopoly Districts	2,250
	3,17,344

Deduct—

Amount transferred to Repairs under "Communications" from the allotment for "Petty Establishments."		84,038
Conservancy Establishments in the Madras and Godavery Districts, transferred to Local Funds ...		1,050
Paumbem Establishment—charged to "Petty Establishments"		1,056
Salaries of Indentured Apprentices—absorbed		5,892
Personal allowance to 2nd Uncovenanted Assistant in the Government Office, no longer required ...		600
Difference between the Staff pay and Military allowances of a Military Officer, and the salary of a Civilian as Controller of Public Works Accounts		3,638
		96,274
Net excess ...		2,21,070

	Rs.	Rs.
* District Road Fund.—Share of Public Works Establishment	1,86,360	
Cochrane's Canal Fund do.	3,350	
Public Works Petty Establishment	93,900	
Do. Contingencies ...	3,850	
		2,87,460
Educational Building Fund.—Share of Public Works Establishment.		12,060
Port Fund.—Do. do.		4,450
Total ...		3,03,970

† As per Memorandum attached to the Budget.

19. Of the entire amount provided in this part of the Budget, Rs. 3,03,970* will form a debit to Local Funds, the balance, Rupees 17,91,100, being charged to the Imperial allotment.

20. Under the Orders of the Government of India of the 23rd June 1868, No. 50, charges† on account of London Supplies will not appear in the Budget of the Public Works Department. Excluding these charges, the estimate for "Tools and Plant" (Part V) for the ensuing year amounts to Rupees 88,640, (Rupees 70,000 Imperial, and Rupees 18,640 Local) distributed as under—

		Rs.
Surveying and Mathematical Instruments		3,000
Machinery		2,000
Plant		5,000
Tools ... { Imperial		26,100
{ Local		18,640
Office Furniture		1,102
Camp Equipage		998
Repairs and Carriage from place to place		31,800
		88,640

21. The following is an abstract of Part VI, or the Budget of State Outlay in connection with Guaranteed Companies :—

Guaranteed Companies.	For Land.	For Establishments.	Total
	Rs.	Rs.	Rs.
Railway Companies	30,000	61,800	1,91,800
Madras Irrigation and Canal Company	26,000	24,000	43,000
Total...	75,000	90,800	1,65,800

22. The proposed expenditure from Local Funds by Public Works Officers during the ensuing official year is Rupees 23,84,850, distributedas shown below :—

Funds.	New Works.	Repairs.	Establishments.	Tools and Plant.	Total
	Rs.	Rs.	Rs.	Rs.	Rs.
District Road, &c.	13,54,500	5,42,550	2,87,460	18,000	22,02,510
Educational	1,17,740	2,850	12,000	...	1,32,590
Port	23,590	20,950	4,450	...	48,990
Total...	14,95,830	5,66,350	3,03,970	18,000	23,84,850

23. The following Statement shows in one view the outlay proposed to be incurred during 1869-70 under all heads and from all sources.

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 ...	9,08,000	...	12,00,840	1,19,030	14,00,000	...	10,41,050	13,30,590	48,830	11,000	45,98,720	14,60,620	60,59,340
Grant for Minor Works...	1,10,000	...	1,25,000	...	3,35,000	...	90,000	16,180	5,000	19,090	6,65,000	35,270	7,00,270
Part III—Repairs ...	1,82,000	...	1,10,000	2,850	14,00,000	...	9,30,000	5,37,550	30,000	25,950	26,52,000	5,66,350	32,18,350
Total for New Works and Repairs ...	12,00,000	...	14,35,840	1,21,880	31,35,000	...	20,61,050	18,84,320	83,830	56,040	79,15,720	20,62,240	99,77,960
Part IV—Establishments.	...	...	...	...	...	...	...	...	...	...	17,91,100	3,03,970	20,95,070
Part V—Tools and Plant.	...	...	...	...	...	...	...	...	...	...	70,000	18,640	88,640
Part VI—Madras Irrigation and Canal Company—State outlay ...	...	...	...	...	...	...	...	...	...	...	65,000	...	65,000
Do. Railways—State outlay	...	...	...	...	...	...	...	...	...	...	1,00,800	...	1,00,800
Grand Total ...	12,00,000	...	14,35,840	1,21,880	31,35,000	...	20,61,050	18,84,320	83,830	56,040	99,42,620	23,84,850	1,23,27,470

24. The Budgets of expenditure from Guaranteed Capital amount in aggregate to Rupees 51,88,000, viz. :—

		Rs.
Railway, Madras		40,63,000
Do. Great Southern of India and Erode Extension		4,00,000
Madras Irrigation and Canal Company		22,00,000
		66,63,000
Deduct—		
Madras Railway—Estimated receipts from sale of Stores, to be credited to Capital...	13,50,000	
Great Southern of India Railway —Do. do.	1,25,000	
Madras Irrigation and Canal Company—Do. do.	———	14,75,000
		51,88,000

I have the honor to be,

Sir,

Your most obedient servant,

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

Secretary to Government.

Exd. S. T. Augustin.

Read the following papers :—

No. 349. From the Superintending Engineer, 1st Division.
(Here enter No. 126, dated 1st October 1868.)

No. 350. Do. do. 2nd Division.
(Here enter No. 82, dated 24th September 1868.)

No. 351. Do. do. 3rd Division.
(Here enter No. 2,400, dated 1st October 1868.)

No. 352. Do. do. 4th Division.
(Here enter No. 3,298, dated 3rd October 1868.)

No. 353. Do. do. 5th Division.
(Here enter No. 109, dated 1st October 1868.)

No. 354. Do. do. 6th Division.
(Here enter No 748, dated 21st October 1868.)

No. 355. Do. do. 7th Division.
(Here enter No. ——, dated 21st October 1868.)

No. 356. Do. do. 7th Division.
(Here enter No. ——, dated 22nd October 1868.)

No. 357. Do. do. 7th Division.
(Here enter No. ——, dated 22nd October 1868.)

No. 358. Do. do. 7th Division.
(Here enter No. ——, dated 23rd October 1868.)

No. 359. Do. do. 8th Division.
(Here enter No. 1,455, dated 29th September 1868.)

No. 360. From the Controller of Public Works Accounts.
(Here enter No. 3,217, dated 28th October 1868.)

No. 361. Do. do.
(Here enter No. 3,225, dated 29th October 1868.)

No. 362. Do. do.
(Here enter No. 3,577, dated 23rd November 1868.)

No. 363. From the General Superintendent, Public Works Stores, and Workshops.
(Here enter No. 1,115, dated 28th November 1868.)

No. 363. A. Do. do.
(Here enter No. 1,155, dated 5th December 1868.)

No. 363. B. From the Inspector General of Police.
(Here enter No. $\frac{4343}{1742}$, dated 23rd September 1868.)

No. 363. C. From the Director of Public Instruction.
(Here enter No. 2,381, dated 31st October 1868.)

No. 363. D. From the Accountant General.
(Here enter No. 212, dated 11th November 1868.)

No. 363. E. From the Master Attendant.
(Here enter No. 4,293, dated 30th October 1868.)

No. 363. F. ORDER THEREON, 15th December 1868, No. 3,913.

ACCOUNT, No. 23.

1. The papers recorded at the head of these Proceedings give cover to the Budgets of works proposed for execution from Imperial and Local Funds by Public Works Officers during the ensuing official year.

2. The Imperial grant for this Presidency for 1869-70 has been fixed by the Government of India at 98* lacs of Rupees, which, contrasted with the aggregate of the Budgets of the Superintending Engineers and other Officers, falls short of the total demands by Rupees 36,74,505, as shown in the subjoined Statement—

* Excluding charges for the Civil Engineering College and State outlay on Railways.

Budget Heads.	Military.	Civil Buildings.	Agricultural.	Communications	Miscellaneous Public Improvement.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
New Works, including Reserve	17,85,871	20,99,760	27,00,345	41,72,176	73,000	88,31,152
Repairs	1,90,256	1,22,870	12,80,700	11,31,247	34,000	27,59,073
Establishments ...	...	...	...	...	...	17,49,280
Tools and Plant ...	...	...	...	...	...	70,000
State outlay—Irrigation and Canal Company.	...	...	...	...	...	65,000
Total ...	...	...	...	...	...	1,34,74,505
Deduct Grant ...	...	...	...	...	...	98,00,000
Excess ...	...	...	...	...	...	36,74,505

3. The restrictions imposed by the Government of India upon the appropriation of the current year's assignment having been declared to be applicable to the grant for 1869-70, the particular attention of the Superintending Engineers will be called to paragraph 3 of the Order of the 20th December 1867, No. 3,950, and to the Proceedings of Government of the 25th November 1868, No. 3,692.

4. As the estimated State outlay on guaranteed Railways will be provided for by a special allotment of funds, no deduction on that account will appear against the above-mentioned grant of Rupees 98 lacs. Including the estimate† of State expenditure on guaranteed Railways, and the charges‡ for the Civil Engineering College which, under the orders marginally noted, will hereafter appear in the Public Works Budget, and for which, it is presumed, a special allowance will be made, the amount at the disposal of this Government for the ensuing year from Imperial funds will be Rupees 99,42,620, which His Excellency the Governor in Council resolves to appropriate as follows :—

† Rupees 1,00,800.

‡ Rupees 41,820.

No. 3,525, dated 12th November 1868.

Exd. S.

Proceedings of the Madras Government, Public Works Department, 15th December 1868.

Main Heads of Service.	Minor Heads.	Works not completed. Number.	Amount allotted.	Number of Works completed.	Amount allotted.	Total of two previous columns.	Reserve.	Grand Total.
			Rs.		Rs.	Rs.	Rs.	Rs.
New Works	Military	37	4,05,460	18	5,04,100	9,08,000	1,10,000	10,18,000
	Civil Buildings	45	3,81,550	82	8,13,290	12,00,840	1,25,000	13,25,840
	Agricultural	18	3,56,500	84	10,43,500	14,00,000	3,35,000	17,35,000
	Communications	15	2,59,950	47	7,81,100	10,41,050	90,000	11,31,050
	Miscellaneous Public Improvement	2	25,000	4	23,830	48,830	5,000	53,830
	Total ...	117	14,26,900	135	31,71,820	45,98,720	6,65,000	52,63,720
Repairs	Military	...	.....	...	.....	.....	.....	1,82,000
	Civil Buildings	...	.....	...	.....	.....	.....	1,10,000
	Agricultural	...	.....	...	.....	.....	.....	14,00,000
	Communications	...	.....	...	.....	.....	.....	9,30,000
	Miscellaneous Public Improvement...	...	.....	...	.....	.....	.....	30,000
	Total ...	...	.....	...	.....	.....	.....	26,52,000
Establishments, exclusive of proportion chargeable to Local Funds.	.....	...	.....	...	.....	.....	.....	17,91,100
Tools and Plant ...	.....	...	.....	...	.....	.....	.....	70,000
Madras Irrigation and Canal Company—State outlay... ...	.....	...	.....	...	.....	.....	.....	65,000
Railways do.	.....	...	.....	...	.....	.....	.....	1,00,800
	Total ...	...	.....	...	.....	.....	.....	99,42,620

5. Compared with the sums passed by the Government of India in their Orders of the 17th February 1868, No. 101 A, the Imperial grant* for the ensuing year exceeds that of 1868-69 by Rupees 10 lacs, as shown below :—

* Excluding charges for the Civil Engineering College and State outlay on Railways.

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
New Works.	Military	9,20,000	9,08,000	12,000	...
	Civil Buildings ...	6,96,260	12,00,840	.....	5,04,580
	Agricultural	13,63,000	14,00,000	.....	37,000
	Communications ...	9,12,500	10,41,050	.....	1,28,550
	Miscellaneous Public Improvement ...	9,000	48,850	...	39,850
	Reserve	5,23,000	6,65,000	.....	1,42,000
Repairs ...	Military	1,70,000	1,82,000	...	12,000
	Civil Buildings ...	1,10,000	1,10,000	.....	.....
	Agricultural	10,75,000	14,00,000	.....	3,25,000
	Communications ...	10,65,000	9,39,050	1,25,950	.....
	Miscellaneous Public Improvement ...	30,000	30,000	.....	.....
Establishments, inclusive of Rupees 2,85,000 to be charged to Extraordinary Agricultural Works, and exclusive of the proportion debitable to Local Funds		7,14,240	17,49,280	.....	35,040
Tools and plant, inclusive of Rs. 15,000 to be charged to Extraordinary Agricultural works, and exclusive of the amount to be debited to Local Funds.		1,50,000	70,000	80,000	.....
Madras Irrigation and Canal Company—State outlay		62,000	65,000	.....	3,000
	Total ...	88,00,000	98,50,000	2,37,000	12,87,000
	Net Excess...	.....	.....	.....	10,50,000

6. Under *Major Works, Imperial*, the allotments for 1869-70 proposed in Part II of the out going Budget exceed the current year's assignment by Rs. 6,97,960, as detailed in the following abstract :—

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
Military	Accommodation for Troops.	6,40,740	6,28,850	11,890	...
	Ordnance	25,000	66,620	...	41,620
	Commissariat	39,450	12,360	27,090	...
	Staff	2,04,810	2,00,000	4,810	...
	Total ...	9,20,000	9,06,830	43,790	41,620
Civil Buildings ...	Jails, including Taluk and Sub-Magistrates' Cutcherries ...	5,46,560	6,80,000	...	1,33,440
	Collectors' Cutcherries ...	3,300	23,340	...	20,040
	Court Houses	5,000	43,750	...	38,750
	Police Buildings	24,400	27,500	...	3,100
	General do.	1,00,000	2,50,000	...	1,50,000
	Custom Houses	...	2,250	...	2,250
	Postal and Telegraph Offices	...	1,66,750	...	1,66,750
	Total ...	6,96,260	12,00,840	...	5,04,580

Heads.		For 1868-69.	For 1869-70.	Less.	More.
		Rs.	Rs.	Rs.	Rs.
Agricultural ...	Irrigation Canals	13,02,180	13,54,300	...	52,120
	Tanks	45,720	27,000	18,720	...
	Dykes	5,000	...	5,000	...
	Drainages	10,100	18,700	...	8,600
	Total ...	13,63,000	14,00,000	23,720	60,720
Communications ...	Roads	7,62,850	8,13,690	...	50,840
	Bridges	73,650	1,72,360	...	98,710
	Navigable Canals	76,000	55,000	21,000	...
	Total ...	9,12,500	10,41,050	21,000	1,49,550
Miscellaneous Public Improvement.	Ports and Harbours ...	9,000	9,830	...	830
	Municipal	...	39,000	...	39,000
	Total ...	9,000	48,836	...	39,830
	Grand Total ...	39,00,760	45,98,720	88,370	7,86,330
	Net Excess ...	...	...	...	6,97,960

7. The works classed as *Extraordinary* under "Agricultural" in the estimate for 1869-70 are hereinafter noted. The grants* allotted for these works, added to the proportion chargeable to them for "Tools and Plant†" and "Establishments,"‡ amount in the aggregate to Rupees 15 lacs, which is equal to the current year's allotment under the same head of Service.

* Rupees 12,00,000.

* Nos. ... Items 143, 144, 145, 147, 150, 151, 152, 153, 154, 155, 156, 157, 160, 164, 165, 171 and 180 of the Budget Estimate received the sanction of the Government of India as Extraordinary Works.

† Rupees 15,000.

‡ Rupees 2,85,000.

			Rs.
Godavery District.—	Godavery Delta Works		1,83,500
Kistna do.	Kistna do.		2,44,100
Nellore do.	Pennair do.		1,02,700
Madras do.	Water-supply Project		2,00,000
Do. do.	Chembrambaukum Tank Project		1,20,000
North Arcot do.	Cheyaur Anicut Works		27,000
Tanjore do.	Cauvery Works...		82,700
Coimbatore do.	Nerinjeepett Anicut and Channel.		1,00,000
Tinnevelly do.	Streeviguntum Anicut		1,40,000
		Total...	12,00,000

8. The grant for Minor Works, Imperial, has been fixed at Rupees 6,65,000, which is Rupees 1,42,000 in excess of the current year's assignment,* the excess provision having been made chiefly under Agricultural,† with reference to paragraph 10 of the Proceedings of Government of the 20th April 1868, No. 1,184. Of the entire allotment of Rupees 6,65,000, Rupees 1,81,800 will be set apart, in the following proportions, for Minor New Works estimated at Rupees 500 each in the several districts, and the balance, Rupees 4,83,200, will be held at the disposal of Government for appropriation after the 1st April next :—

* Rupees 5,23,000.

† Grant for 1868-69.	Grant for 1869-70.	Excess in 1869-70.
Rs.	Rs.	Rs.
2,00,000	3,35,000	1,35,000

Districts.	Military.	Civil Buildings.	Agricultural.	Communications.	Miscellaneous Public Improvement.	
	Rs.	Rs.	Rs.	Rs.	Rs.	
Ganjam	200	500	3,000	1,000	...	4,700
Vizagapatam ...	500	500	4,000	1,000	...	6,000
Godavery	500	1,000	6,000	1,000	...	8,500
Kistna...	...	800	8,000	500	...	9,300
Nellore...	...	500	12,000	1,500	...	14,000
Cuddapah	..	500	3,000	1,000	...	4,500
Kurnool	1,000	500	3,000	4,000	...	8,500
Bellary...	6,000	700	3,000	4,000	...	13,700
Presidency	4,000	3,000	...	...	...	7,000
Madras...	2,000	400	8,000	...	...	10,400
North Arcot	400	1,000	9,000	...	...	10,400
South Arcot	...	600	11,000	400	...	12,000
Salem...	200	700	5,000	500	...	6,400
Bangalore	6,000	1,000	...	...	...	7,000
Tanjore...	...	2,000	7,500	1,500	...	11,000
Trichinopoly	2,500	500	5,500	500	...	9,000
Coimbatore	500	1,000	2,500	2,500	...	6,500
Neilgherries	1,500	500	...	1,500	500	4,000
Malabar	2,500	1,500	1,500	1,500	500	7,500
Wynaad	...	...	...	500	...	500
South Canara	500	1,000	...	2,000	...	3,500
Madura	...	1,000	3,500	1,000	...	5,500
Tinnevelly	700	1,000	8,500	1,000	...	11,200
Total ...	29,000	20,200	1,02,000	29,000	1,000	1,81,200

9. Part III, or the Budget of "*Repairs*," *Imperial*, amounts in the aggregate to Rupees 26,52,000, being Rupees 2,02,000 in excess of the current year's* allotment. The grant for "Communications" is Rupees 1,35,000 less than that for 1868-69 consequent on the transfer to Local Funds, under G. O., No. 1,711, dated 27th November 1868, of the cost of maintaining several lines of road which were heretofore kept in repair from the Imperial revenues. The allotments for "Civil Buildings" and "Miscellaneous Public Improvement" are the same as for the current year, and call for no remark, while that under "Military" is Rupees 12,000 in excess, owing to the operation of the orders of the Government of India preventing that the rents of buildings hired for the accommodation of Troops shall form a charge against the Public Works Budget. As compared with the assignment for 1868-69, the provision for Repairs under "Agricultural" in the subjoined Budget shows an excess of Rupees 3,25,000, distributed over the several districts in the following proportions:—

* Rupees 24,50,000.

Districts.	Grant for 1868-69.	Grant for 1869-70.	Excess in 1869-70
	Rs.	Rs.	Rs.
Ganjam	16,000	16,000	...
Vizagapatam	20,000	20,000	...
Godavery	1,40,000	2,05,000	65,000
Kistna	80,000	1,60,000	80,000
Nellore	47,000	55,000	8,000
Cuddapah	35,000	45,000	10,000
Kurnool	22,000	30,000	8,000
Bellary	69,000	80,000	11,000
Presidency	3,000	3,500	500
Madras	98,000	1,50,000	52,000
North Arcot	66,150	1,00,000	33,850
South Arcot	82,500	1,00,000	17,500
Salem...	35,000	48,000	13,000
Tanjore	1,20,000	1,40,000	20,000
Trichinopoly	85,000	1,00,000	15,000
Coimbatore	45,000	60,350	15,350
Malabar	1,350	1,650	300
Madura	50,000	70,000	20,000
Tinnevelly	60,000	80,500	20,500
Total...	10,75,000	14,00,000	3,25,000

10. The larger grant for Irrigation repairs for the ensuing year is absolutely necessary, and has been made with reference to the recommendations of the Committee whose report is recorded in G. O., No. 1,184, dated 20th April 1868, and His Excellency in Council confidently trusts that every effort will be made to lay out the whole of this assignment in such manner as will prove most advantageous alike to the State and to the people.

11. Part IV, or the Budget of Establishments, as submitted by the Controller of Public Works Accounts, amounts to Rupees 19,56,330, and exceeds the current year's allotment* by Rupees 82,330. This excess is increased by Rupees 1,38,740 consequent on the provision of Rupees 41,820 for the Civil Engineering College, and Rupees 97,750 for Petty Establishments and Contingencies, Local, and the reduction and omission of the items marginally noted.

* Rupees 18,74,000.

Salary of Controller—Rupees 15,300—re-	Rs.
duced to Rupees 15,070, as the increased	
rates of Rupees 1,275 is not payable till the	
1st June 1869	230
Personal allowance to 2nd Uncovenanted	
Assistant in the Government Office—no	
longer required	600
	830

12. With these alterations, the Budget of Establishments, as passed by Government, amounts to Rupees 20,95,070, being in excess of the estimate for 1868-69 by Rupees 2,21,070, which is explained below:—

	Rs.
Add—	
For Civil Engineering College	41,820
,, Petty Establishments, Local	93,900
,, Contingencies do.	3,850
,, Establishment for Chief Engineer for Irrigation ...	6,000
,, Five additional Executive and four additional Assistant Engineers	57,600
,, Office Establishments for do.	11,124
,, Five additional Supernumerary Covenanted Executive Engineers	36,000
,, Seven do. Assistant Engineers	16,800
,, Additional Establishment for the Public Works Stores	1,080
,, Do. required for the Controller of Public Works Accounts	5,880
,, Postage on official letters...	41,000
,, Increased Conservancy Establishments in the Godavery, Kistna, North Arcot, South Arcot, and Trichinopoly Districts...	2,290
	3,17,344

Deduct—

Amount transferred to Repairs under "Communications" from the allotment for "Petty Establishments."		84,038
Conservancy Establishments in the Madras and Godavery Districts, transferred to Local Funds		1,050
Paumbem Establishment, charged to "Petty Establishments"		1,056
Salaries of Indentured Apprentices, absorbed		5,892
Personal allowance to 2nd Uncovenanted Assistant in the Government Office, no longer required		600
Difference between the Staff pay and Military allowances of a Military Officer and the salary of a Civilian as Controller of Public Works Accounts		3,638
		96,274
Net Excess ...		2,21,070

	Rs.
* District Road Fund	2,87,460
Educational Building do.... ...	12,060
Port Fund	4,450
	3,03,970

13. Of the entire amount provided in this part of the Budget, Rs. 3,03,970* will form a debit to Local Funds, the balance, Rupees 17,91,100, being charged to the Imperial allotment.

14. Under the Orders of the Government of India of the 23rd June 1868, No. 50, charges on account of London Supplies will not appear in the Budget of the Public Works Department. Excluding these charges, the estimate for "Tools and Plant" for the ensuing year amounts to Rupees 88,640 (70,000 Imperial, and 18,640 Local) which His Excellency the Governor in Council resolves to appropriate as follows :—

Districts or Departments	Surveying and Mathematical Instruments	Plant Machinery.	Tools	Total	Department and office furniture and fittings	Grand Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	880	880	400	1,280
Vizagapatam	...	...	1,550	1,550	400	1,950
Godavery	...	...	3,250	3,250	1,200	4,450
Kistna	...	...	2,670	2,670	1,000	3,670
Nellore	...	...	1,986	1,986	600	2,586
Cuddapah	...	...	1,310	1,310	200	1,510
Kurnool	...	...	1,180	1,180	200	1,380
Bellary	...	...	1,890	1,890	300	2,190
Presidency	...	...	50	50	100	150
Madras	...	...	2,662	2,662	800	3,462
North Arcot	...	...	1,670	1,670	200	1,870
South Arcot	...	...	1,790	1,790	400	2,190
Salem	...	...	930	930	400	1,330
Bangalore	...	...	150	150	100	250
Tanjore	...	...	4,098	4,098	1,200	5,298

Districts or Departments	Surveying and Mathematical Instruments	Plant Machinery.	Tools	Total	Department and office furniture and fittings	Grand Total
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	...	...	150	150	...	150
Vizagapatam	...	...	...	...	...	...
Godavery	...	...	...	...	...	...
Kistna	...	...	90	90	...	90
Nellore	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...
Bellary	...	...	...	...	...	...
Presidency	...	...	50	50	...	50
Madras	...	...	72	72	100	172
North Arcot	...	...	...	...	...	...
South Arcot	...	...	180	180	150	330
Salem	...	...	150	150	150	300
Bangalore	...	...	...	...	150	150
Tanjore	...	...	40	40	48	88

Districts or Departments.	New Supplies.							Repairs and carriage from place to place.	Grand Total.
	Surveying and Mathematical Instruments.	Machinery.	Plant.	Tools.	Office Furniture	Camp Equipage.	Live Stock.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Trichinopoly	...	...	...	1,000 Local Fund	80	...	...	1,610	300	1,910
	...	...	...	530 Do.						
Coimbatore	...	...	...	1,000 Local Fund	150	250	...	2,050	800	2,850
	...	...	...	650 Do.						
Neilgherries	...	...	...	300 Local Fund	...	...	...	360	200	560
	...	...	...	60 Do.						
Malabar	...	...	...	500 Local Fund	40	...	...	1,720	200	1,920
	...	...	...	1,180 Do.						
Wynaad	...	...	...	1,000 Local Fund	...	...	...	1,000	500	1,500
	...	...	...	... Do.						
South Canara	...	...	...	500 Local Fund	...	...	...	850	800	1,650
	...	...	...	350 Do.						
Madura	...	...	...	1,000 Local Fund	150	...	...	1,680	1,100	2,780
	...	...	...	530 Do.						
Tinnevelly	...	...	...	600 Local Fund	100	...	...	1,590	300	1,890
	...	...	...	890 Do.						
Total ...	...	...	...	16,100 Local Fund	1,102	998	...	36,840	11,800	48,640
	...	...	...	18,640 Do.						
General Superintendent of the Public Works Store Dept.	3,000	2,000	5,000	10,000 Local Fund	...	...	...	20,000	20,000	40,000
Grand Total ...	...	...	...	...	...	...	...	...	...	88,640

15. The Budgets of State outlay in connection with Guaranteed Companies have been separately forwarded to the Government of India, but, in accordance with the orders of that Government, the estimates are included in the outgoing Budget as Part VI. The following is an abstract of the proposed expenditure :—

Guaranteed Companies.	For Land.	For Establishments.	Total.
	Rs.	Rs.	Rs.
Railway Companies	39,000	61,800	1,00,800
Madras Irrigation and Canal Company	36,000	29,000	65,000
Total ...	75,000	90,800	1,65,800

16. The Budgets of Local Funds received from the Board of Revenue, the Director of Public Instruction, and the Master Attendant, contain the following proposals, which are generally approved :—

Funds.	New Works.	Repairs.	Establishments.	Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
District Road, &c. ...	13,54,500	5,42,550	2,87,460	18,640	22,03,210
Educational ...	1,17,740	2,850	12,060	.....	1,32,650
Port ...	23,590	20,950	4,450	.....	48,990
Total ...	14,95,890	5,66,350	3,03,970	18,640	23,84,850

17. The annexed Statement shows in one view the proposed expenditure in 1869-70 under all heads and from all sources.

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	2,08,000	.....	12,00,840	1,19,030	14,00,000	.....	10,41,050	12,30,590	48,830	11,000	45,98,720	14,60,620	60,59,340
Grant for Minor Works	1,10,000	... ...	1,25,000	.....	3,35,000	.....	90,000	16,180	5,000	19,090	6,65,000	35,270	7,00,270
Part III.—Repairs ...	1,82,000	.....	1,10,000	2,850	14,00,000	.....	9,30,000	5,37,550	30,000	25,950	26,52,000	5,66,350	32,18,350
Total for New Works and Repairs ...	12,00,000	.....	14,35,840	1,21,880	31,35,000	.....	20,61,050	18,84,320	83,830	56,040	79,15,720	20,62,240	99,77,960
Part IV.—Establishments ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,91,100	3,03,970	20,95,070
Part V.—Tools and Plant ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70,000	18,640	88,640
Part VI.—Madras Irrigation and Canal Company—State outlay ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65,000	.....	65,000
Do. Railways—State outlay ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,00,800	.....	1,00,800
Grand Total ...	12,00,000	.....	14,35,840	1,21,880	31,35,000	.....	20,61,050	18,84,320	83,830	56,040	99,49,620	23,84,850	1,23,27,470

NEW WORKS.

18. In paragraph 67 of Proceedings of the 20th December 1867, No. 3,950, the Superintending Engineer of the 4th Division was informed that the entries in his Budget estimates should be restricted to *Imperial* works. These instructions not having been attended to in the preparation of the 4th Division Budget lists under review, the special attention of the Superintending Engineer will be called to the orders of Government.

19. Including the unsanctioned Agricultural Works, Extraordinary, which appear in the outgoing Budget, the following items require the approval of the Right Honorable the Governor General in Council:—

AGRICULTURAL WORKS—EXTRAORDINARY.

(1). *Cuddapah*.—Extension of Irrigation from the Ellore Canal.
(2). *Do.* Do. in the Central Delta.
(3). *Do.* Works for the cross drainage of the Ellore High Level Canal.
(4). *Kistna*.—Excavation of the Ramrazoopolicm Channel towards Gokarnm.
(5). *Do.* Construction of an Accommodation Bridge across the Commamoor Channel at Kalapatoor.
(6). *Do.* Extension of Irrigation under the Polerazookodoo branch of the Pullaroo.
(7). *Do.* Irrigation Channel from the ninth mile of the Buntoomilly Channel to the Sealoor, Athanmoor, &c., villages.
(8). *Do.* Two Irrigation Channels in the Davaracottah Parganah from the west side Channel of the Masulipatam Canal.
(9). *Nellore*.—Channel from the Venkatagherry river to the Chennoor Tank.
(10). *Madras*.—Enlargement of the Chembrambaukam Tank Project—Revised estimate.
(11). *Do.* Water-supply Project—Supplemental estimate.
(12). *North Arcot*.—Widening and deepening the branch Channel from the main Channel of the Cheyaur at Nallalam and Tetry.
(13). *Tanjore*.—Regulating works at the Pandanyaur, Vellayaur and Athveeraramanaur heads.
(14). *Do.* Alterations to the Vennaur dam and to the Upper and Grand Anicuts.
(15). *Do.* Regulating works at the Pamanyaur and Corayaur heads.
(16). *Do.* Do. at the Vettaur head.
(17). *Coimbatore*.—Anicut and Channels at Nerinjeepett.
(18). *Tinnevelly*.—Streevigumtam Anicut Pr ject.

(19). *Bangalore.*—School-room for Cavalry
(20). *Do.*—Double Fives Court for do.
(21). *Do.*—Additional Pavilion of Hospital.
(22). *Do.*—Quarters for Medical Subordinates.
(23). *Do.*— Do. for a Resident Medical Officer.
(24). *Do.*—Wash-houses and urinal to Provost.
(25). *Do.*—Asphalting the floors of the Bathing-rooms of all Family quarters, &c.

Part of several estimates for Buildings on the Race Course.

Other works estimated at more than 2 lacs of Rupees.

(26). *North Arcot.*—Central Jail at Vellore.
(27). *Trichinopoly.*—Central Jail.
(28). *First and Second Divisions.*—Great Northern Road from Madras to the Bengal frontier.
(29). *Coimbatore.*—Lawrence Asylum.
(30). *Wynaad.*—Tambracherry Ghaut—Supplemental Estimate.

20. Of the works above enumerated, the estimates for those numbered 3, 4, 9, 12, 18, 19, and 24 are either under consideration, or are now before the Government of India, and the Superintending Engineers concerned will be called upon to expedite the submission of estimates for the remainder, and to report at once within what dates those estimates are likely to be laid before Government.

21. Appended to these orders is a list of the works entered in the outgoing Budget for which no estimates have yet been received. The Government desire it to be understood that in all these cases the orders contained in paragraph 18 of G. O., No. 3,970, of the 20th December last, shall be regarded as strictly applicable. With regard to the works marginally entered, the outlay on which, it is expected, will exceed the sanctioned amounts, supplemental estimates should be prepared and forwarded for the orders of Government with as little delay as practicable, accompanied with detailed explanations in each case.

District.	Work.	Estimate.	Probable excess.
		Rs.	Rs.
Kistna ...	Improvements to the Guntoor Jail.	14,340	2,080
Do. ...	Side Channels from Doogerulla to Nizampatam.	51,580	6,100
Madras ...	Anicut across the Menjutmudgoo in the limits of Yellasoor.	9,000	11,000
Do. ...	Water-supply Project.	6,11,750	2,61,241
Bangalore ...	Ulsoor Water-supply Project.	72,000	97,258
Trichinopoly.	Converting the European Bombproof Barracks into Ordnance Commissariat, &c., Stores, and No. 4 Barracks into Family quarters.	13,500	3,500
Neilgherry ...	New Coonoor Ghaut ...	2,40,000	24,000
Wynaad ...	Tambracherry Ghaut...	1,46,410	88,578
Do. ...	Kulpatty bridge ...	11,500	6,550

22. Funds, in full of their respective estimates, having already been allotted for the undermentioned works, no provision for them has been made in the outgoing Budget:—

Bellary.—Lightning conductors to all the inhabited buildings at Ramandroog.

Presidency.—Quarters, &c., for an Assistant Commissary at the Government Bakery.

23. The works entered in the margin have also been omitted, as it is intended to provide the small balances still due upon them from savings in the current year, or from the Reserve of 1869-70.

Presidency.—Fives and Racket Court in Fort Saint George.
Bangalore.—Sheds for 95 Camels.
Tanjore.—Lower Coleroon Anicut.

24. Several ordinary works of irrigation for which no estimates have yet been received are brought forward in the Budgets of the Superintending Engineers. This is particularly the case in the 4th Division, and the Government request that the necessary plans and estimates may be submitted for orders without further delay through the Chief Engineer for Irrigation. In the absence of estimates, most of the works under notice have been omitted from the outgoing Budget, but, as the Minor Works grant at the disposal of Government on the 1st April next will be large, viz., Rupees 2,33,000, His Excellency in Council will be prepared, on the receipt of the estimates now called for, to provide such assignments of money as may be required for expenditure on the works during the ensuing official year.

25. The list of Military works proposed for execution by His Excellency the Commander-in-Chief has been separately reviewed. Of the works entered in that list not specially referred to in the Order of the 3rd instant, No. 3,789, those noted below have been omitted from the General Budget Estimate for the reasons stated opposite to each:—

(1).	*Bellary.*—Rest-house at Gooty or Goondacul.	May be deferred.
(2).	*Presidency.*—Drainage of the Pensioners' Lines...	See G. O., No. 3,900, dated 14th December 1868.
(3).	*Bangalore.*— Do. of the Race-course	Postponed, pending the return to Madras of Captain Tulloch.
(4).	*Do.* Storing water from the roofs of Barracks ...	May be deferred, it being proposed to supply drinking water from the Dhobies' wells at the Ulsoor tank.
(5).	*Do.* Slaughter house ...	*Vide* remark against Item No. 1 above.
(6).	*Neilgherries.*—Dust's Kitchen ranges for the Depôt at Wellington ...	The required accommodation may probably be provided by screening off some of the apartments of existing buildings.
(7).	*Do.* Quarters for three Apothecaries at Wellington ...	

26. *Ganjam.*—It being the intention of Government to apply to the Government of India for a special grant in the proposed sanitary improvements to the town of Ganjam, no provision for these works has been made in the estimate of 1869-70.

27. *Kistna.*—*Improvements to Kurtz' channel.*
Enlarging and improving channels in the Masulipatam section of the Delta.
Side channels of the Nizampatam canal.
The cost of the points sanctioned in the Proceedings of Government of the 7th October 1868, No. 3,659, must be charged to the sanctioned estimates for these works, which, in the case of the first item, stands at Rupees 4,08,090* in the books of this office.

* See G. O., No. 283, dated 31st January 1868.

28. *Presidency.*—The amount of the estimate for the Lunatic Asylum at Locock's gardens is entered by the Superintending Engineer at Rupees 2,20,000. This should be altered to Rupees 2,02,000, with reference to the Order of the 30th October 1868, No. 3,311, dispensing with the padded rooms provided for in the Superintending Engineer's estimate.

29. *Madras District.*—The sum sanctioned by the Government of India for the construction of double storied Barracks, with auxiliary and subsidiary buildings, for a second Field Battery of Artillery at St. Thomas' Mount is Rupees 2,97,060. This amount has been entered in the outgoing Budget, in lieu of Rupees 2,97,060 which appears in the Superintending Engineer's statement.

Vide G. O., No. 3,399, dated 29th October 1868.

30. The estimate for the Chembrambaukam Tank Project sanctioned in December 1867 is entered in the Superintending Engineer's Budget list without any allusion to the orders as per margin requiring the submission of a revised estimate. Colonel Ballard's special attention will be called to these requisitions.

No. 2,072, dated 30th June 1868.
,, 3,215, ,, 12th October ,,

31. *Neilgherries.*—The remark in paragraph 26 above applies to the proposed municipal works at Ootacamund.

32. In pursuance of the orders of the Government of India, provision to the extent of Rupees 1,56,700, as shown below, has been made for Postal and Telegraph buildings :—

		Rs.	Rs.
Post Offices	Vizagapatam	2,500	
	Presidency	75,000	
	Salem	4,700	
	Bangalore	18,000	
	Mercara	5,100	
	Caroor	3,000	
			1,08,300
Telegraph Offices ...	Negapatam	11,000	
	Tuticorin	15,400	
	Palamcottah	12,000	
	Trevandrum	10,000	
			48,400
	Total ...		1,56,700

REPAIRS.

33. The Imperial grants for Repairs under "Communications" in the several districts have been regulated in the Government Office with reference to the classification of roads sanctioned in the Order of the 27th November 1868, No. 3,711. With but few exceptions the roads treated in that order as *Imperial* have been provided for, and in cases in which it has been found impracticable to make a special assignment for portions of "Main lines" or their branches, and for "Ghaut, exceptional, and Salt roads," an allowance will be found for the districts concerned under the head "*Special repairs to roads.*" Adverting to the orders just quoted, His Excellency in

Council requests the Superintending Engineers to report specifically upon the sufficiency or otherwise of each of the Imperial maintenance grants included in Part III of the Budget of 1869-70, and to submit applications in due form for the appropriation to roads unprovided with distinct maintenance allowances of the lump sums entered for "Special repairs." Wherever the grants allowed for particular lines are found to be inadequate, detailed estimates, in accordance with existing rules, should be furnished for such allowances as may be considered absolutely necessary, and Superintending Engineers will be careful to see that, in the reports now called for, as well as in all future budgets, the nomenclature adopted in Madras Proceedings of the 11th ultimo, No. 2,851, be strictly adhered to, and reference made to the numbers of the roads, and to the headings in the classified list under which they appear. This precaution will also be taken by Superintending Engineers in their future reports to Government upon the subject of Imperial lines of communication, and with a view to prevent confusion, His Excellency in Council desires it to be understood that plans and estimates for the repair or construction of local roads should invariably be submitted *through Collectors* to the Board of Revenue for such disposal as may be necessary.

34. As it is probable that, in a few cases, portions of the grants for Repairs under "Communications" specially allotted in the outgoing Budget for the Neilgherries and the Wynaad appertain to Ranges in the Coimbatore and Malabar Districts, the Superintending Engineers of the 7th Division will be requested to submit transfer statements of such amounts as may be necessary.

35. The grants hereafter provided under "Communications" for the maintenance of the Cuttacs and other canals in the Godavery District have been transferred to the head "Agricultural" in the outgoing Budget :—

36. The following is an abstract of the sums which will be available for Public Works in the several Districts from all sources on the 1st April next :—

Districts.	Original Works, Major, Imperial and Local.	Minor Works, Imperial, estimated at less than Rupees 500 each.	Minor Works, Local, Estimated at less than Rupees 2,500 each as detailed in separate Statement.	Repairs, Imperial and Local.	Establishment, Tools and Plant.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjam	1,40,480	4,700	3,030	85,790	1,220	2,35,220
Vizagapatam ...	2,61,980	6,000	...	60,224	1,950	3,30,154
Godavery	5,01,540	8,500	2,200	2,85,737	4,530	8,02,507
Kistna	4,24,750	9,300	1,300	1,62,381	3,670	6,01,401
Nellore	2,19,550	14,000	...	1,13,876	2,380	3,49,806
Cuddapah	48,160	7,500	2,820	1,31,543	1,210	1,91,233
Kurnool	58,310	8,500	900	78,979	1,490	1,48,179
Bellary	2,59,200	13,700	...	2,19,515	2,150	4,94,565
Presidency	3,89,540	7,000	...	1,13,302	150	5,10,092
Madras	6,90,310	10,400	...	2,95,016	3,462	10,09,188
North Arcot. ...	1,38,690	10,400	2,120	2,13,405	1,870	3,66,485
South Arcot. ...	1,59,820	15,000	4,690	2,19,561	4,130	4,01,201
Salem	95,000	6,100	...	1,02,320	1,330	2,04,750
Bangalore	3,16,070	7,000	...	33,750	250	3,57,070
Tanjore	3,84,190	11,000	2,340	2,59,868	5,208	6,62,606
Trichinopoly ...	2,99,680	9,000	...	1,63,473	1,910	4,74,063
Coimbatore	2,67,100	6,500	...	1,23,710	2,850	4,00,160
Neilgherries	3,52,750	4,000	...	42,940	560	4,00,250
Malabar	3,54,440	7,500	8,600	1,40,160	1,920	5,12,620
Wynaad	1,68,400	500	...	40,700	1,500	2,11,100
South Canara. ...	96,300	3,500	7,710	49,228	1,650	1,58,388
Madura	91,930	5,500	...	1,36,050	2,780	2,36,260
Tinnevelly	3,41,150	6,200	...	1,45,904	1,890	4,95,144
General Superintendent of the Public Works Store Department	...	...	...	...	40,000	40,000
Total ...	60,59,340	1,81,800	35,270	32,18,350	88,640	95,83,400

No. Abstract of a Memorandum of the estimated outlay in this Presidency from Guaranteed Capital :—

	Rs.
Railway—Madras	40,63,000
Do. Great Southern of India	4,00,000
Madras Irrigation and Canal Company	22,00,000
	66,63,000
Deduct :—	
Railway—Estimated receipts from sale of Stores to be credited to Capital, 13,50,000	
Great Southern of India Railway Co. do. 1,25,000	
Madras Irrigation and Canal Company do.	14,75,000
	51,88,000

2. The Local Fund Budget will be separately printed, and circulated to the members and Departments concerned.

3. When finally revised, the General Budget Estimate of the Public Works Department for the ensuing official year will be forwarded to the Government of India.

(True Extract.)

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

To the Chief Engineer for Irrigation.
" Superintending Engineer
" Executive Engineers
To the Commissioner of Public Works Accounts.
" Controlling Engineer for Railways.
" Do. for the Madras Irrigation and Canal Company.
" Manager do.
" Secretary Superintendent of Public Works Stores and Workshops.
" Public Dy. Treasurer.
" Revenue Inspectors.
" Mining do.
" Board of Revenue.
" Madras Accountant.
" Director of Public Instruction.
" Inspector General of Police.
" Surveyor General.
" President, Municipal Commission, Madras.
" Secretary Salt Committee.

Extd. J. Talbot.

IMPERIAL.

List of works for which Estimates are awaited.

		Works.
		New Works.
Cuddapah		Two Sub-Magistrates' Cutcherries and Subsidiary Jails, &c., at the Mallahs.
Do.		Trunk Metalled Road from Madras to the Bengal frontier.
Do.		Bridge on the Wanaur.
Chingleput		Road Subsidiary Jail at Chingleput.
Do.		Perumbakam Road.
Do.		Trunk Metalled Road from Madras to the Bengal frontier.
Tanjore		Trunk Metalled Road from Madras to the Bengal frontier.
Do.		Improvement of Irrigation from the Kistna Canal.
Do.		Improvement of Irrigation in the Coleroon Delta.
Do.		Improvements to Grand Anicut (supplemental Estimate).
Kurnool		Trunk Metalled Road from Madras to the Bengal frontier.
Do.		Construction of an embankment or bridge across Cummamoor Channel at Kallapanaickenpatti.
Do.		Improvement of Irrigation under Pedamanchi branch of Pedairoo.
Do.		Improvement of Irrigation under each side of Bardamully Channel to Sataloor and Kallapanaickenpatti.
Do.		Improvement of Irrigation under Peramanchi Pergunah from the West Side Channel of the Kistna Canal.
Do.		Improvements to Nundapatam (supplemental Estimate).
Do.		Improvements to the Perungalay sluice to the Tidal Lock at Masulipatam.
Do.		Improvements to Kurnool Lunkaberoo Tank.
Do.		Barracks.
Do.		Hospital for the cantonment troops for European Troops.
Do.		Improvements to the Barracks Lines of Her Majesty's 3-60th Rifles.
Do.		Hospital Establishment for European Troops.
Do.		Barracks for the Royal Horse Artillery.
Do.		Hospital for the Royal Horse Artillery.
Do.		Barracks for the Garrison Battery.
Do.		Hospital for do.
Do.		Barracks with out houses complete for do.
Do.		Barracks for the European Infantry.
Do.		Trunk Cutcherry and Subsidiary Jail at Ghooty.*
Do.		Head Assistant Collector's Cutcherry at do.
Do.		Barracks.
Do.		Hospital.
Trichinopoly		Improvement of the Revenue Board Office at Chepauk.
Do.		Improvements to the Penitentiary.
Do.		Improvements to the Hospital, the compound of the new Female Hospital.
Madura		Improvements to the Reserve Powder Magazine at St. Thoma's Mount
Do.		Improvements to Tanks (supplemental Estimate.)
Do.		Water supply (supplemental Estimate.)
Do.		Improvements to Tanks (Revised Estimate.)
Do.		Improvements to Trunk Road No. 8 to Kelambakam and Covelong.
Do.		Improvements to Trunk Road from Chetapakam towards Wandiwash in the Madras limits.
Do.		Improvements to Cheyair Sub Road from Chetapakam towards Wandiwash in the Madras limits.
Do.		South Arcot Hospital, as far as the Madras limits.
Do.		Improvements to Tanks.
Do.		Works and Estimates for supplying spring water to eighteen villages from the Cortallaur stream.
Do.		Improvements to the Nungal Malga, in the limits of Vellasoor (supplemental Estimate).
Do.		Improvements to Tanks.
North Arcot		Head Assistant Collector's Cutcherry at Arcotum.
Do.		Trunk Cutcherry and Jail at Vellore.
Do.		Improvements to Trunk Road No. X at the Moogly Ghaut.
Do.		Improvements to the Allapuram, Villapooram, and Kallianoor Channels from the Pennaur.
South Arcot		Improvements to Tanks.
Do.		Improvements across the Vellaur river.
Do.		Deputy Collector's Cutcherry with Subsidiary Jail at Vaniembady.*
Salem		

* Not received.

District.	Works.
	NEW WORKS.—*(Concluded.)*
Salem ...	New Subsidiary Jail at Salem.*
Do. ...	Do. at Tripatoor.*
Do. ...	Do. at Oossoor.*
Do. ...	Anicut across the Coorumbapally river, and a Channel for the better supply of Badathala Tank.
Do. ...	Improvements to the Jail at Denkencottah.*
Bangalore ...	One Skittle Alley for the Royal Horse Artillery.
Do. ...	Lavatory for men for do.
Do. ...	One double Fives Court for the Cavalry.
Do. ...	An additional Pavilion of Hospital for the Garrison.
Do. ...	Quarters for Medical Subordinates for do.
Do. ...	Do. for a Resident Medical Officer for do.
Do. ...	Asphalting floors of bathing rooms of all family and Serjeants' quarters in all Barracks for the Garrison.
Do. ...	Drinking-water scheme from Dhobies' wells at east corner of Ulsoor tank.
Do. ...	Ulsoor water Project (supplemental Estimate).
Do. ...	New Magazine on the old Race Course.
Tanjore ...	Signal Office at Negapatam.
Do. ...	Regulating works at the Pondanyaur, Vellayaur, and Athveraramaur heads.
Do. ...	Alterations to the Vennaur dam, and Upper and Grand Anicut.
Do. ...	Regulating works at the Pamanyaur and Corayaur heads.
Do. ...	Do. at the Vettaur head.
Trichinopoly ...	Dry earth system of conservancy.
Do. ...	Stables for the horses of the Battery of Artillery.
Do. ...	Lock Hospital with suitable out-offices for the Garrison.
Do. ...	Converting the European Bombproof Barracks into Commissariat, &c., Stores, and No. 4 Barracks, into Family quarters (supplemental Estimate).
Do. ...	Lunatic Asylum.
Do. ...	Re-metalling the Southern Trunk Road, from Trichinopoly to Madura.
Coimbatore ...	Improving the Collector's Cutcherry.
Do. ...	Converting the new Record-room of the Hoozoor Cutcherry into a Printing Office.
Do. ...	New Post Office at Caroor.
Do. ...	Subsidiary Jails in the District.
Do. ...	Anicut and Channels at Nerinjepett.
Neilgherries ...	Substituting timber for the asphalte flooring in the Married Quarters and in No. 5 Block Barracks.
Do. ...	Lawrence Asylum Buildings.
Do. ...	Dry earth system of conservancy for do.
Do. ...	Lengthening side walls of Ball Court.
Do. ...	Pointing the floor, with lead and repairing the side walls of the Racket Court.
Do. ...	Compensation for land taken up for the Reclamation and water-supply works.
Malabar ...	Subsidiary buildings for the Artillery.
Do. ...	Quarters for a Conductor and Staff Serjeant of the Commissariat Department.
Do. ...	Lunatic Asylum at Calicut.
Wynaad ...	Sub-Magistrate's Cutcherry, with Treasury and Jail, at Goodalore.
Do. ...	Tracing road and making bridle-path between Sultan's Battery and Panamaram.
Do. ...	Tracing new road from Goodalore to Sultan's Battery.
Do. ...	Tambracherry Ghaut (supplemental Estimate).
Do. ...	Road between Calpatty and Sultan's Battery.
Do. ...	New Coonoor ghaut.
Tinnevelly ...	Telegraph Office at Palamcottah.
Do. ...	Do. at Trivandram.
Do. ...	New Jail at Palamcottah.

* Just received.

Estimate for the Year 1868 [illegible]

Estimate Service [illegible]

R. A. 258228

Pier Works 2767 7/60 " 137,650 " 2,750 "

Ty[illegible] — Main Roads 500 500 4000 1000 " "

Culverts — 500 4000 2000 32,000 1000 6000 " "

Sub Heads

Pier Works " 64,552 [illegible] " " 2770 "

Godavery — Main Roads 500 1000 [illegible] 1000 " "

Repairs — 2000 1000 1000 2000 16000 1000 " "

Sub Heads

Total

3. The demand for pier works in this District is more than the grant made in the Current year's Budget for the execution of Chiefly due to "New Irrigation Works" and "Trunk Roads" improvements (including the Large Bridges over Godavery and Bhyravi) for which large provisions are made and these cannot be, to the best of my belief, be fully and advantageously spent in the coming year.

4. The sum proposed to the Head under "Minor Pier Works" is the same as that granted in the current year's Budget.

Pier Works

Repairs. 5 The assignment for Repairs is slightly increased and the necessary explanation will be found in Part III when such appropriations are made.

Sub Head 6. Under the head "Roads and Bridges" for the Godavery District of Rs 3,500 is taken and this increase is chiefly required for the present year's Budget grant of Rs 3,500 has already been exhausted by Rs 2,800 last this Year (Rs 6300) also is found necessary to meet the several charges made for the repair of Causeways, Bridges &c. in this District, under these circumstances it is that Government will be pleased to sanction the sum required for this District under this head.

× See 5-6 No 3708 dated 27th August 1868

Share Rs As

Ex Engr

For Superintending Engr 1st Division

Godaveery District
Part III

Detail of Estimate for Repairs of 1869/70

	Estimate for 1869/70	Estimate for 1868/69	Remarks
	Amount Total	Amount Total	
Military			
Samulcotta Minor Repairs to Buildings	3000 ✓		
Ellore Do Do	200 ✓ 3200 ✓	.. 3200 ✓	
Civil Buildings			
Minor Repairs to Revenue & Buildings	4200		
Police Stations	200 ✓ 4400	.. 4200 ✓	(8) Rs 200 not allowed since might and has been spent by Engineer
Agricultural			
Repairs to Irrigation Channels Tanks, Dykes & Drainages	140000 ✓ 140,000	.. 140,000 ✓	
Communications			
Trunk Road No 6 from Toonee to Ellore	11000 ✓		
Coringa Canal 30 miles Clearing & Maintaining	2300 ✓		
Cocanada Do 32 Do Do	2200 ✓		
Samulcotta Do 32 Do Do	1600 ✓		
Amalapur Do 37 Do Do	2500 ✓		
Nursapur Do 33 Do Do	2000 ✓		
Ellore Do 50 Do Do	3000 ✓		
Dredging Channel Head	3000 ✓		
Carried Over	27600	147600	147400

Sous Lieutenant — Officier

Sous Lieutenant — 1722

Lieutenant Adjudant Major — 1035

Lieutenant Trésorier — 1804 — 3827 — 3827

Lieutenant Porte Drapeau

Lieutenant

Lieutenant Officier Payeur

Capitaine Commandant — 1800 — 14600

Chef de Bataillon — 1800 — 8400 + Indemnité Journalière 35f. Logement Journalier 20f.

Major — 1800 — 14400

Colonel — 1800 — 20163

Le Colonel Commandant Supérieur

Le Chef de Bataillon Commandant Supérieur

Le Capitaine Commandant Supérieur de la Place de Strasbourg 1868

Le Capitaine Trésorier

Le Lieutenant Trésorier

Le Lieutenant Officier Payeur

Le Lieutenant Porte Drapeau

Le Lieutenant

Le Lieutenant Officier Payeur

Le Capitaine Trésorier

Le Capitaine Commandant

Le Chef de Bataillon Commandant Supérieur

Le Colonel Commandant Supérieur

Le Major

Le Chef de Bataillon

Le Capitaine Commandant

Le Capitaine Trésorier

Le Lieutenant Officier Payeur

Le Lieutenant Porte Drapeau

Le Lieutenant

Le Lieutenant Trésorier

Le Sous Lieutenant

Le Sous Lieutenant Officier Payeur

Le Sous Lieutenant Porte Drapeau

Le Sous Lieutenant

Le Sous Lieutenant Trésorier

Le Sous Officier

Le Sous Officier Officier Payeur

Le Sous Officier Porte Drapeau

Le Sous Officier

Le Sous Officier Trésorier

Le Caporal

Le Caporal Officier Payeur

Le Caporal Porte Drapeau

Le Caporal

Le Caporal Trésorier

Le Soldat

Le Soldat Officier Payeur

Le Soldat Porte Drapeau

Le Soldat

Le Soldat Trésorier

Le Tambour

Le Tambour Officier Payeur

Le Tambour Porte Drapeau

Le Tambour

Le Tambour Trésorier

Le Trompette

Le Trompette Officier Payeur

Le Trompette Porte Drapeau

Le Trompette

Le Trompette Trésorier

Le Musicien

Le Musicien Officier Payeur

Le Musicien Porte Drapeau

Le Musicien

Le Musicien Trésorier

Le Sapeur

Le Sapeur Officier Payeur

Le Sapeur Porte Drapeau

Le Sapeur

Le Sapeur Trésorier

Le Pionnier

Le Pionnier Officier Payeur

Le Pionnier Porte Drapeau

Le Pionnier

Le Pionnier Trésorier

Le Canonnier

Le Canonnier Officier Payeur

Le Canonnier Porte Drapeau

Le Canonnier

Le Canonnier Trésorier

Le Cavalier

Le Cavalier Officier Payeur

Le Cavalier Porte Drapeau

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Le Cavalier Trésorier

Le Dragon

Le Dragon Officier Payeur

Le Dragon Porte Drapeau

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Le Hussard

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Le Lancier Officier Payeur

Le Lancier Porte Drapeau

Le Lancier

Le Lancier Trésorier

Le Cuirassier

Le Cuirassier Officier Payeur

Le Cuirassier Porte Drapeau

Le Cuirassier

Le Cuirassier Trésorier

Le Carabinier

Le Carabinier Officier Payeur

Le Carabinier Porte Drapeau

Le Carabinier

Le Carabinier Trésorier

Le Fusilier

Le Fusilier Officier Payeur

Le Fusilier Porte Drapeau

Le Fusilier

Le Fusilier Trésorier

Le Voltigeur

Le Voltigeur Officier Payeur

Le Voltigeur Porte Drapeau

Le Voltigeur

Le Voltigeur Trésorier

Le Grenadier

Le Grenadier Officier Payeur

Le Grenadier Porte Drapeau

Le Grenadier

Le Grenadier Trésorier

Le Zouave

Le Zouave Officier Payeur

Le Zouave Porte Drapeau

Le Zouave

Le Zouave Trésorier

Le Turco

Le Turco Officier Payeur

Le Turco Porte Drapeau

Le Turco

Le Turco Trésorier

Le Spahi

Le Spahi Officier Payeur

Le Spahi Porte Drapeau

Le Spahi

Le Spahi Trésorier

Le Chasseur d'Afrique

Le Chasseur d'Afrique Officier Payeur

Le Chasseur d'Afrique Porte Drapeau

Le Chasseur d'Afrique

Le Chasseur d'Afrique Trésorier

Le Gendarme

Le Gendarme Officier Payeur

Le Gendarme Porte Drapeau

Le Gendarme

Le Gendarme Trésorier

Le Garde Républicain

Le Garde Républicain Officier Payeur

Le Garde Républicain Porte Drapeau

Le Garde Républicain

Le Garde Républicain Trésorier

Le Garde de Paris

Le Garde de Paris Officier Payeur

Le Garde de Paris Porte Drapeau

Le Garde de Paris

Le Garde de Paris Trésorier

Le Sergent de Ville

Le Sergent de Ville Officier Payeur

Le Sergent de Ville Porte Drapeau

Le Sergent de Ville

Le Sergent de Ville Trésorier

Le Garde Champêtre

Le Garde Champêtre Officier Payeur

Le Garde Champêtre Porte Drapeau

Le Garde Champêtre

Le Garde Champêtre Trésorier

Le Garde Forestier

Le Garde Forestier Officier Payeur

Le Garde Forestier Porte Drapeau

Le Garde Forestier

Le Garde Forestier Trésorier

Le Garde Particulier

Le Garde Particulier Officier Payeur

Le Garde Particulier Porte Drapeau

Le Garde Particulier

Le Garde Particulier

Ganjam District.
Part III
Detail of Estimate for Repairs for 1869/70

Items.	Estimate for 1869/70. Amount	Total Amount	Estimate for 1868/69. Total Amount	Remarks
Military				
Berhampore — Minor Repairs to buildings not exceeding 2500 Rupees	500 ✓		500 ✓	
Cantonment Roads	120 ✓	620	120 ✓	620
Civil Buildings				
Minor Repairs to Revenue Buildings	1300		1100 ✓	
Do. to Police Buildings	400 ✓		400 ✓	
Do. to Medical Buildings entered at the request of Collector	500 ✗		○	x This sum is found insufficient & has been further increased by Rs 700.
		2200	1500	
Agricultural				
Repairs to Irrigation Canals Tanks, Dykes & Drainages	16000 ✓	16000	16000 ✓	
Communications				
Trunk Road No. 6 from Chicacole to Bengal Frontier	1950 ✓			112 miles at different rates.
Road from Chicacole to Calingapatam	3050 ✓			16 miles at 190 Rs.
Road from Aska to Berhampore	5000 ✓			25 Do. at 200 Rs.
Road from Aska to Russelcondah	3000 ✓			25 Do. at 120.
Road from Aska to Ganjam Port & Salt farm	4050 ✓			30 Do. at 130.
Road in the Hill Tracts of Orrisa	5200 ✓			250 Do. at 20/6
		37250		46248.
Minor Repairs to Roads 7598				
Do Travellers Bungalows 1200	8798 ✓	46348	46248	
Carried Over ✓		64868	64168	

	D.	64868	64868
Miscellaneous Public Improvements			
Minor Repairs below 2500 Rs each		100	100
Tools and Plant		1000	1000
* New supplies 200			
Repairs 800			
1000	Total	65968	65268

Signed J. Beckly Exam. Cg.
Cg. Supdg. Engr.

Supdg. Engrs. Office Pr. Wks
Nowlaishwaram
30 September 1868

Exd. Asst.
For Supdg. Engineer Pr. Wks

Pr. Accountant
& Mrs. copy.

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

Items.	Estimate for 1869/70. Amount	Total	Estimate for 1868/69. Amount	Total	Remarks
Military					
Cantonment Road at Berhampur	120	120	—	120	
Communications					
Road from Teckally to the Nowpada salt pans	500		500		5 Miles at 100 Rs
Road from Omerailly salt pans to join Chicacole & Calingapatam Road	240		240		2 Do at 120 Rs
Road from Bomikly to Santhashapore	1700		170		Not worth Estimating
Road from Nowpada salt pans to Jeggunnaithpur, on the Road from Chicacole to Peleconda	2350		2350		23½ Miles at 100 Rs
Road Connecting Beersaloh on Trunk Road No 6 with the port of Sonnapore	612		612		6½ Do at 100 Rs
Road Connecting Jeggunnaithpur on Trunk Road No 6 with the port of Gopalpore	300		300		3 Do at 100 Rs
Road from Russelconda to Mojagaddah	296		296		8 Do at 37 Rs
Road between Aska and Darrungabady	1600		1600		16 Do at 100 Rs
Do Do Completed portion	700	*	0		* application will be made Shortly for this additional grant
	8298		7598		

X

Vizagapatam District.
Part III

Detail of Estimate for Repairs for 1869/70

Items	Estimate for 1869/70 Amount	Total	Estimate for 1868/69 Amount	Total	Remarks
Military					
Vizagapatam — Minor Repairs to Buildings not exceeding 2500 Rs each	1400				
" — Contonment Roads	1750				
Vizianagrum — Minor Repairs to Buildings not exceeding 2500 Rs each	1700				
" — Contonment Roads	310	5160	—	5160	
Civil Buildings					
Minor Repairs to Revenue & Police buildings	1600		1000		
Do Police buildings	400	2000	400	1400	* This amount found insufficient & has been therefore increased by Rs 600.
Agricultural					
Repairs to Irrigation Canals Tanks, Dykes & Drainages	20000	20000	—	20000	
Communications					
Trunk Road No 6 from Tooney toward Chicacole via Vamulavalsa	10100				91 Miles at 100 Rs 5 Do at 200
Road from Vizianagrum to Palconda by Cheepurpelly	4500				16 Do at 125 25 Do at 100
Road from Vizagapatam to Anakapilly	4000				20 Do at 200
Do from Do to Vamulavalsa	3000				15 Do at 200
Do from Palconda to Parvatipur	2950				29½ Do at 100
Do from Vizianagrum to Bobbeli	3000				20 Do at 150
Pulla Ghat Road	3000 +				+ entered at the request of the Collector
Carried Over		30550	27160		26560

Error. The check figure is the correct one.

Vizagapatam District.

Part III.

Detail of Estimate for Repairs for 1869/70.

Military.

Vizagapatam. Minor Repairs to Buildings not exceeding 2500 Rs each 1400

" Contonment Roads 1750

Vizianagrum. Minor Repairs to Buildings not exceeding 2500 Rs each 1700

" Contonment Roads 310

Total 5160

Civil Buildings.

Minor Repairs to Revenue & Police buildings 1600

Do Police buildings 400

Total 2000

Agricultural.

Repairs to Irrigation Canals Tanks, Dykes & Drainages 20000

Total 20000

Communications.

Trunk Road No 6 from Tooney toward Chicacole via Vamulavalsa 10100

Road from Vizianagrum to Palconda by Cheepurpelly 4500

Road from Vizagapatam to Anakapilly 4000

Do from Do to Vamulavalsa 3000

Do from Palconda to Parvatipur 2950

Do from Vizianagrum to Bobbeli 3000

Pulla Ghat Road 3000 +

Total 30550

Grand Total 57710

Entered in the Register for Repairs for 1869/70.

Examined

Dy Collr

Dist III

Examined

Asst Collr

Vizagapatam District.

Part III.

Detail of Estimate for Repairs for 1869/70.

Military.

Vizagapatam. Minor Repairs to Buildings not exceeding 2500 Rs each 1400

" Contonment Roads 1750

Vizianagrum. Minor Repairs to Buildings not exceeding 2500 Rs each 1700

" Contonment Roads 310

Total 5160

Civil Buildings.

Minor Repairs to Revenue & Police buildings 1600

Do Police buildings 400

Total 2000

Agricultural.

Repairs to Irrigation Canals Tanks, Dykes & Drainages 20000

Total 20000

Communications.

Trunk Road No 6 from Tooney toward Chicacole via Vamulavalsa 10100

Road from Vizianagrum to Palconda by Cheepurpelly 4500

Road from Vizagapatam to Anakapilly 4000

Do from Do to Vamulavalsa 3000

Do from Palconda to Parvatipur 2950

Do from Vizianagrum to Bobbeli 3000

Pulla Ghat Road 3000 +

Total 30550

Grand Total 57710

Entered in the Register for Repairs for 1869/70.

Examined

Dy Collr

Dist III

Examined

Asst Collr

Error. Repeated

Vizagapatam District.

Part III.

Detail of Estimate for Repairs for 1869/70.

Military.

Vizagapatam. Minor Repairs to Buildings not exceeding 2500 Rs each 1400

" Contonment Roads 1750

Vizianagrum. Minor Repairs to Buildings not exceeding 2500 Rs each 1700

" Contonment Roads 310

Total 5160

Civil Buildings.

Minor Repairs to Revenue & Police buildings 1600

Do Police buildings 400

Total 2000

Agricultural.

Repairs to Irrigation Canals Tanks, Dykes & Drainages 20000

Total 20000

Communications.

Trunk Road No 6 from Tooney toward Chicacole via Vamulavalsa 10100

Road from Vizianagrum to Palconda by Cheepurpelly 4500

Road from Vizagapatam to Anakapilly 4000

Do from Do to Vamulavalsa 3000

Do from Palconda to Parvatipur 2950

Do from Vizianagrum to Bobbeli 3000

Pulla Ghat Road 3000 +

Total 30550

Grand Total 57710

Entered in the Register for Repairs for 1869/70.

Examined

Dy Collr

Dist III

Examined

Asst Collr

Error. Repeated

B. O.	30,550	27,160	26,560	
Minor Repairs to Roads	2200			
Do to Travellers Bungalows	500	2700	33250	30,250
Miscellaneous Public Improvts				
Minor Repairs below 2500 Rs		1300	1300	1500
Tools and Plant			1000	1000
New Supplies	200			
Repairs	800			
	1000	Total	62,710	59,110

Signed C. Beckley Capt RE
Dy Chief Engineer

Supg Engrs office 1st Div
Doulaiswaram
30 September 1868

For Supg Engineer 1st Div

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

Items	Estimate for 1869/70 Amount	Total	Estimate for 1868/69 Amount	Total	Remarks
Military					
Coimmeid Road					
Rajahmundry					
Do at Vizianagram	31	200			
" " "					
Commissariat					
Road from the Jeypore Road to the 2nd Police from Rajahmundry	1800	1800			9 miles at 200
Repairs & Gazonnahs to Cuttacks					
Road from Do to Gopal patam	400	400			2 Do at 200
		2200		2200	

From
The Asst. Surgeon
[illegible] Division

To
The Secretary
of Government [illegible]
[illegible]

Dated [illegible]
Rec'd [illegible] } 1868

No 4824/68

Subject: a Station District

Vol III

Ded [illegible] of Estimate
for [illegible] days for
1869/70

G.O. 15 Dec 3/68 L 1349

Vizagapatam District

Part II

Detail of Estimate for Original works for 1869/70

Executive Division	No.	Locality	Description	Project Amount Computed of Expenditure Estimated Estimate up to 31st March 1869	Amount Estimated for 1869/70.	Remarks
			Military			
No 273	Range 1	Vizagapatam Vizianagram	Paving and Draining round the Fort	2767 0	2767	Sanctioned in G.O. No 2241 of 25th July 67.
				Total Military	2767	
			Civil Buildings			
No 2	Range 2	Vizagapatam	Zillah Jail Extra guard	80056 1792 for 69321	13000	Estimate sanctioned in G.O. No 2511 of 8th August 68. & G.O. No 2224 of 24th July 67.
No 2	Range 3	Do	Lunatic Asylum	60400 6630	30,000	Estimate sanctioned in G.O. No 1802 of 9th June 68.
No 3	Range 4	Parvatipur	Construction of Hospital Court	5625 1000	4625	Estimate sanctioned in G.O. No 1960 of 20th June 1868
No 1	Range 5	Gollamunchelly	Do	Do 3710 0	3710	Estimate sanctioned in G.O. No 1580 of 31st August 1864.
No 3	Range 6	Vizianagram	Do	Do 3680 0	3680	Do Do
No 2	Range 7	Vizagapatam	Post office	2550 0	2550	Estimate sanctioned in G.O. No 2115 of 22nd July 64.
				Civil Total	57,565	

Vizagapatam District

Part II

Detail of Estimate for Original work for 1869/70

Project

Executive Division	No.	Locality	Description	Amount Computed of Expenditure Estimated upto 31st March 69	Amount Estimated for 1869/70.		Remarks
	No 2 Range	8 Bimlipatam	Sub Magistrate Cutcherry	10339	57,565		
					10339		Estimate sanctioned for entry in Budget for 1869/70, see G.O. No 2312 of 20th July 1868.
	No 2 Range	9 Narsingarapacota	Improvements to Sub Magistrate Cutcherry	3760	3760		
					Total for Building	71664	

Irrigation

Fore

Communications

	No 2 Range 10	Cossiapur Road	Road from Vizagapatam to Cossiapur	115000	94397	20603	Budget of 1868/69. Item No 196
	No 2 Range 11	Pitta Ghat	Pitta Ghat Road		30000	7000	Do of Do Item No 198
	No 2 Range 12	Jeypore Country	Constructing Roads & Clearing Jungle in Jeypore Country		35000	10000	Do of Do Item No 199
	No 3 Range 13	Trunk Road	Trunk Road No 6 from Chittivalsa to Chicacole	132785	75670	50000	*Amount of the Estimate already sanctioned, but a Revised Estimate for a larger amount will be submitted shortly.

Lahaja Jordan District

Part II

Detail of Estimate for Original works for 1869/70

Project

Executive Division	Nº & Locality	Description	Amount Computed of Estimate vide 3rd Nº & Locality	Amount Expenditure Estimated for 1869/70.	Remarks
			J. D.	87603	
Nº 1 Range 14	Kumi Road	Portion of Trunk Road Nº 1	17516		
Nº 2 Range 15		Up of K°	13202	20000	5,000 Estimate already submitted to Government with letter Nº 53 of 1st Augt 768.
			Total Communications	137603	
			Grand Total	212034	

Nature of Work	Amount Estimated for 1st Division	Amount Estimated for 2nd Division	Amount Estimated for 3rd Division	Amount Estimated for Miscellaneous Public Improvements	Total
Bridges	500	600	4000	1000	6000

Lahaja Engineer's Office 1st Division
Dodwaishwarum
30 September 1868

Signed/ J. Beckley Capt RE.
Ag Exec Engineer 1st Div

Offg Superintending Engineer 1st Div

From

The Supg Engineer
for Vizagapatam

To

The Secretary
to Government F.P.W.
Madras

Dated 30th September
Despd 2nd October } 1868
Recd
Vizagapatam District

Part II

Detail of Estimate
for original works
for 1869/70

G.O. 15 Dec 7/68 L 1049.

Punjaub District
Part II

Detail of Estimate for original works for 1869/70

Projects

Executive Dept.	No. & Locality	Description	Amount of Estimate	Computed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70.	Remarks or References.
		Civil Buildings				
No 1 Range	1	Remodelling the Lunatic Asylum	2745	0	2745	Estimate sanctioned for entry in Budget of 1869/70. vide G.O. No 2393 of 14th August 68.
No 2 Range	2	Enlarging Subdivisional Lockup	9740	0	10,000	* This Estimate has been called for by the Board of Revenue in their proceedings No 4612 of 22nd July 67, but will have to be revised in accordance with the Standard Plan referred to in G.O. No 2791 of 1st September 1868.
"	3	Sadiks & Sub Registrars Lockup & 2 Subsidiary Jails	10,000	0	10,000	This sum is entered at the request of the Collector.
		Total Civil Buildings	22745			
		Agricultural				
No 3 Range	4	New irrigation works of a remunerative character	10,00,000		50,000	Estimates called for in G.O. No 3718 of 21st November 1866 Surveys are under preparation.
		Total Agricultural	50,000			

F.O. No. 1 of 1869

Ganjam District
Part II

Detail of Estimate for original works for 1869/70

Executive Dr	No.	Locality	Description of Project	Amount of Estimate	Completed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70.	Remarks or references
			Communications				
No 3 Range	5	Khond Tracts	Embanking Roads in the Hills	17,600	17,595	5000	Budget of 1868/69. Item No 188. The amount (5000 Rs) is entered at the request of the Collector.
No 1 Range	6	Trunk Road	Portion of Trunk Road No. 1	1[illegible]	28,010	30,000	Estimate will be forwarded shortly.
No 2 Range	7	Do	Do of Do	61,810	27,798	30,000	Estimate submitted on the 17th August 68 with letter No 99.
No 2 Range	8	Ganjam	Improvements to the Town of Ganjam	13,000	6000	7000	Estimate forwarded to Government with No 36 of 1st June 1868.
No 3 Range	9	Daranga	Constructing Bridges on the Lady Road Daranga Surla Road between Soka and Jarada	0	0	15,000	Estimate will be submitted shortly.
No 2 Range	10	Ganjam	Constructing Bridge across Ganjam River	150,000	0	50,000	Do
No 1 Range	11	Byree	Do across Byree River	0	0	30,000	Do
						167,000	

Grayson Railroad
Part II

Detail of Estimate for original works for 1867/68

Executive Dn. No. Locality	Progress — Date of Survey	Amount Completed & Amount Expenditure of Estimate ended 31st June 1867	Amount of Estimate for 1867/68	Remarks or References
			167,000	
12 Bridges on Roads		0	2000	This sum is entered at the request of the Collector.
No 2 Range 13. Grayson Canal from the Ck Lake to Lake to the Grayson River	16110	9735	40000	Budget of 1868/69. Item No 4146
No 2 Range 14 — Do — Lock Gates to the Canal	3215		3215	Estimate will be forwarded
Total Communications			212,215	
General Total			284,960	

200	500	3000	1000	0	4700		

Signed J. Beckley Captain R.E.
Acting Supt 8th Dn

Exec. Engr

Superintending Engineer 1st Dn

Supg Engrs Office 1st Dn
Examined

Examined

Gorgaon District
Part II

Detail of Estimate for original works for 1869/70

Executive Div.	Projects				
No. Locality	Description	Amount of Estimate	Computed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70.	Remarks or References.

The Dy Engineer
Pt Division

To

The Secretary
to Government P.W.D.
Madras

Dated 30th September
Despd 2nd October } 1868
Recd

Estimate
Ganjam District

Part II

Detail of Estimate
for original works
for 1869/70

G.O. 15 Dec 1868 L 234

Godavary District
Sheet II

Detail of Estimate for original Wks for 1869/70

Report

Executive Dr.	No.	Locality	Description	Amount of Estimate.	Computed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70	Remarks or References
			Civil Buildings				
No. 6 Range			Rajahmundry Central Jail	3,02,093	2,97,951	4142	Budget of 1868/69. Item No. 96
No. 6 Range	1	Do	Condemned Section Central Jail	20750	9270	11480	Estimate sanctioned in G.O. No. 386, of 12th December 1867
No. 1 Range	2	Dowlaishwaram	Improving Government Workshop Buildings	18090	10000	8090	Estimate sanctioned in G.O. No. 1483 of 11th May 1868
No. 3 Range	3	Narsapur	Taluq Cutcherry	15760	0	10,000	Estimate sanctioned in G.O. No. 1798 of 21st June 1864.
No. 1 Range	4	Polavaram	Sub Magistrates Cutcherry	3540	0	3540	Estimate sanctioned in G.O. No. 1779 of 20th June 1864
No. 1 Range	5	Coringa	Sea Customs House	7270	0	7270	Estimate sanctioned in G.O. No. 3424 of 23rd November 63
No. 6 Range	6	Rajahmundry	Taluq Cutcherry		"	10,000	Plans & Estimates will be prepared and submitted when the standard Plans promised in G.O. No. 2791 of 1st Septr 68 come.
No. 6 Range	7	Peddapur	Do Do		"	10,000	
			Total Civil Buildings			64,522	

Lodwar District
Ex. II

Detail of Estimate for original wks for 1869/70

Project.

Executive Dept.

No.	Locality	Description	Amount of Estimate.	Computed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70	Remarks or References
		Agricultural				
No. 3 Range	8	Head Improvements to Head Race	103,234	69,115	34,119	See G.O. No. 1778 of 15th June 1868 in which the Estimate was sanctioned and also Budget of 1868/69. Item No. 125.
No. 1 Range	9	Samuelotta	Widening & Improving Aqueduct & Race	131,200	76,715	55,485	Budget of 1868/69. Item No. 126.
No. 2 Range	10	Jamnarium	Rebuilding side wall of Jamnarium Aqueduct	21420 / 20,500	14,979	5521	Budget of 1868/69. Item No. 127.
No. 4 Range	11	Ellore Canal	Extension of Irrigation from the Ellore Canal	0	0	50,000	Do of Do Item No. 130
No. 2 Range	12	Indupilly	Aqueduct across Cowaca Drain	16,500	11,761	4739	Do of Do Item No. 129.
					Carried Over	149,864	

Godavary District
Pat II

Detail of Estimate for original work for 1869/70

Project.

Executive Dr. No.	No.	Locality	Description	Amount of Estimate.	Computed expenditure upto 31st March 1869	Amount of Estimate for 1869/70	Remarks or References
			Agricultural works		B. O.	149,864	
No 4 Range	13	Ellore Canal	Works for the Cross Drainage Ellore High Level Canal	105486	88162	17324	Budget of 1868/69. Item No 133
No 3 Range	14	Weaton Delta	Extension of Irrigation	0	0	50,000	Budget of 1868/69. Item No 131
No 1 Range	15	Yanam	Extension of branch Canal across the Head of Coringa River	0	0	30,000	Budget of 1868/69. Item No 132
			Total Agricultural			247,188	
			Communications				
	16		Portion of Trunk Road. No 6	0	0	50,000	Budget of 1868/69. Item No 206
	17		Construction of a Road from Chodavaram to Rumpchodavaram to Valamur	0	0	20,000	This work is entered at the request of the Collector who promises to send an Estimate shortly for the Road.
			Total Communications			70,000	
			Grand Total			381,710	

Godary District
Sht II

Detail of Estimate for original works for 1869/70

Project.

Executive Dr.

No.	Locality	Description	Amount of Estimate	Completed expenditure upto 31st March 1869	Amount of Estimate for 1869/70	Remarks or References
		Dom. Minor new Works below 500 Rs.				
		Military			500	
		Civil Buildings			1000	
		Agricultural			6000	
		Communications			1000	
		Miscellaneous Public Improvements			0	
		Total			8500	

(Signed) J. Beckley Captain R.E.
Asst Engineer &c &c

Supg Engrs office 1st Divn
Dowlaishweram
30 September 1868

Ex Executed
Fr Estimate

Fort Supg Engineer 1st Division

Bolany District
Pat II

Detail of Estimate for original works for 1869/70

Project

Executive Dr.

No.	Locality	Description	Amount of Estimate	Computed Expenditure upto 31st March 1869	Amount of Estimate for 1869/70	Remarks or References

From
The Chief Engineer
for Irrigation

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

Dated 30th October
Respd. Letter } 1868
Recd

C.E.'s Diary / 68

Godavery District

Part II

Detail of Estimate for
original works for
1869/70.

G.O. No. Dec 7/8 & 1829

3. I have in order the sum of Rs 300,000
for the Project of Irrigating the Dry Part
Delta of the Penneair - Do a large
Amount of Iron will be required for
My Lord. are dotten in the sketch a de o
of wood will be Receipt any Shelene -
there will be no difficulty in Expending
this Amount -

I have the honor to be
Sir
Your most Obedt Servant -

Gen. Commanding Engineers
Sub Engineers &c &c

Kollon District.

Part III.

Detail of Estimate for Repairs for 1869/70.

	Estimate 1869/70	Estimate 1868/69.
	Amount Total	Amount Total
Military Works		
Civil Buildings		
Minor Repairs &c.		
Personal Allowance Buildings	2200	
Do do Police Buildings	200	
	2400	2400
Agricultural.		
Minor Repairs to Irrigation Channels Tanks &c.	57000	47000
Communications		
Fourth Road No VI from the Conservancy Bank-water to the 36 1/2 Mile Stone — 3 miles at 400 Rs a mile	1200	
Do from the 36 1/2 Mile Stone to Kornégalle 81 Miles at 214 Rs	17362	
Do from Kornégalle to Carole 70 Miles at Rs 108 per Mile	7600	26162
Carried forward	26162	57400

Brought forward 1867/68		Amount voted	Amount spent
Bridge at Aver-	26/62	5400	4960
Road from Cryole to Kodapratam (Mal road) 11 Miles at 300 Rs. per Mile.		3300	
Road from Ittlore to Nicodanpatam 11 Miles at Rs. 35 4 nearly per Mile Cal Road.		3900	
Road from Ittlore to Dotnal Pass 10 Miles at Rs. 62½ per Mile nearly Trunk Road No. VII from Middagonda River to Hosspera proad 28 Miles at 102⅔ Rs. per Mile nearly		3700	
		2840	
Minor Repairs to Roads	2740		
Do to Travellers Bungalows	704	3444	
		43430	39705
Miscellaneous Public Improvements.			
Total Expenses		108806	82165

N. B. Additional sum of Rupees 5000 under "Agricultural" will be necessary for next year to put several tanks in the District, which have not hitherto received that share of attention, in thorough repair.

The Excess of Rupees 3639. under "Communications" is due partly to the increased grant for maintenance allowances of Roads by the increase of Petty Establishment sanctioned in G. O. No. 279 dated 1st September 1868 and partly to an Estimate now being necessary for the repairs of Nicodanpatam Road for which an application will be made to Government.

Supt. Engr. Office 2nd Dn.
Bezwada
24th September 1868.

Communicated
Superintending Engineer 2nd

Enclosure no 2 to Letter from
the Supt. Engineer 2d
Dt to the Secretary of
Govt D.P.Dte. No 88
Dated the Sept 2 1868

P.W.D. 4893/68

Peloro District

Part III

Details of Estimate

for Repairs for 1869/70

Imperial

Statement shewing the Maintenance Grant for Roads which are included in the Allotments in Part III of the Budget under the head Communications (Minor Repairs)

District	Description of work.	Amount	Total
Pelore	Road from Gairai to Digiraji Jambaon (Cal Road)	1440	
	Do from Allai to Chaphali (Cal Road)	400	
	Do from Nagaon Ghat to Dolapathar	550	
	Special Repairs to Roads	350	
			2740
	Total Rs		2740

Supdg. Engr 2nd Circle.
2nd Dn.
Bezoara
24th Sept 1868

Commg 2nd Corps S.C.
Superintending Engineer 2nd Dn

Transmoort Channel, which Navigation Canal will be opened in Novr 1868.

Kgl. Engineers Office
D. D.
Belgrade
24 Sept 68.

Geot. molotte
Inspecting Engineer. D.

Brochure on a retail
from the Supply Dept
to Division to the Base
: Camp to Front Line.
Pg 82 from Supply

Medical Service
Part III
Details of Estimate
for Repairs for 1869/70

Part III.

Details of Estimate for Repairs for 1869/70.

	Estimate 1869/70.	Estimate 1868/69.
	£ Stg. £ Stg.	£ Stg. £ Stg.
Military		
Barrack Junior Officers Buildings	200 "	
Contractors Repairs	341 "	
	541 "	541
Civil Buildings		
Junior Officers Quarters		
Buildings	4000 "	
Do do Police Stations	200 "	
	4200 "	4200
Civil Prisons Hospitals		
Junior Officers Quarters		
Female, Lunatic, Asylum,		
Dromingeo	8000 "	
	8000 "	8000
Communications.		
Road from Bizerta		
to the Frontier 72		
Miles at 307½ Pr per Mile	22140 "	
Do from Limestone		
to Bizerta 42 Miles at		
150 Pr per Mile	6300 "	
	28440 "	8741

1869/70 1870/71

Amount Total Amount Total

Brought over.	28440	84741	84741
From Pt Road to Jessore Cantonment to Jessore 20 miles at 150 Rs per mile	3000		
From Pt Road to No VIII Station Nagpore Road towards Umerdigah. 42 miles at 100 Rs per mile.	4200		
Minor Repairs to Road Jobs Rs			
Do to Travellers Bungalows	700	9710	43822 39900
Miscellaneous Public Services.			
Minor Repairs	500		
		500	500
Total Rupees.		133571	125221

N.B. There is an excess of Rupees 3350 between proposed under "Communications" over that of the Current year. This is owing 1st to an increase in the Maintenance Grant of Roads, caused by the increase of Charges for Establishment. 2d by the Sanctioning of Maintenance allowances for the China Gunjam & Bantimilly Salt Roads, which were erroneously omitted in the Budget of 1868/69. 3d by inserting Rs 30 per mile for Maintenance of the Loring Path of this

Supdt. Engrs Office.
2nd Dn
Berhampore
24th Septr 1868

Geo Morrow Lt Colonel RE
Superintending Engineer 2nd Dn

Imperial.

Statement showing the Maintenance Grants for Roads which are included in the Abstract in Part III of the Budget, & under the head Communications (Minor Repairs).

District	Description of Roads	Amount	Total
Cuttack	Towing Path for 48 miles of Jaumbutteah Canal.	1440	
	Do for 27 miles of Eltore Canal	810	
	Do for 41 miles of Jaumbutteah Canal	1230	
	Do for 51 miles of Coomarnit Channel	1530	
	Maintenance of Road from Sukole to Chinna Gunjam (Salt Road)	800	
	Do from Pooree to Bantimilly (Salt Road)	1440	
	Special Repairs to Roads	1760	
		9010	9010
Total Rs			

Grand Total as entered in the Abstract
1867/68 5805
3405

Brechloose aan de Heer [illegible]

te Sluis. Eigenaar te

Z[illegible] bij het Leenhof van

Cadzand op Zondag

[illegible] October 1808.

[illegible]

[illegible]

	12540 $ 2088 16425	12425	4000	× G.O. № 218 of 22d January 1867 and № 2239 dated 24th July 1867. Budget item 98 of 1868/69 § Supplementary submitted to the Inspector General of Jails vide letter № 278 of 11th July 1868.
			300	
			4300	
	172830 2830 1350 6190 183100	93015	1,0000	G.O. № 747 of 17th March 1865. G.O. № 2211 of 23d July 1867. № 3089 dated 5th October 1867 & G.O. № 3099 of 7th October 1867. Budget item 134 of 1868/69
	49850	29502	18000	G.O. № 3342 of 19th October 1866. Budget item 135 of 1868/69
	22080	13740	7340	G.O. № 3395 dated 24th October 1866. Budget item 136 of 1868/69.
	48757 8100 825 57682	37682	20000	G.O. № 3861 of 6th December 1866 № 3099 of 7th October 1867 and № 2359 of 23d July 1868. Budget item 137 of 1868/69
			91,340	

			Rivière Creek Ryan Estate				91,340	
6th Bazoman Range	5	Ryans Road	Extension and Improvement of Ryans Road, and Construction of Drainage and Embankment of the same from Ryans Road to Factory Creek	44410 / 1000 / 45010	22000	22,000		L.C. P.W. 23084 of 29th December 1869 and P.W. 3099 of 7th September 1869 Grant of India £20,000 of 25th October 69 Budget item 139 of 1868/69
Der Bacquelle Range	6	Commanaveur Channel	Widening of the Commanaveur Channel and Construction of the Embankment	19320 / 2520 / 5280 / 19770	16778	16,700		L.C. P.W. 3099 of 15th Dec/63, P.W. 1810 of 18th May 1865 & P.W. 1881 of 24th June 1865 Budget item 140 of 1868/69 —
1st Rapidy Range	7	Western Channel	Excavation of Embankment of Training Walls and Closing Dam	45477	18677	18,200		L.C. P.W. 1405 and 3232 dated 12th August 1865 and 6th December 1865 Budget item 141 of 1868/69 —
Do	8	Main Canal Leekanagaram	Widening Excavation of Main Canal Drainage Canals of Area of Channel and Embankment of Road of the Main Canal to Leekanagaram	2000 1500 1500 1500

			Kistna Anicut Eastern Delta Main Canal			837290		
the Mandapa Town Range	13	Palaiyu Cadu	Extension of Periyakal main Canal Palaiyu Rosa Channel [illegible]			13000	For Navigation. Estimate vide the Madras Weekly	
Do	14	Bandaramilly Channel	Irrigation Channel from [illegible] of Bandaramilly Channel [illegible] Extension to Palayu			4000	Do	Do
Do	15	West side Channel	Two Irrigation Channels and Parcha cotta Irrigation from the West side Channel [illegible] Mandapadam Canal			4000	Do	Do
Do	16	Dharmaiyer	Improvement of [illegible] the [illegible] Mandapadam Range			4000	Do	Do
D. the Bauphal Lake Range	17	Tungabadra Branch	Improving Ramen Irrigation Channels			3000	Do	Do
Do	18	Do	Channels and Embanking Canals for the better supply of Ramen and Allur Tanks			10000	Do	Do
			Total Kistna Anicut Eastern Delta			863790		
	1	Pulicat	Extension of Sluices Bridges from Pulicat Lake			100000	For Navigation. Estimate called for in G.O. No 3153 of 12th Oct 1864 - Not to exceed 10 Lacs	
the Mandapa Town Range	2	Retteru Mandapadam	Improvement of the Eastern Retteru Mandapadam Channel	30370		10000	G.O. No 223 of 24th February 1860	
the Buckingham Canal Range	3	Perakud	Bridge across the Main Road Canal at Perakud (Salt Revd)	8180		4000	G.O. No 296 of 25th January 1866 -	

				114000	
2 st Bastion 4	Ankals-	Skyttevæmmets Linie			Pal Skandinavisk Kolonisation Selskabs indkøbte Landmidler skyldig
Linie Grøfte	Skanser og Lunetter	Skanserne Linie	17600	10000	
		Total Summen		124000	
		Hovedbroen Skjønnet			Pal Skandinavisk Kolonisation Selskabs indkøbte Landmidler skyldig Regnedig
7 st Traverser 1	Plankefakaser	Skanser Linie		6000	
Linie Grøfte		Skanserne Linie			Regnedig
		Total Sum		5000	
		Total Skjønnet Summen		397090	

Supltg. Ingr. Officer
Bergman
24 de September 1868

Geometricon
Supltg. Ingeniør Premierlieutenant

Deutsch Reichsland Bezirk Lothringen 500 Mark Gold

Distrikt Meldung	Civil- Bezirks- Präsident	Gerichts- Präsident	Ober- Präsident	Total- summe
Metz	300	1000	500	1800.

Metz, den 24ten September 1888.

Der Kaiserliche Bezirks-Präsident
von Lothringen
Graf von Zedlitz und Neukirch.

Kielce Dziekt

Part II

Dekret o Akademii

Oryginał Wersja z 1809 r.

Communications.

	1	Sattore	Portion of Road No VII from Sandrau to Cabretta	242120	50000	65000	Not sanctioned. Estimate called for in G. O. No 3152 dated 12th Dec. 1867. Will be forwarded immediately.
3rd or Western Range.	2	Sattore to Dotenal.	Road from Sattore to Dotenal Pass	104737	71364	12000	G. O. No 1327 dated 30th April 1868.
1st or Sattore Pass	3	Tufealy	Bridge of 3 Arches over Tufealy Torrent on the Dotenal = ra jin Sattore Road (Cash Work)	4000	"	4000	G. O. No 3884 dated 8th Dec. 1866.
4th or Forth Range.	4	Angole to Devaram = pad	Road from Angole to Devaram pad (Cash Work)	× 29000	"	5000	× Approximate. Not drawn out. Estimate will be submitted shortly.
——— Do ———	5	Koppole to Betram = = coontah	Road from Koppole to Betram coontah	× 22000	"	5000	× ——— Do ——— Do ——— Do ———
2nd or Centre Range	6	Kavali.	Converting the Kachi Bridge and Bungalow into Travellers Bungalow	Not known 2500	"	2500	Not sanctioned. Estimate called for in G. O. No 1748 dated 22nd June 1868. R. D. & G. O. No 2046 / 26th Idem R. D.
			Total Communications			94100	
			Miscellaneous & Professional Total			0	
			Gen Total Civil Roads & Bridges			503140	

Superintg. Engrs Office 2nd Div.
Bellary
24th September 1868

Communications
Saint Clair R. E.
2nd Div.

Sirdhary

Ford

Civil Buildings

3rd or Western Range	1	Mhow Road	Taking Cutchery and Hut = Sirdhary Jail				10,000	Not Sanctioned. Estimates called for in G.O. No 2190 dy 8th July 1868 Nat. Co.
Do	2	Bodiaghoss	Do = Do				10,000	
Do	3	Rajpur	Do = Do				10,000	
4th or Western Range	4	Nanighurry	Do = Do				10,000	
	5	"	Alterations to Sub Magistrate Cutcherry &c &c in Sirdhara District.				5,000	
	6	"	Police Stations				300	
			Total Civil Buildings				46,300	

Jail Buildings

Barrack for Sirdhara Police Battalion

1st or Sirdhara Range	1	Sirdhara	Superintendents Quarters Barrack Guard Room Cookhouse and Cutcherry in Sirdhara District	412,100	132,227	60000		G.O. No 1844 dy 20th June 1867. Budget Item 150 of 1868/69.
2nd or Centre Range	2	Sangum	Superintendents Quarters Barrack Guard Room Cookhouse and Cutcherry in the Northern Sirdhara Police Range	about 30 Acres		300000		Not sanctioned. Estimates will be submitted shortly.
1st or Sirdhara Range	3	Chennur	Channel from Pethapoorey River to Chennur Tank	22,400	17,660	2740		G.O. No 784 dy 9th March 1868 Budget Item 152 of 1868/69.
			Total Jail Buildings				362,740	

	1	Pallore	Portion of Road No VII from Pallore to Culvert	242130	50000	65000	Not Remedial. Estimate called for in G. O. No 3152 dated 12th Oct. Title to be forwarded immediately.
3rd or Eastern Range.	2	Pallore to Dorenal.	Road from Pallore to Dorenal Pass	104737	71364	120000	G. O. No 1327 dated 30th April 1868.
1st or Pallore Ry	3	Tuscaly.	Bridge of 3 Arches over Tuscaly Channel on the Dingas = ra jiji station Road (Cultivated).	4000	"	4000	G. O. No 3884 dated 8th Dec 1866.
4th or Northern Range.	4	Angole to Dewandan = pade	Road from Angole to Dewandan pass (Cultivated).	29000	"	5000	× Approximate. Not Remedial Estimate will be submitted shortly.
——— Do ———	5	Koppole to Berau = = gombeli	Road from Koppole to Dhangaon Cultivated land near Berangoonta	×22000	"	5000	× ——— Do ——— Do ——— Do ———
2nd or Centre Range	6	Kawali.	Converting a No Pucka old Bungalow into Travellers Bungalow	2500	"	2500	Not Remedial. Estimate called for in G. O. No 1748 dated 22nd June 1868. R. D. & G. O. No 2046 D/26th Idem R. D.
			Total Communication Main Roads Bridges Embankments & Culverts			94,100	
			Port			0	
			For Contingencies Works			503140	

Superintg. Engrs Office 22nd
Bellary
24th September 1868

Contractor

Lieut Colonel R.E.
2nd Do

Statistical Table giving the Census of Population, Houses, Families, Religion, Education, Occupation, Age, Sex, Civil Condition, Birthplace, Deaf-Mutism, Blindness, Insanity, Idiocy, Pauperism, Crime, Literacy, Nationality, Race, Tribe, Caste, Language

Estimate of Expenditure

from the 1st July 1869

to 30th June 1870

for

Public Works

Establishment

Estimates

for

Public Works

Establishment

1869/70—

No 2400

Superintending Engineers Office

3rd Division

Bellary 1st October 1868.

From, The Superintending Engineer

3rd Division

To, The Secretary to Government

P.W.D.

Sir,

I have the honor forwarding the Budget Estimate for 1869/70, & beg to draw your attention to the Abstract of Sums required for Minor Works.

2 I have entered a sum of Rs 10000 under head of service under head Military "Bellary" and increased the amount under Civil Buildings from 5 to 800 in the same District. I would also ask to increase the same under this latter head in each of the other Districts by Rupees 100.

3 Estimates are being received and owing to the general inefficiency of the grants made under the several heads for Minor Works, they are obliged to be put aside and I cannot observe that there are several Minor

Executive

Fo. 351

Budget 1869-70

Part 1

Abstract

Head of Heads		Imperial	Local	Total
Roads	Bellary	2,26,200	"	2,26,200
	Cuddapah	"	"	"
	Kurnool	1,000	"	1,000
Civil Buildings	Bellary	1,09,133	"	1,09,133
	Cuddapah	1,33,500	"	1,33,500
	Kurnool	20,500	"	20,500
Agricultural	Bellary	3,000	"	3,000
	Cuddapah	28,090	"	28,090
	Kurnool	3,090	"	3,090
Communications	Bellary	35,000	"	35,000
	Cuddapah	5,000	"	5,000
	Kurnool	34,200	"	34,200
	Total Rupees	5,98,123	"	5,98,123

Superintending Engineer's Office
for 3rd Division
Bellary 1st October 1868

Superintending Engr. (3rd Div.)

Part II

Detail of Estimates for Original Works for 1869-70

Executive Division

Ballary

No.	Locality	Projects Description	Amount of Estimate	Amount Expended up to 31st March 1869	Estimate for 1869-70	Remarks or References
1	Ballary	Improving the supply of water to the Cantonment	69,200	32000	37,200	Abstract No 3 of Budget 1868/69
2	"	New Garrison Steam Generator & Offices	24,500	16,500	8,000	—"—"—9—do—do—
3	"	Hospital for Epidemic Diseases for European Troops			2,000	—"—"—10—do—do— See para 6 of Genl Order No 2955 of 18th September 1868. Estimate under preparation.
4	"	Garrison Lock Hospital	15,900	12,000	3900	Abstract No 13 of Budget 1868/69 See para 6 of Genl Order No 2955 of 18th September 1868.
5	"	Improvements to Barracks & Sheds of Horse Artillery 3/6" Battery	15000	3,000	12,000	"—"—15—do—do— Estimate under preparation
6	"	Female Hospital for Cavalry Troops	40000	10,000	20,000	"—"—17—do—do— See para 9 of Genl Order No 1396 of 5th May 1868
7	"	Quarter Guard for Royal Horse Artillery	11000	"	10000	Estimate under preparation. See proj letter No 2328 of 26th September 1868. Estimate under preparation
8	"	Stabling for Sick Horses Royal Horse Artillery	12000	"	10000	Estimate under preparation
9	"	Harness Room for Royal Horse Artillery	12000	"	12000	Estimate under preparation
10	"	Double Slaughter Houses	2000	"	2000	Genl No 1107 of 20th April 1868
11	"	Hospital for Native Troops	24,000	20,000	20000	Para 5 of Genl No 2955 of 18th September 1868. Estimate under preparation.
			272,700	93,500	161200	

Executive Engineer

Projects

No.	Locality	Description	Amount Computed for Estimate	Estimate Expenditure 31st March 1869-70 1869	Estimate	Remarks or References.
		Brought forward	2,62,700	93,500	1,61,200	
12	Ghooty	Rest House { 2 Blocks of Barracks and Offices ——— 1 Married Quarter ——— 1 Officers ———	3,00,000	"	50000	G.O. No. 1398 of 8th May 1868. Estimate under preparation
13	Bellary	New Burial Ground as per plan and Estimate ——— Grant for minor works the Estimate for each of which does not exceed Rs. 2500 each. ———	2,590	"	5,000	Vide para 11 of Cotton Frontier Gaz. G.O. No. 295 of 18th September 1868.
		Total Brought forward	5,65,290	93,500	2,16,200	
					11,000	Vide Statement on back sheet.
					2,27,200.	

List of Works under 2500 Rs. each. Amount Rs.
for which no funds have been provided.

Constructing Shed for Granite Carts of the Commissariat Department 2,320 — — G.O. No. 175 Dt. 20 January 1868
do Slinging Shed for Sick Horses of the Horse Artillery — 992 — — G.O. No. 2,987 Dt. 17 Septr. 1867
3,312 — —
see also my letter No. 2,328 Dt. 26 Sept. 1867.

Executive Department.

Executive Department.

No.	Locality	Description of Project.	Amount of Estimate	Computed Expenditure to 31st March 1869	Estimate for 1869-70	Remarks or References.
		Civil Buildings				
Bellary	14	Bellary Cantonment Irrigable Cutcherry	8333 "		8333	Sanctioned G.O. No. 1235 of 22nd April 1867. See para 130 of Jury Letter from the South G.O. No. 2965 of 10th September 1868
Bellary	15	" Sessions Court House	35000 "		15,000	G.O. No. 99 of 10th March 1868.
Cuddapah	16	Cuddapah Collectors Cutcherry	45000 "		10,000	G.O. No. 2202 of 10 July 1868.
Bellary	17	Anantapoor Sub Collectors Cutcherry	12000 "		12,000	G.O. No. 1232 of 23rd April 1868
Bellary	18	Ghooty Head Assistant Collectors Do	12000 "		12,000	Plans from the Subjudiciary Jail
Bellary	19	Hurpenhully Deputy Collectors Cutcherry	6000 "		6,000	Committee are awaited.
Bellary	20	Idonay Do Do	4500 "		12,000	
Bellary	21	Ghooty Do Do	16000 "		10,000	
Bellary	22	Hurpenhully Do Do	25000 "		10,000	Estimates for all these Cutcherries are in actives preparation and some have already been received and only await check before submission.
Cuddapah	23	Pulivendla Do Do	25,000 "		10,000	
Cuddapah	24	Cuddapah Do Do	25,000 "		10,000	
Cuddapah	25	Royachoty Do Do	25,000 "		10,000	
Cuddapah	26	Jammulmudgue Do Do	20,000 "		8,000	
Cuddapah	27	Budwail Do Do	20,000 "		8,000	
Cuddapah	28	Poddatoor Do Do	20,000 "		8,000	
Cuddapah	29	Jubboor Do Do	25,000 "		10,000	
Cuddapah	30	Madanapulley Do Do	25,000 "		10,000	
Cuddapah	31	Coilpaud Do Do	25,000 "		10,000	
Cuddapah	32	Kuddiri Do Do	25,000 "		10,000	
Kurnool	33	Yeddaconda Do Do	25,000 "		10,000	
Kurnool	34	Koilgoontla Do Do	25,000 "		10,000	
			478,333 "		207,333 "	

Land Officer Ms 2 1

Projects

Proposed Expenditure

No.	Locality	Description	Estimate expte 31st Jan 1870	Estimate expte 31st Jan 1869	Remarks or Reference
		Brought forward	4,78,633	2,01,333	
Bellary	35	Yemiganoor Sub Magistrates Cutchery	12000	5000	See proceedings Remarks
	36	Ramalapoor do do	10000	10000	
	37	Peelair do do	12000	6000	
	38	Pallumpete New Jail for 12 Prisoners	3000	3000	Tender proceedings
Do	39	Cuddapah Subsidiary Jail	10000	10000	do do
Bellary	40	Bellary Improvements to Jail	6,000	35,500	20000 Revised Estimate under preparation agreeable to G.O. No. 274 of 29th January
			5,90,633	35,500	2,01,333
		Grant for Peons for Courts to be restricted, each for petty charges not exceed Rs 2500 each	—	—	1800 Vide Statement on last sheet
		Total Civil Buildings			2,03,133

Executive Division

Bellary—

Cuddapah

Kurnool

No.	Locality	Description			
		Agricultural			
41	Jonnakallapalle	Restoring one of the Tanks			
42	Yeddadadary-pally	Restoring the Tank			
			2,000	2,000	
		Grant for Minor Works [illegible]			
		Total "Agricultural"		32,200	
		Communications			
Bellary 43	Bellary District	Road from Cumbum to Cumbum [illegible]			
		Completing 68 miles of Road between Kurnool & Cumbum			
		the Nundyanama Pass			
45	Kurnool District	Road from Kurnool to Nundyanama Pass			
46.		Metalling [illegible]			
		Grants for Minor Works [illegible]			
		Total "Communications"		74,200	

Bellary Road from Cumbum to Nundyanama Pass

Proposed Grant for Minor Works

Estimate Number and Page of Remarks or References.

Rupees 2,500 Each.

Bellary

Cumbum Frontier No. XII

Kurnool & Cumbum

Kurnool & Bellary Road

Grants for Minor Works [illegible]

Statement of sums required for Minor New works under various heads for 1869/70

Districts	Military	Civil Buildings	Agriculture	Communications	Miscellaneous Public Improvements	Total.
Ballarat	10,000	800 /y	3,000	5000 /y	"	18,800
Cuddapah	"	500 /y	3,000	5,000 /y	"	8,500
Kurnool	1,000	500 /y	3,000	5,000 /y	"	9,500
Total	11,000	1,800	9,000	15,000	"	36,800

Received per Post 18th Nov. 1869.
Read.

Passed per Post
Ex. Rs. 23160 — 55 —
Buxdget 1869-70.
Parts I & II.
Public Dept.

Approved
Chief Secretary

Approved
Chief Secretary

3rd Division
Part III

Detail of Estimate for Repairs for 1869/70

			Estimate 1869/70 Amount	Estimate 1868/69 Total Amount	Total
Military					
Kurnool	Minor Repairs to Buildings	500	500	"	500
Bellary	Do	18000			
	Cantonment Drains (provided for transferred to Provincial Department)	4660			
	Total Military	22660	23160	—	22660
Civil Buildings					23160
Cuddapah	Minor Repairs & Renewals &c Buildings	3100	3100	"	3100
Kurnool	Do	350	350	"	350
Bellary	Do	1495	1495	"	1495
	Total Civil Buildings	4945		—	4945
Agricultural					
Cuddapah	Minor repairs Irrigation Channels	7500			
	Do Tanks	27500	35000		35000
Kurnool	Do Irrigation Channels	7000			
	Do Tanks	15000	22000		22000
Bellary	Toongabuddra Channels, Repairs	15200			
	Minor Repairs & Irrigation Channels	19000			
	Tanks	34800			
			69000		69000
	Total for Agricultural		126000	—	126000

Estimate 1869/70 — Estimate 1868/69

Amount Total — Amount Total

Communications

Cuddapah. Cuddapah & Bellary Road.

M. F. Yds.					
24/2	"	"	In Cuddapah Range.	4900	
30	"	"	" Poddatoor — do —	6000	10900
24-6-110			Cuddapah and Kurnool Road		3125
4/2	"	"	Cuddapah and Nellore Road From 3/2 to 8/2 Mile Stone Cuddapah Range		900
36/2	"	"	From 8/2 to 44/2 Mile Stone Poddatoor Range	7300	22200
52/2	"	"	From Cuddapah to Kalkuda including Goanulcheruvu Chauki Cuddapah Range		11000
20	"	"	Kalkudda to Kullooru Madanapully Range	4000	15000
			Cuddapah and Madras Road		
8	"	"	From Cuddapah to Kanamalapully Cuddapah Range	1600	
60/4			From Kanamalapully to North Arcot frontier Pullampette Range	12250	13850
13	"	"	" Poongamoor frontier via Kadiri Kanapully to Angalee on road to Royachoty	1560	
			Angalee to Royachoty *	4440	6000
76	"	"	Cuddapah frontier near Pullampetta via Ruddnee to Angalee part of Trunk Road No. XII		7600
40	"	"	Royachoty to Ruddnee *		4000
			Minor repairs to Roads &c.	7810	
			do Travellers Bungalows	600	8410
					77085

Estimate 1869/70 — Estimate 1868/69

Amount Total — Amount Total

Kurnool

M. F. Yds.					
31-4-125			Road from Kurnool to Cuspa	7740	8250
56	"	"	Road from Kurnool to Coote	7950	8250
57	"	"	Road from Kurnool to Gazulapully on Cuddapah & Rundeconama Chauki	5700	5700
22	"	"	Rundy Conama Chauki	6600	6600
31-6-138			Cuddapah frontier of Rundyconama Chauki near Kistanawaddy subdr. to Cumbum and Nellore Districts	3200	3200
35-7-44			Cuddapah frontier near Chengalamma to Sydapoor	3600	3650
			Repairs &c to Roads	3080	
			do to Travellers Bungalows 204		
				32884	32054
				38074	38854

Bellary

Bellary & Dharwar Road

15	"	"	Road from Bellary to Soranagully Raidroog Range Hospett R.	3000	
48	"	"	Soranagul to Hiempasagur	9600	
20	"	"	do to Ramandroog	4000	
12	"	"	Ramandroog to Hospett	2400	
				19000	19000
M. 4.22.			Bellary to Gargsane frontier beyond Hemlakl.	2900	3000
				21900	22000

			Estimate 1869/70 Amount		Estimate 1868/69 Amount	
		Bellary & Nadavarzaam Road		21900		22000
12	"	Bellary to Beetla Railway R.	1800			
58	"	Bellary to Indavaram turning off at 29th mile Station on the Bellary & Karnool Road - Gooty Range	8700	10500		10200
		Trunk Road No XII				
24.3.210		From Joladarassy to Penkolum - Gooty Range	2450			
24	"	Penna Hallum to Anantapoor - Anantapoor R.	2400	4850		5200
		Bellary and Cuddapah Road				
28	"	Anantapoor to Cuddapah frontier near Dumpetla		2800		
13.4.10		From Bellary to Joladarassy. Railway R.	2750			
76.1.125		Joladarassy via Gooty to Cuddapah Frontier Gooty Range.	15250	18000		18800
		Bangalore & Secundra-bad Road -				
25	"	From Karnool District to Anantapoor Range Frontier - Gooty Range	3750			
45	"	Penna Condah Range Frontier to Gooty Range frontier near Garladonna Anantapoor Range.	6750	16050		16050
36.6.26		From Mysore frontier to Anantapoor Range. frontier near Gooty Penna Condah R.	5550			

			Estimate 1869/70 Amount		Estimate 1868/69 Amount	
		Gooty to Racheor		74600		72850
7	"	From Gooty to Jonnagherry on Gooty Range	700	2520		2500
12.1.197		From Aspri to Adony Do	1820			
		Minor repairs to Roads &c		11420		
		Do to Travellers Bungalows		600		
				12020		11422
				88640		87570

Minor Repairs

Cuddapah -

19.4.66		Road from Pullumpet to the top of Rentoor Ghaut		2000		2000
8.2	"	Nandampelly via Soglaby to Mysore frontier		850		850
		Special Repairs to Roads and Bridges		4960		4960
				7810		7810

Karnool.

24	" 105	Road Jonnagherry to Aspri		2400		2500
		Road between Karnool and the Nizams Frontier		100		100
		Special Repairs		580		580
				3080		3180

Bellary.

12.1.33		Bellary & Karnool Road between Allore and Aspry		1820		1650
20	"	Coodaloy to Cumply Hosha Range		2000		2000
				3820		3650

Estimate for Current Fiscal Year ending June 30th 1887 | Estimate for Current Fiscal Year ending June 30th 1888

13e	3 "	Asphalting Sidewalks	3820	3650
12 "		Special Repairs	600	"
58 "			7,010	7,000
			11,430	10,650
24. 3				
24 "		* This denotes the works proposed to be done from Special Fund Budget.		
28 "				
13. 4		Sidewalk Engineer's Office 30th September 1887		
76-1				
25				
45				
36				

Dept. of Engrs. Office M.G.D.
Madras 3rd October 1868

No. 3296.

From,

Colonel C. J. M. Balneavis R.E.
Superintending Engineer M.G.D.

To,

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

Sir,

I have the honor to forward my Budget Lists Part II & III for the ensuing year 1869/70 which have been prepared in accordance with the instructions contained in G.O. No. 2919 dated 24th October 1865.-

I have the honor to be
Sir
Your most obedient Servt

Colonel RE
Supt. Engr. & MGD.

Received Oct. 4th 1868

To the Secretary to Government
Public Works Department
Madras.

Sir,

I have the honor to forward herewith
Budget Estimates Part II & III
for the year 1869-70 for the Madras
Division.

I have the honor to be
Sir
Your most obedient Servant

Executive Engineer
Madras Division
Madras 3rd October 1868

Budget 1869-70.
Part III.

Fort St. George Dept. Works

The Superintending Engr
A. Division

The Secretary
to Government

Dated 3-
Rec'd 5
Dept

No 3295

Enclosures 2

Forwarding Budget
Estimate Part II & III for the
ensuing year 1869/70

For 39/30 3914-15 Accts

No 352

Detail of Estimate for

Executive

Department of Agriculture

Estimate of Expenditure for 1869/70

Approximate Estimate of Cost of Buildings erected or in course of Erection for Executive Purposes.

Estimate of Expenditure for Buildings required for Executive Purposes.

Military

Services						
Northern Range	1	Fort St George	Fencing, planting, draining, laying out roads and making a Cricket ground and Race course at Fort			
do	2	Scarborough	Repairing the Barracks at			
do	3	Fort St George	Constructing a Fives Court at Fort St George	£3900	£2900	£1000 Sanctioned in G.O. No 3481 of 6th August 1867.
do	4	Cumaca	Marine Sanitarium at	£10,000	"	£1,00,000 Plan and Estimate under preparation. Vide G.O. No 2063 dated 30th June 1868.
do	5	Fort St George	Constructing Quarters for a 2nd Captain of Artillery in the Fort	£200	"	£200 Sanctioned in G.O. No 2889 of 30th Sept 1868
					Carried over	158150

£5,000	£3,000	£2,000	Scheme to be submitted & sanctioned by Government.
£35,000		£20,000	Plans & Estimates under preparation Vide G.O. No 2289 dated 6th July 1868.

Detail of Estimate for Proposed Works for 1865/66

Number	Locality	Description	Brought down			Remarks & References
			Brought down	158150		
Dundas Northern Range	6	Fort Stanger. Constructing a Gymnasium & Armoury & Cricket-ground at Fort Stanger	11200	"	11200	Approximate Estimate sent to Brigade Major on the 8th August 1865 Vide G.O. in the Military Dept. dated 31st January 1865.
do	7	do Recreation and Reading room at do	3000	"	3000	
do	8	do Two Women's day rooms at do	8800	"	8800	
do	9	do Converting the Regimental Canteen into Prisoners' and Guard Rooms	12000	"	12000	Approximate Estimate sent to Brigade Major on the 2nd February 1865 Vide G.O. in the Military Dept. No. 178 of 16th January 1865.
do	10	do Converting the Regimental Canteen into Swimming Bath of Sea Water	14000	"	14000	Do Do on the 2nd February 1865. Vide G.O. in the Military Dept. No. 178 of 16th January 1865.
			Carried over	207150		

Detail Estimate for

Number	Particulars	Quantity	Rate	Amount	Remarks
					Brought forward 207150.
Madras Monat Barrack 3	11. do Constructing Barrack accommodation for Field & Battery Artillery in Mounted Infantry Lines				
do	12. do Improvements to the Garrison Hospital at the Mount Barracks.				
	Apothecary's Quarters and out Houses	3750	"	3750	Sanctioned in G.O. No. 1979 dt 3rd July 1866 to Standard Plan.
	Lowering the Compound Wall & making Stabling and Iron railing	8200	"	8250	Sanctioned in G.O. No. 1220 dt 7th January 1867.
	Dry Earth Latrines				
	Dry Earth Latrines for Barrack Hospital	950	"	950	Sanctioned in G.O. No. 1637 dt 26th May 1866.
do 13	do Constructing Stables for the Horses of the two Batteries of Artillery at the Mount	30120	"	30120	Standard Plan - Sanctioned in G.O. No. 1892 dt 25th June 1867 - Govt. of India Letter No. 132 dt 3rd May 1867.
do	14 do Swimming Bath	12600	"	12600	Plan and Estimate under preparation vide G.O. No. 1036 dt 17th Feb. 1866.
				321400	Carried over 321400.

Detail of Estimates for

Presidency Division &c. Locality	Description	Original Estimate for Engineer Establishment &c.	Revised Estimate for Engineer Establishment &c.	Remarks & Reference.
Madras. Fort St. George 15	St. Thomas' Mount. Enclosing the Cantonment with Stone railing &c. to the new Female Hospital at the Mount.	Brought Over 321400		
		1870	1870.	Plan and Estimate will be submitted shortly to Government - Vide Mad. Gen. Order of 1868 Morning Class C° 22.
do 16	Palaveram. Constructing a Wash House and Nursery for European Troops at Palaveram.	4250	4250	Plan & Estimates approved by H.E. the Commander-in-Chief and will be submitted shortly to Government
North Arcot. Vellore 17	Vellore. Constructing Latrines on the Standard Plan for the Native Infantry and detail lines at Vellore	5700	5700	Estimate under preparation
Presidency Northern Ranges 18	Near Town. Making certain alterations to the Quarters of the 2 Sergeant Instructors attached to the Gun Carriage Manufactory	5480	5480.	Sanctioned - Vide G.O. C° 372 dy 3 Feb - ruary 1868.
		Carried Over	347500.	

Detail of Estimate for

Executive

Division for Locality

Details

Remarks or References.

Madras

Presidency

Southern Range

19. Methorhumut Retrenches to Reserve Powder Magazine at the Ground

20. Cavalath Coonbatoor Nuncondapoth and Ramnaf Magazines & Secretariat Furniture for Barracks

21 Grand for Minor Works the Estimated cost of which does not exceed Rupees 2500 each.

Total Military

Brought Forward 3,17,500

25750 5000 20250 Plan and Estimate received & Government letter 1802 dated 15th Dec. and 1465 dated 15th May 1868.

1880 1880 Plan and Estimate submitted to Government & Estimate 1797 dated 15th June 1868.

20000 " 20000

" " 395,630.

Detail of Estimate for

Division

Description

Civil Buildings

Division	No.	Description	Estimate	Remarks & References
Presidency				
Southern Range	22	Chapparah Improvements &c. to Revenue Court House		Sanctioned under Proceedings of Board of Revenue &c. for Northern Circars dated 18th June 1866 & 26th ult. for 1st Range 1866.
Madras				
Mount Range	23	Sydapett Additions and alterations to the Collector's Cutcherry at Home's Garden Sydapett	1500	1500 Sanctioned vide P.C. 2189 dated 19th July 1866.
North Arcot				
Chittoor	24	Chittoor Improving the Augur Cutcherry Chittoor	4000	4400 Sanctioned vide G.O. No. 3316 dated 24th October 1866. 1867
do	25	Gudiattum Deputy Collector's Cutcherry at Gudiattum	"	5000 Plan and Estimate under preparation vide G.O. No. 2257 dated 18th July 1865.
Presidency				
Southern Range	26	Black Town Constructing a new General Post Office	175000	75000 Design under preparation vide G.O. Nos. dated 8th Jan 1866 & 1065 dated 25th April 1867
		Carried down	151,500.	

Abstract of Estimate for

Executive

Carried forward

Presidency

Original Estimate Rupees

Remarks & Reference

Brought forward 151,500.

Presidency				
Nath Ranges 27.	Repairs & Construction of Barracks Stables &c at Madras			
No. 28.	Erecting an Office for the Registrar and District Registrar at the Presidency	2,500		
	Making certain alterations to various sheds in order to adapt them as orderly offices for the Registrar General's Office	390	2,890	Rs. 2,890. Sanctioned by Govt. Order No. 3343 dated 19th October 1866.
South Ranges 29	30 Constructing Reservoir at the General Hospital	13,300	13,300	Estimate will be submitted to Government. Vide Govt. Order No. 644 dated 25th February 1868.
			Carried over	2,68,390.

Detail of Estimate for

Executive Division & Locality	Description	Original Estimated Expenditure	Expenditure to 30th June 1868	Expenditure during the year 1868-69	Remarks & References.
Presidency Northern Range	30 Pugmill & Extending Cranbrook Water Course with necessary additional Tanks for the use of the Calcutta Troops	6100 "	6150		Ordered to be held in abeyance for the present as available for Calcutta Troops 29th June 1868.
Madras	31 Near Madras Constructing a Public Bungalow at Seven Pagodas	5000 "	5000		Plan and Estimate forwarded by the Executive Engineer Chingleput No 2 of 16th May 1868.
Presidency Northern Range	32 South Beach Erecting a Female House	250000	50000	100000	Vide GI. C. No 1272 of 24th April 1868. Estimate under preparation
do	33 do Presidency College	239052			
	Auxiliary Buildings	12911			
		251963	252763	7237	Vide GI. C. No 835 of 18th March 1867 & No 3148 of 3241 of 11th Dec 1866 & No 276 of 24th January 1868
N. Arcot Wallajah Range	34 Wallajahpett Enlarging and improving the School House at Wallajahpett	3900 "	3900		Plan and Estimate forwarded by the Executive Collector by the Acting Assistant on the 22nd August 1867

Carried over - 392477

Detail of Estimate for

Executive

Divisions &c.	Details			
Headquarters				
Southward Range	35	Verandettos	Superintendence & Establishment	
Headquarters				
Eastward Range	36	Asylum	Constructing Lodging Rooms Offices Jail Cells and Fences	
1st Range	37	Guard House	Improving the Jail & Guard House & commanded by the Commissioners assembled pursuant to Act of 10th of February 1865	
North West				
Wallajah Range	38	Triplany	Constructing Sub Magistrates Cutcherry and Police Station & Establishment	
do	39	Wallajahpett	Constructing a Subsidiary Jail Cutcherry & Buildings complete at Wallajahpett	

Brought over	392477		
Forest	Permit Plans & Estimates tendered for & sanctioned vide G.O. 10th of 16th June		
Forest	Plans & Estimates tendered for & sanctioned vide G.O. 10th of 16th June		
1st Range	30000	30000	Plans & Estimates forwarded by Govt. to the Sub Collector Cost Rs. vide G.O. 2165 of 11th July 1866.
Eastward Range	12000	12000	Plans & Estimates called for vide G.O. 1839 of 18th March 1868.
do	6500	6500	Plans & Estimates will be submitted shortly to Government vide G.O. 839 of 18th March 1868.
Carried over	536477		

Detail Estimate for

Executive Division	Locality	Description			
North Arcot					
Wallajah Range	40 Arcoonum	Constructing a Head Assistant's Collector's Courthouse and Record Godown at Arcoonum			
Vellore Range	41 Vellore	New Central Jail at Vellore	38000	35816	5000 Revised Estimate under preparation will be submitted shortly for Government.
Chittur	42 Palmanair	Constructing Subsidiary Jail and Magistrate's Office at Coorpharee	2	"	1000 Estimate under preparation vide G.O. 1839 dt 18 March 1868.
	43	Grant for Minor Works the Estimated cost of which does not exceed Rs 2500 each	15000	"	15000
		Total Civil Buildings		"	835977.

Abstract 38777

3200 Revised Plan & Estimate under pre... sanction

Electric

Duration &c.	Locality	Description				Remarks & References.
		Agricultural.				
Madras 1872 Pages 44		Forming & maintaining Tanks				
do 45	do	Repairing Sluice & Head Sluice of Tank & Channel to 18 Villages from the Cauvery River				
do 46	do	Enlarging the Calingu Bundah & Calingu Channel, Constructing a new regulating Sluice in the Bundah of the Tank & maintaining Tank Bund from the present Head Sluices to the Head of the Calingu and Settamangalam Tank river supply Channel &c.	4329	"	4329	Plans & Estimates forwarded to Collector.
do 47	do	Constructing 36 yards Calingu Bridge & Madachoor Tank	3030	"	3030	Estimates forwarded to the Collector.
		Carried Over	45359			

Abstract of Estimates for

Executive

Department for Security

Date of Estimate

Brought over 45359

Madras

1st & 2nd January Protecting bund & Road at the Native Chennel on the Eastern side of the Island of Pamben & making Road thereto

1200 " 1200 Estimate under preparation & to be submitted shortly by Government

do 4th Trivellore Allicoly project for supplying tanks & Kendrum polam, Sevoor Tank & 2 pair Reclamations and other Lands

13000 " 13000 This Project has proposed by Mr Bain Executive Engineer & Collector of Madras — Estimates & Plans are in the Collector's office —

do 5th do Ramanjeny Project

4500 " 4500 Estimate under consideration

do 51 do Chuppraig & Naglapooram Black Lands

7860 " 7860. Estimate under preparation

do 52 do Tannapoor Lands

10000 " 10000 Do Do

Carried over 85919

Detailed Estimate for

Executive Division Locality Description

Madras

Sl. No. 53 Page 5 — Trivellore Tank Cary Repairs — Rupees 5000 — Rupees 5000 — Do — Do

— do — 54 — do — Vadugoor Tank — 5600 — " — 5600 — Do — Do

— do — 55 — do — Kuppoor Pultrapenumbaker Tank — 5600 — " — 5600 — Do — Do

— do — 56 — do — Naglapoorum Red Tank — 3800 — " — 3800 — Do — Do

— do — 57 — do — Velapankum Tank — 3325 — " — 3325 — Do — Do

Madras

Sl. No. 3 Page 58 — Yellasur Constructing an Anicut across the Coupal River adjoining the limits of Yelasur — Rupees 17382 — 2618 — Sanctioned for Rs. 20000 vide G.O. Sl. No. 3938 dy 14 Dec. 1866 — Revised Estimate will be submitted shortly to Govt. with Report

Supplemental Estimate — Carried over 11,262

Executive

Department of Public Works

Certificate

Madras.

				Brought down	114362
1	No 4 of 59 Ranges	Madras Northern Circle	Calingulah Anicut Project	Lacs 1	Rupees 1350	Rupees 134350	16th November 1859.
			Auxiliary works to do				
	do	60	Vyperyary Excavating a new Channel for irrigating the Lands of Vaire & Vaire Immangalum Vyperyary and Kudalore			3300	
			Constructing an aqueduct of 3 Vents, each of 6 feet span across the Poyagary Madras Road			610	
			Constructing a Head Sluice for Vyperyary Main Channels			320	
	do	61	Kurnar	The Killiar Lower Anicut Project for the irrigation of Waste & Poonjah Lands in the Villages of Kurnar and Veeraja Cannan		17000	"	7000	Estimate under preparation.
				Passed over				125842.	

Detail of Estimate for

Executive

Division for Locality

Detail of Estimate

Brought forward 125,843

Madras

No 4 Range 2 & 3 Veriyar Improvement of the Periyakulam Tank
=ttor
Supplying Channels and Outlets &
Surplus Water of the same

15,000 — 15,000 Estimate under preparation

In Madura Range 63 Red Hills Madras Water Supply Project

10,000 6 m 59 Sanction'd by Govt in their order dated 15th Dec 1866 G.O. No 6 m 59. Govt of India Sanction No 626 of 19th July 1866. Plans and Estimate under preparation.

No 7 Range 64 Chembram. Enlargement of Chembrambakkam Tank
=bauktam
Project

3,65,435 120,000 120,000 Sanctioned by Govt in their order of 7th Dec 1867.

North Arcot

Vandiavandy Henry 65 Inullasuvaram Restoration of Inullasuvaram Tank

12,700 " 12,700 Estimate under consideration

Vellore 66 Vellore Restoring the Coana Naick Nagalamman River
with and diverting the Vellore and Ari
river Road round the same

15,000 " 15,000 Estimate under preparation.

Carried over 6,31,062.

Detail of Estimate for

Executive

Department for Locality

Detail of Estimate

Brought over 6,31,042

1st Abstract					
2nd Yellow 67	Yellow Bilum High Level Aqueduct on the Road to Salsey	15000	"	15000	Estimate under preparation.
Yellow 68	Nullakeur Widening and deepening the Canal from Nullakeur to Tatry and Effecting the Navigable Channel at Thegaum at Nullakeur to Tatry	47000	20000	27000	Sketch in progress. Plan and Estimate will be completed shortly & Submitted to Govt. on the 2 October 1868.
do 69	Cowlour to Improving and widening the Channel from Cowlour to Godavery to Tatry	5200	"	5200	Estimate returned by the Executive Engineer for original plan to be resubmitted with complete estimates for all works required in the Thegaum Anicut & System of Canals.
do 70	Thegaum Constructing Abutments across the Thegaum Channel at Nuggeday, Mogalrondoor, Nullakeur	4200	"	4200	Estimate will be submitted shortly by Government.
do 71	Seesamma-gaum Reopening the Seesammagaum Channel	11200	"	11200	The Cut under this Channel pays Rs. 14,000 to Revenue. This project appears to have been kept in abeyance since 1866.
		Carried over	6,93,642		

Executive

Carried forward [illegible]

Brought forward [illegible]

72	Nathy Ricot	Improving the Allabad Shikargha and the pulled Sarai and making a new approach	2500	2500 Returned forward to the Collector for opinion & recommendation thereby to Government
73	do	Improving the Nasoor Chauki & Sarai	2500	2500 Returned under consideration
74	do	Improving the Sarai & Chauki & also constructing a Caravanserai at Gurpeeree	2500	2500 Do Do
75		Grant for minor Nuzul Works to the extent of which drawn not exceed Rs 2500 each	50000	50000
		Total Agricultural		7,51,462

Detail of Estimate for

Executive

Province of Locality

Description

Communications

Madras.						
Rail 76	Railway Construction & Road from Coimbatore to Palghaut & Tramroad to Pollachi & Tramroad & No 6.	63000	4000	5000	Sanctioned in G.O. Pol. & Pub. Dept. dated 30th Oct. 1867. A sum of Rs 5000 was allotted from Special Funds.	
do 77	Trichinopoly Construction & Causeway across the Coleroon river on Trichinopoly side & No 3 near Railway Station to Trichinopoly	6500	"	6500	Estimate under preparation	
do 78	do do Road from Sattiveda to Tiruvapur & No 6	19000	14736	4226	Sanctioned in G.O. No 2013 dated 12th Dec. 1868	
do 79	do do do from Cotta collah to Trichinopoly & No 10 & 11 Trichinopoly	21300	18500	6027	Sanctioned in G.O. No 1431 dated 15th Nov. 1867. A sum of Rupees 1500 was allotted from Special Funds.	
do 80	do do do from Vellar Ancicut to Trichinopoly & No 13 at Coattoor via Tiruvarur Rail & Tramroad & way Station including 2 Large Bridges	20000	2000	5000	A sum of Rs 2000 was allotted for this work from Special Funds.	
do 81	Tyolapet do do from Tiruvarur to the Railway to Trichinopoly Road & No 6	13300	11000	2300	Sanctioned in Budget of 1868/69	
					Carried over	29091

Detail of Estimate for

Executive

Division of Locality | Description | Brief Road effected | Length | Estimated Cost | Remarks

Madras

No 82. Ranges — Pomairy Road from Pruitlore Bridge to Coonoor via Vellavoor and Pomairy — Brief Road effected — Length — Estimated Cost — Remarks: Included in the Budget of 1867-68.

do 83 do do From Arawe to Periapollium (about 4 miles) — Length — Estimated Cost — Remarks: Plans and Estimates forwarded to the Collector for approval.

do 84 do Remetalling Ground Road from Buddrig Bridge to the Pollium River and Permanent bridges — Length 2 3/4 miles — Estimated Cost 23,650 — Remarks: Included in the Budget of 1867-68.

do 85 Pruillore Remetalling and bridging the Road from Pollium to Ground Road on the 12 miles — Length 15 miles — Estimated Cost 15000 — Remarks: Plans and Estimates under preparation

do 86 do 80 From Coonoor to Ground Road on the 18th mile — Length 2 miles — Estimated Cost 10,000 — Remarks: 8 0 — 2 0

Neilgherry Ranges 87 Nellan-coopum — Proposed Road from Nellacoopum to the Kandalay — Length 3 miles — Estimated Cost 34,60 — Remarks: Called for by the Board of Revenue in their Proc. No 1950 dated 20 July 1867. Plans and Estimates forwarded to the Collector for approval.

Coimbatore Ranges 88 Streeper-mahal — Constructing Road from Streepermahal to Pillaur Railway Station — Length 3 miles — Estimated Cost 30,000 — Estimated Cost 45,280 — Remarks: Proceedings of the 12 Sept. 1863 and No 1830 dated 23 Nov 1866 — a sum of Rs 2000 allowed for the Ground Survey

Carried out 1867-68.

Detail of Estimate

Number	Locality	Description	Brought forward			
Inadad 1937 Nagad Sq	Kalaudu Khan	Constructing a 1st Class Metalled Road from Kalaudu Khan to Ishaq Pur & thence to Sialkot & a Branch from Kalaudu Khan to Gujrat	3000	1500	3000	Tender dated 30 Oct 1872 for 4 Years and deferred till 1st June 1877 for a term of 10 Years at a Rent of Rs 3000 per annum payable in Gold
do	90	Construction Renewing the Road from Cinnamon to Three Furnaces as a 1st Class Metalled Road	3686	1500	10000	Vide GOC No 3322 dated 25 Oct 1867 & No 3900 dated 20 Dec 1867 & thence of Rs 234 annually called from Three Furnaces & Gunda
do	91	Nallapah: Constructing a Road from Nallapah to Gunda & thence to Trunk Road at the 11th Mile Stone = Gunda = Nallapah	55860	1531-1	10000	Vide GOC No 3322 dated 25 Oct 1867 & No 3900 dated 20 Dec 1867 & thence of Rs 234 annually called from Three Furnaces & Gunda
do	92	Iriyur: Constructing a Road from Cattle Bridge to Iriyur = = = = =	55200	8000	10000	Vide GOC No 3322 dated 25 Oct 1867 & thence of Rs 3000 annually called from Iriyur to Iriyur
do	93	Gingee: Improvements to the Road from Gingee to Mc Leans Choultry on Trunk Road No 1	6720	530	6190	Estimate will be submitted Shortly by Government
do	94	Thingida: Constructing a Road from Coonoor Pottagoda = Line = Thingida to the 20th Mile of Trunk Road No 5	20000	4728	4000	Vide GOC No 3322 dated 25 Oct 1867 & thence of Rs 48 annually called from Coonoor & Thingida
			Carried over	247021		

Detail of Estimate for

Executive

Overseer 1st Locality

Detail of Estimate

	Roads					
do	95	Conjeveram Constructing a Road from a point on the Kanchipuram Chingleput Trunk Road to Pullúr Tramway station	Brought down	24,021		
			15,050	6,000	9,050	Estimate under preparation by Executive Engineer from Standard Scale 60 ch 1 in 330 dfs 5 Feb 1867.
do	96	Vendalur Road from Vendalur to the 8th Road to Chetpat = tan Kasam and Chrolong	12,000	1000	6,000	Scale 60 ch 1 in 330 dfs 5 Aug 1868 & Amount of Estimate 10,000 Rupees, to cover Expenditure for 2 years.
do	97	Structural Road from Structural to Padapay = Manamangalam	12,000	3000	5000	Scale 60 ch 1 in 330 dfs 5 Aug 1868 & Amount of Estimate 10,000 Rupees, to cover Expenditure for 2 years.
do	98	Wallajah Completing Road from Wallajahbad to Kanchi Chowltry on Trunk Road & the bridging & Metalling	12,000	"	6,000	Estimate under preparation by Range Officer
do	99	Conjeveram Completing and Bridging the Road between Conjeveram and Palar River	2780	"	2780	Estimate under preparation.
96 Range	100	Chegarv Chetapa = kalu	Gravelling the road from Chegarv to Chetpat = kalu	5750	1063	5787	Amount of Estimate 6,000 Rupees to cover Expenditure for 2 years.
			Carried Over	279,938		

Detail Estimate for

Executive Engineer Public Works Department

					Brought down 2,79,938.
Madras					
No. 4 & 101 Chingleput	Chingleput. Excavating a boat channel, embanking a big & a small tank, & making a road between Chitlapakkam & Chingleput	} 31,260	5530	28,930	Sanctioned vide G.O. dated 30th April 1866. but lapsed for want of funds.
do 102	Chingleput Road from the Public Store Yard to Road No. VIII to Tatteyapuram, Metalling	} 33,500	12000	21,500	Sanctioned vide G.O. dated 22nd April 1866.
do 103	Tiruvallur Road from Tiruvallur to join the new Road from the 41st Mile Stone to Road No. VIII near Kottaveduthangal	9150	1500	4,650	Sanctioned vide G.O. dated 2nd July 1867.
do 104	Chingleput Extension of Chingleput Salt Road from Tatteyapuram towards Maduranthagam in the North Arcot District as far as the Madras District boundary.	11,410	5000	6,410	Work commenced by order of Govt. in the Revenue Department dated 27th Dec. 1867. Survey & Estimate under forwarded to the Collector for approval on the 28th Dec. 1867.
		Carried over		3,34,768.	

Detail of Estimates for

Executive Division	Locality	Description			
					Brought Forward 2,54,738
Madras					
No 4 Roads	105	Thoughsepatt Reconstructing the 2nd Section of Trunk Road Ans Vm			Estimate under preparation for submission to Government in the Public Works Department
East Coast Canals	106	Between Dowleshwaram & Kistnapatam Locks Kistnapatam Northern Districts	Excavating Canal from Dowleshwaram Locks to the Kistnapatam Locks a distance of about 620 Miles		Estimate under preparation for submission to Government in the Public Works Department
North Circar					
Vizagapatam Range	107	Pennimuttum & Vizagapatam	Constructing a Road from Pennimuttum to Vizagapatam	3100	Estimate under preparation 3100 Vide P.W.C. No 2951 dt 13 October 1864.
Chendrapatty	108	Ramabhadrapuram Jeypore	Constructing Road from Ramabhadrapuram Choultry to 2nd Cowrie de 103 miles to Weller's Bungalow at Vizagapatam	18500	Plans & Estimates submitted to Government in Letter No 2964 dated 15th September 1868
Chittoor	109	Palmanair	Improving the Trunk Road from Palmanair to the Hoogly Ghaut	5000	Estimate under preparation Vide P.W.C. No 2693 dt 3rd Sept 1867
					Carried Forward 4,56,118

Detail of Estimate for

Executive Division	No.	Locality	Description	Brought Forward £84,118.			
Madras							
Vepery	110	Chingleput	Constructing a Bridge over the Palar	Estimate		30,000	Vide G.O. 10320 dt 18th Nov. 1863.
North Arcot							
Vellapalli Range	111	Kelveram	Constructing a bridge of 5 arches each 24 feet span to carry Cart-verippàk and Sholinghur Cart-way Station feeder over the supply Channel of Pambanda-vaddy Reservoir at Kelveram	6200	"	6200	Plan and Estimate will be forwarded shortly to Government.
do	112	Mahendra-vaddy	Do a bridge of 16 arches to carry the Sholinghur Railway, Katcherie and Mahendravaddy Road over the Supplus of Mahendravaddy Reservoir at Calingulah	5900	"	5900	Plan and Estimate under preparation.
				Carried over		96218.	

Detail of Estimate for

Executive Division	Locality	Description				
North Arcot						
Chandragiri	113	Constructing the unfinished Bridges of Pits on Trunk Road No 3 from Madras to Cuddapah	£330	£330	Estimate to be considered as this will be submitted shortly to Govt	
do	114	Jurpathy do additional Tunnels and Earth work on the Road from Jurpathy Railway station to Cavalry	2480	2480	do	do
do	115	Yaripett do additional Tunnels and Bridges on the Road from Yaripett to Vencatagherry	1680	1680	do	do
	116	Grant for Minor Works the estimated cost of which does not exceed Rs 250 each	2000	2000		
		Total Communication		532878		

Estimate

Detail of Estimate for

Executive

Durisdictions for Locality

Detail for

Miscellaneous Pub. Improvements

Note.

Abstract

Military	3,96,30
Civil & Buildings	8,85,977
Agricultural	761442
Communications	822,978
Miscellaneous Pub. Improvements	0
Grand Total Rs	2,16,727

Grand for Previous Page

Carried Forward

Return of Estimated Population

Districts

Districts	For Inner New Works & Suburbs under Military		
Presidency	4000	3000	—
Madras	2000	400	8000
Vizagapatam	400	1000	9000
Total	6,400	4400	17,000

Supdg. Engineers Office
4 Division
Madras 2nd October 1868.

Return of Estimated Population

Districts

Districts	For Inner New Works & Suburbs under Military		
Presidency	4000	3000	—
Madras	2000	400	8000
Vizagapatam	400	1000	9000
Total	6,400	4400	17,000

Supdg. Engineers Office
4 Division
Madras 2nd October 1868.

Madras Presidency

4th Division

Part II

Details of Estimates

for original Works

1869-70.

No. 1 to 8

G.O. No. Dated 1869

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Fourth Division

Part III

Detail of Estimate for Repairs for 1869-70.

		Estimate 1869-70.		Estimate 1868-69.	
		Amount	Total	Amount	Total
Military					
Fort St. George	Annual repairs to roads within the Garrison	2,500		2,500.	
Esplanade	do to Esplanade roads	11,047		11,047.	
Beach	do to road along the East Face of the Fortress	2,500		2,500.	
Fort St. George	Minor repairs to Buildings	18,000		18,020.	
do	Annual repairs to Fortifications	8,400		5,000.	
Perambore &c.	Minor repairs to Buildings	3,000		3,000.	
Esplanade	do do	3,000		1,500.	
	Repairs and exchange of Bath Blinds Punkah Fringes & Furniture to Public Works Department	700		700.	
			62,147.		50,267.
	Total		62,147.		50,267.
St. Thomas Mount	Annual repairs to Cantonment roads	1720		1720.	
Pallavaram & Poonamallee	do do	1,630.		1,630.	
St. Thomas Mount Poonamallee & Pallavaram	Minor repairs to Buildings	18,000.		15,000.	
			21,350.		18,350.
	Total.		21,350.		18,350.

Received.

Recorded.

North Arcot

Fourth Division

Part III

Detail of Estimate for Repairs for 1869-70.

		Estimate 1869-70.		Estimate 1868-69.	
		Amount	Total	Amount	Total
Vellore	Annual repairs to Contonment Roads	1,110.		1,110.	
do	Minor repairs to Buildings	3,000		3000.	
Ranneepettah	do do	4,000		3,000.	
			8,110.		7,110.
	Total		8,110.		7,110
	Total Publicity		91,607.		75,727.

Civil Buildings

Fort St. George	Minor repairs to General Buildings	7,000.		6,500.	
Black Town	do do	6,000.		6000.	
Mount Road	Annual repairs to Government Houses	5000		5000.	
do & Chepauk	do to General Buildings	10,000		9000.	
	do to Ecclesiastical do	1,000.	29,000.	1,000.	27500.
	do to Educational do		600.		600.
	Total		29600.		28,100.
Nydapett	Minor repairs to Revenue & Buildings	"		500.	
Guindy Park	do to Government Houses	3,000.		3000.	
St. Thos Mount	do to General & Revenue Buildgs	2,500.		2,000.	
Covelong	do do	500		500.	
	Carried Out	6000.		6,000.	

Madras District

Presidency

Madras Quarters

North West

Fourth Division

Part III

Detail of Estimate for repairs for 1869-70.

			Estimate 1869-70.		Estimate 1868-69.	
			Amount	Total	Amount	Total
		Brought over	6,000.		6,000.	
Chenglepet & Conjeeveram	Minor repairs to General & Revenue Buildings		7,000.		3,000.	
Madranticum & Caroongoly	do	do	2,100.		300.	
				15,100.		9,300.
		Total		15,100.		9,300.
Chittur	Minor repairs to General & Revenue buildings		2,200.		2,500.	
Vellur	do	do	3,000.		2,700.	
Ranneepett	do	do	1,500.		500.	
	do	to Police Stations	"		400.	
				6,700.		6,100.
		Total		6,700.		6,100.
		Total Civil Buildings		51,400.		43,500.

Agricultural

Presidency	Minor repairs to Tanks		3,500.		3,000.	
Madras	do	to Tanks & Channels	150,000.		98,000.	
North arcot	do	do	100,000		66150.	
				253,500.		167,150.
		Total Agricultural		253,500.		167,150.

Fourth Division

Part III.

Detail of Estimate for Repairs for 1869-70.

		Estimate 1869-70. Amount	Estimate 1868-69. Amount	
	Communications			
Presidency	Roads over Government Property within the limits of Govt Compound	1395	1395	GO No 3938 Dy 14th December 1866.
——do——	Roads leading from the Fort towards the Mount and Poonamallee	1058.	1058.	GO No 1429 Dy 11th May 1867.
—— do ——	Minor repairs to roads and Bridges	5000.	4860.	
		23,453.	23,313.	
Madras	Repairs to Trunk road No 6 from Vasurpoudy Tank Calingulatoor to Parengady lock water	11600.	11,600.	GO No 2283 Dy 11th December 1861 —do— 2790 Dy 12th September 1868. Length 28½ miles at 400 Rs per mile including Petty Establishment
Madras District	—— do —— Repairs to road from Conattur to Trivellur on the high road to Cuddapah —do— to road from North Trivellur high road to Cuddapah	4902.	4,902.	GO No 1191 Dy 17th June 1859 —do— 2790 Dy 12th Septr 1868 Length 19½ miles at 520 Rs per mile including Petty Establishment
	—— do —— Repairs to road from the Madras boundary to the 12th Mile stone	10,734	10,734.	GO No 2179 Dy 10th September 1859. —do— 2790 Dy 12th —do— 1868. Length 7 miles 990 yds at Rs 1358 per Mile Exclusive of Petty Establishment
	—— do —— —do— to road from Mylapore Tank to Conattur	5500.	5,500.	GO No 1696 Dy 10th June 1864 —do— 2790 Dy 12th Septr 1868 Length 5 miles 1206 yds at 504 Rs per Mile
		32,736.	23313.	

Fourth Division

Part III

Details of Estimate for Repairs for 1869-70.

	Estimate 1869-70.		Estimate 1868-69.		
	Amount	Total	Amount	Total	
Brought out	32,706.	23,453.	32,736.	23,313.	
Madras — Repairs to Trunk road No 1 from the 3½ to 53d Mile stone	25,000		25,000.		G.O. No 2412 Dy 11th October 1859. — do — 2790 Dy 1st Sept.r 1868. Length 50 Miles at 447 Rs per Mile exclusive of Petty Establishment
— do — Repairs to Road from Palaveram to Acheravaukk	21082.		21082.		G.O. No 1332 Dy 27th March 1855. — do — 2790 Dy 1st Sept.r 1868. Length 47 Miles at 440 Rs per Mile exclusive of Petty Establishment
— do — do — Road from Veeramoochy to Korattur	2672		"		Estimate will be shortly submitted
Minor Repairs to Roads &c.	8366		8366.		
Minor repairs to Travellers Bungalow	1500		500.		
		91356.		87684.	
North Arcot. Repairs to Trunk road No 1 from the 53½ to 125th Mile	7540.		7540.		G.O. No 2113 Dy 14th November 1863 — do — 2790 Dy 1st September 1868. Length 69½ Miles at 102½ Rs per Mile exclusive of Petty Establishment
— do — do — to road from Presidency to Trunk road No 1	3160.		3160.		G.O. No 322 Dy 27th Feby 1862 & No 1202 Dy 3d May 1864 & G.O. No 2790 Dy 1st Sept.r 1868. Length 14 3/4 Miles at 203 5/8 Rs per Mile exclusive of Establishment
— do — do — to road from Poiney to the Arcot Railway Station	2920.		2920.		G.O. No 1260 Dy 9th May 1865. Length 15 Miles at 194 5/8 Rs per Mile exclusive of Establishment
	13620.	114809.	13620.	110997.	

Madras Division

North Division

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Fourth Division

Part III

Detail of Estimate for Repairs for 1869-70.

	Estimate 1869-70. Amount	Estimate 1869-70. Total	Estimate 1868-69. Amount	Estimate 1868-69. Total	
Brought down	13,620.	114809	13,620.	110997	
North Arcot — Repairs to Vellore and Arnee road	4325.		4325.		G.O. No. 2284 Dy 6th November 1866. Length 23½ miles at 152½ Rs per mile exclusive of Establishment
——do—— Repairs to Trunk road No 10 from Ranipet to the Mysore frontier beyond Palmanair	12800.		12,800.		G.O. No. 1841 Dy 29th August 1863 Length 64 miles at 183 Rs per mile exclusive of Petty Establishment
——do—— Repairs to Trunk road No 11 from Chittur to Cuddapah	6410.		6410.		G.O. No. 1005 Dy 19th June 1856 and do — 2790 Dy 1st September 1868. Length 31½ miles at 200 Rs per mile exclusive of Establishment
——do—— Repairs to 2d Class Road No 7 from Porthalpet to Karcumbady	3850		3,850.		G.O. No. 2395 Dy 22d Dec. 1868 and G.O. No. 2790 Dy 1st Sept. 1868 — Length 38½ miles at 100 Rs per mile including Petty Establt.
Minor repairs to Roads &c	8387.		8387.		
Minor repairs to Travellers Bungalow	500		500.		
		49,892		49,892	
Total Communications		164,701.		160,889	

Mis: Public Impts

Presidency — Minor repairs	4,000.		500.	
Madras —— do	500.		250.	
North Arcot — do	500.		250.	
Total Mis. Pub. Impts —		5,000.		1,000.

Fourth Division

Part III

Detail of Estimate for Repairs for 1869-70.

	Estimate 1869-70.		Estimate 1868-69.	
	Amount	Total	Amount	Total
Abstract				
Military	9107		75727.	
Civil	31,800		43500.	
Agricultural	233500		1,67150.	
Communication	164701		1,62889	
Miscellaneous Pub. Impts.	5000.		1000.	
Total.		5,66208		4,48266.

List shewing the Maintenance grants to be charged to Local Funds excluded from the Imperial Budget List.

	Amount Sanctioned	Total.
Northern Canal from the Basin at Madras to Doorrogarao-patam Canal between the Cooum River and Basin Bridge	7,000	
Southern Canal from the Adyar to the Palar River	4,000	
Total		11,000.

Sup.ds Engr.s Office 4th Div.n
Madras.
2nd October 1868.

A Boileau Colonel R.E.
Sup.d Engineer, 4th Division.

Fourth Division

Part III

Details of Estimate for Repairs for 1869-70.

Estimate 1869-70.		Estimate 1868-69.	
Amount	Total	Amount	Total

Madras Presidency

4th Division

Part III

Detail of Estimate

for Repairs for 1869-70.

Memorandum to accompany the Budget List Part III prepared in accordance to G. O. No. 2919 dated 1st October 1865.

District	Description of work	Amount	Remarks.
	Communications.		
Madura	Road from the Madura boundary to Yerkenjary	166	G.O. No. 2179 dated 10th September 1859 G.O. No. 2790 dated 1st September 1868
"	Road from Yerkenjary to the Railway Station at Perambur	968	G.O. No. 2179 d/ 10th September 1859 " No. 1020 d/ 30th June 1865 " No. 2790 d/ 1st September 1868 Length 2 miles at 457 Rs per mile including Petty Establishment
"	Road from Elphinstone's bridge to its junction with the road to Saint Thomas' Mount near Mallays gate	1217	G.O. No. 2179 d/ 10th Septr 1859 " No. 2790 d/ 1st September 1868 Length 3 miles 211 yards at 373 Rupees per mile exclusive of Petty Establishment
"	Road from the Elphinstone's bridge to Elliot's Beach	343	G.O. No. 2179 d/ 10th September 1859 " No. 2790 d/ 1st September 1868 Length 1 mile and 783 yards at 227 Rs per mile exclusive of Petty Establishment.
"	Road from the Adirmalong bridge to the Guindy Park gate	210	G.O. No. 2179 d/ 10th Septr 1859 " No. 2790 d/ 1st Septr 1868 Length 900 yards at Rs 390 per mile inclusive of Petty Establishment.
	Carried Over Rs.	2896	

Madras

Brought Over	2,896	
Road from Sahibs Choultry to Vendaloor Choultry, being part of Southern Trunk Road	2,000	G.O. No. 2283 dated 12th Decr 1860 & No. 2790 dated 1st Sept. 1860 Length 1 mile 22 yds at 1300 Rs. per mile excluding of Toll establishment &c
Roads in Guindy Park	740	G.O. No. 2185 dated 1st Nov. 1861 & No. 2790 dated 1st Sept. 1860 Length 3 miles 200 yards at 227 Rs. per mile Toll Establishment.
Leavey road to Trunk Road No. 1	1650	G.O. No. 604 dated 12th Feby 1855 & No. 2790 dated 1st Sept. 1860 Length 32 miles at 51 Rs. 12 per mile exclusive of Toll Establishment.
Causeway across the Palar river near Chingleput on Trunk Road No. 81	1,000	G.O. No. 3197 dated 6th Feby 1859 & No. 2790 dated 1st Sept. 1860 Length 3/4 of a mile at 1250 Rs. per mile.
Total Rupees	8,366	

South Arcot

Mileage allowance to Tramway Company for the road from Arconum to Trunk Road No. 1	2,352	
Carried Over Rs.	2,352	

Brought Over Rs.	2,352	
Leavey roads	560	G.O. No. 604 dated 13th Feby 1855 & No. 2790 dated 1st Sept. 1860 Length 12 miles at 46 Rs. 12 per mile exclusive of establishment.
Trunk Road No. XIII from Nagapatam to Balapalley	1925	G.O. No. 1192 dated 30th Nov. 1863 & No. 2790 dated 1st Sept. 1860 Length 30 1/2 miles at 60 Rupees per mile exclusive of Toll Establishment.
Special repairs to roads	3580	
Total Rupees	8,387	

Thuillier Colonel R.E.
Supt. Engr. 4th Div.

Supt. Engrs. Office 4th Div.
Madras 3rd October 1868

C. No. 4891 of 1868

15th December 1868 No. 39137
Spec.

No. 109. Superintg Engrs Office 5th Div
Salem 19th October 1868

109

From

The Superintending Engineer
5th Division

To

The Secretary to Government
of T.N.

Sir,

Enclosures.
2 Budgets
1 Statement of Amounts

I have the honor to forward the Budget Estimates of Imperial Public Works in South Arcot and Coimbatore for 1869/70. The Estimate for the Salem Subdivision has been forwarded for the approval of the Collector, and will be sent to you as soon as received.

I have the honor to be,
Sir,
Your Most obedient Servant
ER Prideaux Lieut Col R.E.
Superintg Engineer 5th Div

No 119

Supp. Engrs Office, 5th Div.
Salem, 10th October 1869

From

The Superintg. Engineer
5th Div.

To

The Secretary to Government
B.P.W.

Sir,

Enclosure 1
Budget estimate.

I have the honor to forward the Imperial Budget Estimate of the Salem District for 1869-70.

I have the honor &c
Sir,
Your most obdt servant
Ed Smith Lt Col. RE
Supg. Engineer, 5th Div.

Remarks | Amount | Subject

Supg. Engrs Office, 5th Div. Salem, 10th October 1869. No 119. Imperial Budget Estimate of the Salem District for 1869-70.

Original Work
Repairs
Original Works
Minor Works
Establishment
Total

Original Work
Minor Works
Repairs
Original Works
Establishment
Total

Superintending Engineer's Office
Fifth Division
Salem, 10th October 1869

From

Lieut. Colonel E. Smith
Superintending Engineer
5th Division

To

The Secretary to Government
Public Works Department

Sir,

I have the honor to forward herewith the Budget Estimate of the Salem District for the year 1869-70.

I have the honor to be
Sir,
Your most obedient servant
Ed Smith Lt Col. RE
Superintending Engineer
5th Division

Nov 23rd 1869 - 1st Decr

No 85-B

Abstract of the Demands of the District of the 3rd Division in the Budget Estimate of 1867-70

Districts	Works	Military	Civil Buildings	Agricultural	Commercial	Miscellaneous Public Improvements	Total	Grand Total for each District
Salem and Portsmouth	Original Works	"	57,500	97,710	84,150		239,360	
	Minor Works	"	600	4,000	400		5,000	
	Repairs	"	4,395	10,000	20,821	140	35,356	
	Total	"	62,495	24,710	105,371	140	279,716	279,716
Bangor and Machias	Original Works	"	37,140	52,070	11,300		100,510	
	Minor Works	250	400	600	150		1,400	
	Repairs	650	3,420	4,000	4,460		12,530	
	Total	900	40,560	56,670	15,910		114,040	114,040
Portland and Burlington	Original Works	47,024	11,000				58,024	
	Minor Works	1,000	1,000				2,000	
	Repairs	2,226	1,500				3,726	
	Total	50,250	13,500				63,750	63,750

Supt. Engr. Office, 3rd Div.
Salem, 15th October 1868.

Chief Engineer, 3rd Division.

5th Division Office

Enclosure in letter No
dated 14th October 1869
from the Superintendent
to the Secretary Board

J. W. Hogg Capt
Sup. 5th Division Lahore

Abstract of the Demands
of the Districts of the 5th
Division in the Budget
Estimates of 1869-70.

5th Division

Bangalore.

Detail of Estimate for Civil Works for 1869-70.

Projects.

Executive Division

No.	Locality.	Description.	Amount of Complete Estimate for expenditure for Estimate for the year 1869-70 if Sanctioned.	Remarks or Reference.
1	Bangalore	One Stable & Shed for Royal Horse & Tribbers		
2	do	Stabling for 12 Horses for do		
3	do	Lavatory for a Horse for do		
4	Race Course Sergeants Mess Library Reception Room &c. for Cavalry			
5	do	School Room for Cavalry		
		Carried over		

Bangalore

D. L. H.

Abstract of Civil Works for 1869-70.

No.	Locality.	Description.	Amount of Complete Estimate for expenditure for Estimate for the year 1869-70 if Sanctioned.	Remarks or Reference.
	Bangalore	Stables		Appended Estimate will be submitted shortly. (Standard Plan)
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Projects.

Executive Division No.	Locality	Description	Amount of Estimate.	Completed expenditure to 30 June 1866	Estimate 1866-70.	Remarks & References.
		Barracks				
6	Race Course	One double Tier Court for Cavalry				
7	do	Two Block Section of Hospital for 80 Patients				
8	do	Hospital for do.				
9	do	Cook Room for do.				
10	do	Quarters for Medical Subordinates				
11	do	Guard Room for Artillery				
12	do	Stabling for 200 horses for do.				
		Carried over			270,900	

Rangaloe.

Projects.

Executive Division. No.	Locality	Description.	Amount of Estimate.	Completion & Estimate upon the 31st March 1866.	Remarks & Reference.
		Brought forward			
13	Race course	Quarters for Resident Medical Officer at Race course Hospital for Garrison.	2,000		
14	Rangaloe	Alterations and additions to Cook House Europeans & Sandy Point	1,000	Estimate not yet received.	
15	— do —	Slaughter house for the Garrison	1,500	Estimate will be submitted shortly.	
16	— do —	Dispensary with house for Native Doctor & Labourers of Hospital	3,000	The Necessary repairs have been already paid for the same on 11th August 1865 by C.E. No 207 of 6th August 1865. Estimate for 3873 Rupees. Item No 53 of Budget of 1865-66.	
17	— do —	Drainage of Race course Grounds	1,500	Estimate not yet received.	
18	— do —	New Magazine on the old Race course	2,000	Estimate will be submitted shortly.	
		Carried over	11,500		

Projects.

Executive District No.	Locality	Description	Amount of Estimate	Completed expenditure up to end of March 1870	Estimate 1870-71	Remarks or Reference.
		Kaighat				
19	Bungalow Hash Houses & Minor Works					
20	do Asphalting floors of Cutcherry rooms of all Jails and Separate Privies in all Districts					
21	do Quarters for one Subordinate and two Assistants dated 1st January 1869					
22	do Ditto for one ditto ditto					
23	do Ditto for one ditto ditto					
24	Mazarine Re-roofing Mazarine Jail					

Carried over

Projects.

County

Division & Locality.	Description.	Amount Expended Estimated for completion Estimate for ensuing year	Remarks or Reference.
28 Ulster	Ulster Docks Repair		Estimate for Repairs Docks &c Ulster for year ending 30th Sept 1860
" "	Piers & Jetties Docks and Landing Roads &c &c		

Total Estimate

Examined

Superintending Engineer's Office

Executive

Division. No. Locality. Projects. Description. Amount Contained in Estimates for 1870-71. Estimate for 1871-72. Remarks or Reference.

Civil Buildings.

1 Bangalore Construction of an Office for the Executive Engineer, Bangalore, — — —

Part III.

Detail of Estimate for 1869-70.

	Estimate 1869-70	Estimate 1868-69.	Remarks.
	Amount Total	Amount Total	
Military.			
Minor Repairs to Buildings and Main Sewer			
Repairs to Embankment Roads and Bridges Yen			
Total Military			
Civil Buildings.			
Minor Repairs to Civil Buildings			
Total Civil Buildings			

Superintending Engineers Office
Calcutta 1st October 1868

Revised Lieut Col. R. E
Superintending Engineer & Surveyor

5th Division, P.W.D.

Bangalore

From,

The Superintending Engineer,
5th Division,

To

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

Dated 15 October 1889.

Sir,

I have the honour to submit herewith the Budget Estimate of Public Works for 1890-91.

Executive
Division 12th Zoolah

Part

Detail Estimate for

Projects

Description

Civil Buildings

1 Cuddalore Jail Additions Cutchery with Subsidiary Jail ____

2 Vellore Deputy Inspector's Office Subsidiary Jail ____

3 Vellingherry Sew Subsidiary Jail ____

4 Chillambrum ____ Do ____

5 Gingee ____ Do ____

6 Chengama ____ Do ____

7 Elavanasore ____ Do ____

8 { Verdachellam, Bonamapherry, Banargidi, Chittagudi, Pettaveram } additions and alterations to subsidiary Jails ____

Carried over

Estimate

Original Estimate for 1869-70

Amended Estimate for 1869-70

Remarks & References

Jail Buildings

Old Sanctioned Under construction

Vellore New Jail Subsidiary Jail Committee

Cuddalore Old Sanctioned Called for in G.O

12th 1875 of 1874 under preparation.

4,000	Rs		Rs
5,000	Rs		Rs
4,000	Rs		Rs
4,000	Rs		Rs
4,000	Rs		Rs
5,000	Rs		Rs

4,5,000 Rs

Project

Section Division & No.	Locality	Description	Amount of Original Estimate	Amount of Supplemental Estimate rendered necessary by Subsequent Changes	Total Estimate to date	Remarks and References
		Civil Building Conducted by [illegible] brought over				
9	Kendrum and Finnaby	Additional water tank building				
10	Tikalore Tullaturaki					
11	Finnaby					
12		Minor works to be executed under the Engineer Officer				
		Tikalore Building				
13	Tullycarran Kalimoor	New channel from the Quay. Main channel to supply Tullycarran Kalimoor and other channels.				
14	Bannaghan	Road & across the Meandering Buddy river				
15	Kattanyloe	Road & across the Myora Inlet river				
		Carried over £				

Section Division & No.	Locality	Description	Amount of Original Estimate	Amount of Supplemental Estimate rendered necessary by Subsequent Changes	Total Estimate to date	Remarks and References
						57
						Abstract of Estimates submitted for the Year 1870 & 1869, and on the Estimates prepared
			£	£	£	
			£	£	£	
			£	£	£	
			55,100			
		Estimates under examination in the Engr. Engrs Office.				
			33,320	5000	15,700	Item No 11 of Budget of 1868-69.
		Estimates submitted with Letter No 83 of 12th August 1868.	15,800	10,000	25,000	Item No 163 of Budget of 1868-69.
		Estimate submitted with Letter No 89 of 22nd August 1868	10770		10770	
			50770			

Projects.

Executive Division No. | Locality | Description. | Original Estimate for 1869-70 | Remarks or References

Agricultural and Civil Buildings Rs.

16 Palandurai Anicut repairs to tank — 50770 — Not sanctioned. Estimate pending preparation.

17 Tekkalam Anicut new bank with sluice &c — 2700 — 2700 Not sanctioned.

18 Samudram Anicut supply channel &c — 6200 — 6200 Not sanctioned. Estimate received from the Range officer.

19 ——— Minor Works to be executed out of which &c estimated 2500 Rupees — 5000 } 5000 for Works below 500 Rs. 2500 } 2500 for do above 500 Rs and below 2500 Rs.

Total Agricultural &c — 111,710

Communications

20 ——— Road from Pandeterry to Mukkanum Salt pans — 40000 — 30,000 Sanctioned in G.O. No. 1230 of 1869

21 ——— Revetting the road from Cuddalore to Trunk Road. Beg end from Trunk Road to Trunk Road No 8. — Not sanctioned. Estimate will be submitted shortly. — 6000

Carried over Rs. — 36000

Projects.

Location Division No.	Locality.	Description. Communication to be established.	Number of Chainage	Estimated Cost.	Remarks. References.
22		Metalling and Draining Cutting at Chilcombe from Rly to mile one		£600	
23		Metalling the unmetalled roads of Frankford Bp		£300	Estimate submitted Nov 1867. Sanctioned in Gl Co's Ltr No 3795 of 1865 Amount to be provided in Budget of 1868-69.
24		Bridges on the Dorn Valley branch to the Lake portion		£250	Sanctioned in Gl Co's Ltr No 2207 of 1867 A bridge only now required. The first allowed for this bridge was carried away several years ago.
25		Brick Culvert over the stream at Corfe Mullen Dorn Valley branch		£100	Sanctioned in Gl Co's Ltr No 3686 of 1867
26		Bridge of 11 arches over the Stour at Canford Bridge on the left bank of the Stour at Wimborne		£250	Sanctioned in Gl Co's Ltr No 2306 of 1868
27		Widening the right bank of the Christchurch River on the line side of Brockenhurst Station. And Constructing a bridge over the Lymington Canal at the Lymington end of the Station		£800	
		Carried over &c.		£2,600	

Project.

Executive Division. Jno Locality

Description.

Communications and Surveys

Brought over Papers

Plans Books &c referred to and

of which do not exceed

Papers 2500 each

Total Communications

Estimate of the grounds proposed for to be disbursed by Public Funds Expenditure

Main Road

Civil Buildings

Physical Channel

Communications

Total Papers

Comparative Statement of Estimates & Expenditure for the Service of the Year 1870-71

Estimate	Expenditure	Remarks & References.
79,600		
1,000		Rupees 500 & upwards, below 500 Rupees 1000.
24,350		
Imperial	Local	Total
53,000		53,000
111,710		111,710
84,650		84,650
252,360		254,360.

Sd/ Jno Locality

Superintending Engineer

Statement shewing the Items required for Minor
& New works estimated to cost less than 500 each

Part III

Detail Estimate for Repairs for 1869-70.

Estimate 1869-70 Estimate 1868-69

Amount Estimate Amount Estimate

Barrackpore.

Repairs & Improvements to Quarters & Mess Office

Estimated for Repairs } Rs 2500 2500
Improvements } Rs 100 300

Barrackpore } Rs — Rs — 200 ✓
Kishnaghur } Rs — Rs — 200 ✓
Chittagong } Rs — Rs — 395 ✓
Fatehgurh } Rs — Rs — 395 ✓

Total Barrackpore 2395 2575

Upper Provinces.

Repairs & Improvements to Cantonments from Estimates 4360

Cantonments Agra Repairs & Improvements 2300

Cantonments Allahabad Repairs & Improvements 5700

Cantonments Benares Repairs & Improvements 1600

Cantonments Bareilly Repairs & Improvements 1600

Cantonments Cawnpore Repairs & Improvements 1600

Cantonments Dinapore Repairs & Improvements 1600

Cantonments Futtehgurh Repairs & Improvements 1600

Cantonments Jhansi Repairs & Improvements 1600

Cantonments Meerut Repairs & Improvements 1600

Cantonments Mirzapore Repairs & Improvements 1600

Cantonments Moradabad Repairs & Improvements 1600

Cantonments Muttra Repairs & Improvements 1600

Cantonments Saugor Repairs & Improvements 1600

Cantonments Sitapore Repairs & Improvements 1600

Cantonments Umballa Repairs & Improvements 1600

Cantonments Lucknow Repairs & Improvements 1600

Cantonments Dehra Dun Repairs & Improvements 1600

Cantonments Kussowlie Repairs & Improvements 1600

Cantonments Subathoo Repairs & Improvements 1600

Cantonments Kasauli Repairs & Improvements 1600

Cantonments Dugshai Repairs & Improvements 1600

Cantonments Jutogh Repairs & Improvements 1600

Cantonments Solon Repairs & Improvements 1600

Cantonments Kamptee Repairs & Improvements 1600

Cantonments Nagpore Repairs & Improvements 1600

Cantonments Jubbulpore Repairs & Improvements 1600

Cantonments Saugor Repairs & Improvements 1600

Cantonments Sitapore Repairs & Improvements 1600

Cantonments Umballa Repairs & Improvements 1600

Cantonments Lucknow Repairs & Improvements 1600

Cantonments Dehra Dun Repairs & Improvements 1600

Cantonments Kussowlie Repairs & Improvements 1600

Cantonments Subathoo Repairs & Improvements 1600

Cantonments Kasauli Repairs & Improvements 1600

Cantonments Dugshai Repairs & Improvements 1600

Cantonments Jutogh Repairs & Improvements 1600

Cantonments Solon Repairs & Improvements 1600

Cantonments Kamptee Repairs & Improvements 1600

Cantonments Nagpore Repairs & Improvements 1600

Cantonments Jubbulpore Repairs & Improvements 1600

Estimate 1868-69. Estimate 1868-69.

amount Total amount Total

Agricultural concluded

Brought over Rs 12,160

Clearing bed and strengthening banks of the Kolhan Subs channel from the head to the Cobra Low Level _____ 5,000

Minor Repairs to Irrigation channels and Tanks _____ 8240 8,250

Total Agricultural _____ 18,400 _____ 17,500

Communications

Trunk Road No VIII. 91 Miles @

200 Rs per mile 18200 ✓ 18,200

_____ Rs _____ to No IX 62 Miles @

500 Rs per mile 6200 ✓ 5950 ✓

Road from Cuddalore to the Salem frontier via Tindivanam 68 miles at 1524-100 Rupees per mile 7900 ✓ 7500 ✓

Do from Tindivanam to Cuddalore by the Ryotwar and Pondicherry 29 miles at 100 Rupees 200 per mile 5800 ✓ 5560 ✓

Do from Cuddalore to Trunk Road No IX and from Trunk Road No IX to Trunk Road No VIII 28 miles at 150 Rupees per mile. 4200 ✓ 4100 ✓

Carried over Rs 42,300 40570

Estimate 1868-69. Estimate 1868-69.

amount Total amount Total

Communications concluded

Brought over Rs 42,300 40570

Road from Tindivanam to Mow kanam 20 miles at 150 Rs per mile 3000 ✓ 2850 ✓

Do from Do to the Salem frontier by Thirumalay Miles at 100 Rupees per mile 7100 ✓ 6745 ✓

Do from Villupuram to the Salem frontier by Tirukoilur 37 miles at Rs 150 per mile 5550 ✓ 5278 ✓

Do from Cuddalore to Trunk Road No 2 129 Miles at 200 Rs per mile 3200 ✓ 3050 ✓

Do from Cuddalore to the Coleroon 28 miles at 150 Rs per mile. 4200 ✓ 4110 ✓

Minor repairs to Roads and Canals Rs 4767

Do to Frontier Bungalows 704 ✓ 5471 5,400

Total Communications _____ 70,821 _____ 68,004

	Estimate 1869-70.	Estimate 1868-69.
	amount Total amount Total	
Miscellaneous Public Improvement		
Minor Repairs to Flag Staffs	120	120
Total Miscellaneous Public Improvement	120	120

N.B. The Estimates received on this Office for repairs to Irrigation works have considerably exceeded the annual years allotment under Superintendent Repairs, and the Range Officers have estimates ready to be forwarded for large amounts which cannot be expended for want of funds. In the 4th Range alone the estimate kept aside amounts to 50,000 Rupees. The additional grant applied for the year 1869-70 can hardly be advantageously spent.

The cases under the head Communications the sum Col^by retransferred to the respective Municipalities grant from the head Establishment.

Sup^g. Engrs. Office 5th Div^n
Salem 1st October
1869.

Ed Ward Lt Colonel R.E.
Superintending Engineer 5th Div^n.

Appendix to Part III.

Statement showing the Maintenance Grants for Roads &c which are included in the allotment for "Minor Repairs" in part III of the Budget under "Communications"

Description of Works.	Grant for 1869-70.	Grant for 1868-69.	Remarks
Clearing road earth work &c. the Passage from Cuddalore Cross bar Road to the Town	1000	960	G.O. No 455 of 1868.
Repairs and renewable pitching and earth work to all roads Temporary and Gravelling	450	450	G.O. of the 23rd October 1864.
Channapatnam pier Water	500	475	G.O. No 1029 of 1865
Repairing the Wooden Watering Platforms Cuddalore to Tirukkanur	500	500	G.O. No 311 of 1865.
Repairs Tanks & Tals in the 4th Range	1925	1925	
Planting of Avenues	392	392	
Total Rupees	4767.	4702.	

Sup^g. Engrs. Office 5th Div^n
Salem 1st October
1869

Ed Ward Lt Colonel R.E.
Superintending Engineer 5th Div^n

From

The Superintendent of Public

To The Auditor

Sir

Pursuant to

Estimate of Receipts

of the Capitol Police

for the Official year

5th Division

Salem

Part

Detail of Estimate for

Original Works for 1869-70.

Dist. Off

District

II

Projects

Executive Division No.	Local Fund	Description	Amount of Estimate	Corrected upto 6th March 1869	Estimate 1869-70	Remarks or References
		Civil Buildings				
1	Salem	Tahsildar Cutcherry with Cubicles for Jail	24,000	5000	16,000	Not sanctioned. Called for in G.O. No. 2720 of 1867 and forwarded to the Collector for his approval. Budget Item No. 70 of 1868-69.
2	Namakal	Do.	15,000	10,000		Not sanctioned. Called for in G.O. No. 2720 of 1867 and forwarded to the Collector for his approval
3	Tanjore	Deputy Do.	8,500	4,500	4,000	Not sanctioned. Called for in Do. Estimate under examination. Item No. 127 of Budget of 1868-69
4	Salem	New Subsidiary Jail	6,440	4,440	2,000	Not sanctioned. Called for in Do. and forwarded to the Collector for approval. Item No. 106 of Budget of 1868-69
5	Dharapuram	Do.	3,500	2,500	1,000	Not sanctioned. Called for in Do. Estimate under examination. Item No. 107 of Budget of 1868-69
6	Coimbatore	Do.	6,100	3,100	3,000	Do. Do. Item No. 108 of Do. Do.
7	Tanjore	Improvements to the Subsidiary Jail	3,160	2,160	1,000	Do. Called for in Do. & sent up with Colr's. No. 110 dated 2nd Feby 68. Item No. 109 of Budget of 1868-69
8	Hosur & Dindigul	Do.	7,160	4,000	3,160	Do. Do. Estimate for the Hosur Jail sent up with Letter No. 110 dated 2nd Feby 68 and that for the other under examination. Item No. 112 of Budget of 1868-69
		Carried over			45,760	

Page 6

Executive Division &c.	No.	Locality.	Description.	Amount of Estimate	Completed expenditure to 31st March last	Estimate 1869-70	Remarks or references.
			Civil Buildings Carried forward			£576	
	9	Ootacamund	Improvements to the Collectory fuel	£330	230	200	Not sanctioned. Called for in G.O. dated 12th Sept 1867. Estimate sent with letter from 110 of 2nd Oct 1868. Item No 111 of Budget of 1868-69.
	10	Tricherigode & Sankerry Droog	Do	860	500	360	Not sanctioned. Estimate called for in G.O. dated 12th Sept 1867 under examination.
	11	Salem	New Post Office	710		710	Item No 110 of Budget of 1868-69. Sanctioned in G.O. dated 12th Sept 1867.
	12		Minor Works the estimated cost of which do not exceed Rs 2,000 each			2000	This sum includes the cost of a Post Office at Tripatur and a Range Office at Coimbatore
			Total Civil Buildings			3810	
			Agricultural				
	13		Anaikat across the Coorcum-bapully river, and a channel for the water supply of the Bardahalli Tank	5600	1000	3000	Not sanctioned. Will be submitted in a few days. Item No 166 of Budget of 1868-69.
			Carried over			3000	

Project

Executive Division	No	Locality	Description	Amount Estimated	Amount Expended up to 31st March 1869	Estimate 1869-70	Remarks or References
			Agricultural Conducted Brought forward			30000	
14		Valayapathy	Formation of two new tanks at Valayapathy				G.O. No. 289 of 1862. Mem. No. 182 of 13 Augt
15		Valayamadevi	Do of a tank near Valayamadevy	8350	6350	2000	If 1868-69
				8670	6670	2000	If Do No. 3587 of 1863 Mem. No. 183 of Budget of 1868-69.
16		Chinnakis-napuram	Do of a tank at Chinnakisnapuram	50[illegible]			Mem. G.O. No. 3015 of 1858
17		Thavaseoor	Restoring Thavaseoor tank			2000	Estimate under preparation.
18			Minor Works the Estimated cost of which do not exceed Rs 2500 each			Rs 5000 for works below 500 Rs	
			Total of first Class			10000 Do 5000 for Do above 500 Rs	
						87470	
			Communications				
19		Bagalore	Bridge across the Cauvery river on the Coimbatore Mayloor road	10900	5000	5900	G.O. No. 1326 of 1868
20			Bridge over the Chinnar on Do			6000	Not sanctioned — under preparation. The bridging of this road Work has been ordered to be met from Imperial Funds. Vide G.O. No. 1326 of 1868.
			Carried over			11900	

Project

Executive
Dist. No. Locality Description

Number of Estimate	Completed expenditure up to 31st March 1879	Estimate 1879-80	Remarks or Reference
			161
		1500	
		150	
		£2050	

21 ——— Minor Works to be estimated only for which do not exceed Rs. 2500 each

Total Communication

Amount of the grants for Works to be done by Public Works Department

Imperial	Local	Total
Communications		
Buildings	250	250
Civil Buildings	5300	5300
Irrigation Works	37070	37070
Communications	12050	12050
Total	127480	127480

Col Bond R.E.
Superintending Engineer, 5th Dist.

Part III

Detail Estimate for Repairs for 1869-70.

		Estimate 1869	Estimate 1869-70
		Amount Final	Amount Final
Madras			
Tuticorin	Minor repairs Buildings	650	650
Pulicat			
	Total Buildings	650	650
Civil Buildings			
Salem	Repairs to Civil Offices		
Coimbatore	Civil Prison Repairs	4,000	
	Minor repairs		
Ootacamund	Municipal Buildings	2000	600
Ootacamund			
Cuddapah			470
Bellary			
Kistnagherry			
Chingleput			
Nellore			930
Trichinopoly			
	Total Civil Buildings	7420	4470
Agricultural			
Minor repairs to channels & tanks		40000	
	Total Agricultural	40,000	35000

Petitioner's Memorandum for minor repairs Civil & Agricultural Buildings

Madras 500 Rupees

Tuticorin Minor Repairs Civil Buildings 150

Pulicat Minor Repairs Civil Buildings 100

Salem 250

Coimbatore Minor Repairs Civil Buildings 500

Ootacamund Municipal Buildings 600

Cuddapah Civil Buildings 470

Bellary Civil Buildings 470

Kistnagherry Civil Buildings 470

Chingleput Civil Buildings 930

Nellore Civil Buildings 930

Trichinopoly Civil Buildings 930

Total 6,000

Minor repairs to channels & tanks 40,000

Total Agricultural 40,000

Total Civil Buildings 7420

Total 47,420

Madras 650

Tuticorin Minor Repairs Civil Buildings 650

Pulicat Minor Repairs Civil Buildings 650

Salem 650

Coimbatore Minor Repairs Civil Buildings 650

Ootacamund Municipal Buildings 600

Cuddapah Civil Buildings 470

Bellary Civil Buildings 470

Kistnagherry Civil Buildings 470

Chingleput Civil Buildings 930

Nellore Civil Buildings 930

Trichinopoly Civil Buildings 930

Total 6,000

Minor repairs to channels & tanks 40,000

Total Agricultural 40,000

Total Civil Buildings 7420

Total 47,420

	Estimate 1874-75	Estimate 1875-76
	Amount	Total Amount Total
Communications		
Trunk Road No V, 120 miles at 100 Rs per mile	12000	12000
Do No I 68 miles at 150 Rs per mile	10200	9700
Road from Cossoor to Edamanoolla 54 miles at 100 Rs per mile	5400	5100
Salem and Tiruchingoly road 40 miles at 150 Rs per mile	6000	9495
Road between Salem and South Arcot frontier, 42 miles at 200 Rs per mile	8400	6594
Minor Repairs to Roads per Rupees 2400		
Do to Travellers Bungalows 200	2600	7241
Total Communications	44600	50230

N.B.

Buildings. No provision has been made for the Rest Houses at Sooramangalam and Shalagheri, as they have been given up.

Civil Buildings. The thorough repair of the Salem Court House is indispensable, and hence the increase applied for under this head.

Agricultural. There are still several Irrigation works the repairs of which should be attended to without delay, and the sum applied for can be therefore advantageously laid out.

Communications. The increase for Trunk Road No I 68 is owing to the re-fixing of the rates detailed hereafter on account of Ply establishments etc. Estimate for increased maintenance grant for the road from Cossoor to Edamanoolla is about to be submitted.

By the opening of the Erode extension of the Great Southern of India Railway the Salem and Tiruchingoly road has become of less importance, on the other hand the road from Salem to the South Arcot frontier is increasing. It is therefore proposed to reduce the grant for the former from Rupees 2506 Rupees 60 per mile, and to raise that of the other from Rupees 150 to Rupees 200. Estimate for the increased grant is under examination and will be submitted in a few days.

Roads transferred to the List of Local Boards have been omitted.

Edward E.C.C.R.E.
Supg. Engineer, 5th Dn.

Supg. Engr's Office, 5th Dn.
Salem 31st March 1875.

Appendix to Part III.

Memo shewing the particulars of Minor Repairs to Roads, below 2500 Rupees under Communications

District	Name of Road.	Estimate 1869-70.	Remarks
	Road from the head of the Salem ghaut to Taylors Saddle 4 miles at 100 Rs per m.	400	Salem ghaut to Taylors Saddle 4 miles at 100 Rs per m.
	Repairs to Petty roads in the Salem Range: Rs 1000		
	Do. Do. Omoor Do.	500	
	Do. Do. Hosur Do.	500	2000
	Total Rupees		2400

Edward Le Cor. R.E.
Superintg. Engineer, 5th Div.

List of Roads transferred from the Imperial to the Local Funds during 1868-69.

Taluk	Name of Road	Imperial Funds for 1868-69	Remarks
	Salem and Yercaud Cattle ghaut	1140	
	Road from Yercaud to Kagatoor	400	Memorandum No 32 of the 13th January 1868 from Government
	to from Taylors Saddle to the Shevaroy Hills Racing Station		
	Attur Ground to Kagatoor	1040	
	Road to Attur Ghaut	500	
	Road from Mallapady to Yercaud	4500	G.O. No 2343 of 22nd July 1868.
	to from Dharmapuri to Kaveripuram	1140	
	Total Rupees	9201	

Edward Le Cor. R.E.
Superintg. Engineer, 5th Div.

Superintg. Engineer, 5th Div.
Salem 31st March 1869

From
The Superintg. Engineer
5th Division

To
The Secretary to
Government Madras

Salem Dist.
Ref.

Salem District.

Imperial Estimate
Estimate of Public Works
for 1869-70.

1748

Salem

Imperial Estimate

Superintending Engineer

5th Division

Civil Buildings

Civil Buildings _____ 50146 . .
Agricultural _____ 84986 . .
Communication _____ 20062 . . 161193 . .

Works below 2500 Rupees each.

Civil Buildings _____ 2020 . . 2020 . .

Works Hydraulic below 2500 each.

Civil Buildings _____ 2000 . .
Agricultural _____ 500 . .
Communication _____ 9500 . . 11000 . .

Repairs

Civil Buildings _____ 9810 . .
Agricultural _____ 151000 . .
Communication _____ 55436 . .
Miscellaneous Public Improvements _____ 8436 . . 223681 . .

397894 . .

Metropolitan Section

Original Works

Military	42590 ..	
Civil Buildings	197740 ..	
Communications	205081 ..	445411 ..

Works below Rs 2500 each

Military	14845 ..	
Civil Buildings	5100 ..	
Agricultural	2000 ..	21945 ..

Minor New Works below Rs 500 each

Military	2500 ..	
Civil Buildings	500 ..	
Agricultural	5500 ..	
Communications	500 ..	9000 ..

Repairs

Military	6188 ..	
Civil Buildings	3600 ..	
Agricultural	105000 ..	
Communications	60083 ..	174871 ..
		651227 ..

2. In the Sanjore Budget the following Works appear to require notice.

3. Nos 3, 4, 5 and 6 under Agricultural in Part II provide for Regulating Works connected with the distribution of water to the Innaar and its branches, similar to those already sanctioned for the Cavery and its branches in G.O. No 775 of 14th March 1867; the Amounts entered under Estimate are approximate Amounts the Estimates being still under preparation by Captain Mead but they will shortly be submitted.

4

5. With regard to the provision for Roads & Bridges the Govt is informed that the Collectors are directed that Roads 1 and 2 and such Roads only should be regarded as Imperial Roads as were entered as Imperial Roads in the Statement Paper No 388 recommended by Government & the Executive Engr Road Cess on their Proceedings dated 6th Dec 67 Recommended by Government & the Executive Engr Roads should be regarded as Imperial Roads & those entered the allotments required for their maintenance on the Receipt & Expenditure should be struck out of the Local Budget. Note the exception as Road No 388 which was formerly provided with a special maintenance but others are Roads which were provided for from the Discretionary allowance and these Roads should not in my opinion be regarded as Imperial Roads will call attention to one of these Roads No 1236 from Negapatam to Tranquebar which is said to be 20 miles long, but is more long and for 12 miles are on the Inland settlement of Tarcaul and are not maintained by the Collector 54 are within the Municipal limits of Negapatam and are provided for

for from Local Funds under G.O. No 1641 dated 1st June 1867 leaving 1¾ miles to be regarded as Imperial and to be provided for from Imperial Funds.

6. In the Budget for Freshinfield Lugwa 12,000 is allotted for the Central Jail in 1869/70 in anticipation of an extra sum of Rupees 55,000 being allotted in 1869/70 for the completion of the work by the middle or end of November next. Estimate for the work will be submitted shortly. It has been delayed owing to the illness of the Draughtsman on the Spot.

7. Under Communications 4, 5 and 7 provision for metalling the Roads from Freshinfield to Nadiad, Dandigul & Cuttoor and Cuttoor Arcot Road should be made for them in 1869/70 as they are all important Roads.

8. Road No 3 has been included in the Imperial Budget and Road No 8 excluded from Imperial Revenue it is believed that Government will not sanction the Board's proposal to include so important a Road as that to Cuttoor among the Local Roads while 2 lines to Salem No 1 and 8 are regarded as Imperial, the latter being comparatively a very unimportant line and now terminating in a Jungle. If Government do not adopt the Board's Plan in opposition to that of the Local Officers the allotment provided in the Budget for No 3 will be more than sufficient for No 8.

9.

9. Provision is made in the Imperial Budget for the maintenance of the 9 Miles of Canada Road in the Chingleput District, the Road has hitherto been by an error regarded as a Local line; it connects & forms a link between Imperial Roads No 2 in Freshinfield and No 12 in Chingleput and should accordingly be regarded as Imperial. The length of 9 miles as Local Cost 121½ Miles of Imperial Road. Rupees 20,000 have been included in the Allotment for Special Repairs in 1869/70 in excess of the Sum for 1868/69, because the Bank of the Ongole Canal Cutting parallel with the Railway must be raised very considerably, in some places of Cycle which have been run along the bank it has been found that on the Western bank of the Budget the Bank is in some places less than ½ yard above the water mark of high floods and if only to ensure the safety of the Railway the bank must be raised and put on strongly in order and this is the more urgent as the average Cycle of 10 years has passed since the last high floods of 1858.

I have the honor to be
Sir
Your Most Obedient Servant

H. T. Dashe Captain R.E.
Superintending Engineer Circle

No 1641 dated 21st Dec 68 with Letter No 747

Forwarded 21 May 1869.

Copied & Sent to Treasy for Estimate

Sir,

I am directed by the Secretary of State for War to transmit herewith, for the information of the Lords Commissioners of the Treasury, a Return of Buildings for Troops, Quarters, Stables, &c. required to be provided in the Year ending 31st March 1868, and to request that you will be pleased to move their Lordships to cause the Sum of £ 39134 - 15 - 8 to be submitted to Parliament for the Service of the Year ending 31st March 1868.

I am, Sir,
Your most obedient
humble Servant
Clowes

The Secretary to the Board of Treasury
&c. &c. &c.

Dated 21st October 1867
Rec'd 22nd October 1867

No. 748

Estimates
No. 3913 & 3914 - 15 - 8 Dec. 68

Submitting Budget Estimate for 1869/70 with Memo. thereon entered.

A. 35-4

Copied & Sent to Treasy for Estimate

Sir,

I am directed by the Secretary of State for War to transmit herewith, for the information of the Lords Commissioners of the Treasury, a Return of Buildings for Troops, Quarters, Stables, &c. required to be provided in the Year ending 31st March 1868, and to request that you will be pleased to move their Lordships to cause the Sum of £ 39134 - 15 - 8 to be submitted to Parliament for the Service of the Year ending 31st March 1868.

I am, Sir,
Your most obedient
humble Servant
Clowes

The Secretary to the Board of Treasury
&c. &c. &c.

Dated 21st October 1867
Rec'd 22nd October 1867

No. 748

Estimates
No. 3913 & 3914 - 15 - 8 Dec. 68

Submitting Budget Estimate for 1869/70 with Memo. thereon entered.

A. 35-4

Detail of Minor Works for 1869/70

| | | |

Inventarium öfver Lösöre, som
tillhör Stiftets Lägenhet, belägen i
Qvarteret Skeppsbron
N:o 748 B efter 21:sta Gatan
i Staden.

Inventarium öfver Lösöre
tillhörande Stiftets
Lägenhet N:o 748 B
för 1869/70.

Do

Division

Jaujur

Part II

Detail Estimate for

Proposed

Executive

Division	No	Locality	Description						Remarks or reference (Whether particulars are to be submitted, whether Estimate has been prepared or sanctioned by the Board of Judicature, the Register No. should be quoted)
				Area and Length of Estimate	Quantities executed up to 31st Dec. 1869	Estimate for 1870			
			Civil Buildings						
No 1	Range 1	Jaujur	Construction of Court House at Jaujur	Court	18670	22424	26446		Sanctioned in G.O. No. 2707 dated 15th Dec. 1865, revised & G.O. No. 1051 of 2nd April 1868.
Do	Do 2	Do	Do as Jail at Jaujur		64000	"	30000		Sanctioned in G.O. No. 3622 dated 17th Dec. 1869
Do	Do 3	Do	Demolishing walls of Jaujur Fort	do	131000	"	"		Do in G.O. No. 559 dated 24th Feby 1870.
			Total Civil Buildings				56146		

Project

Executive

Division	No.	Locality	Description		Class of work	Estimated Cost	Expenditure up to 31st March 1869	Estimated Cost for 1869/70	Remarks or references (Whether particulars as to whether the Estimate has been professed or sanctioned should be entered here. If sanctioned by the Hon'ble Board of Revenue No. should be quoted)
				Agricultural					
	No. 2 Range 1	Coulacoumy	Completing a portion of ramparting round the upper end of Coulacoumy Tank	Tho Eyeur	53650	51447	2203		Sanctioned in G.O. No. 3285 dt. 27th July 1866 & 1488 dt. 18th March 1867. Item No. 169 in Part II of Budget Estimate for 1868-69 vide also G. O. No. 1833 dt. 21st May 1868.
	No. 4 2 & 3	Taujore, Coulacoumy, Ingavanam & Thalaivasal	Regulating works for the supply of Tanks	Tho Eyeur	110090	87208	22882		Sanctioned in G.O. No. 775 dt. 14th March 1867, No. 2270 dt. 24th January 1868. Item No. 171 in Part II of Budget Estimate for 1868-69.
	No. 4 Range 3	Ramachandrapuram & Devatoraipoondi	Regulating works at Tadangavur, Vettangavur, Athivetavanamangalam	Tho Eyeur & Vettuan	26000	"	15000		Estimate will be shortly submitted.
	No. 1 Range 4	Taujore	Alterations to the Vennaar & Upper & Grand Anicuts	Dawn	35000	"	10000		Do.
	No. 5 Range 5	Manargudi	Regulating works at Pamanyaar & Corayaar	Tho Eyeur & Vettuan	45000	"	15000		Do.
	No. 1 Range 6	Taujore	Regulating works at the Head	Vettuan	15000	"	15000		Do.
			Total Agricultural				84985		

Project

Executive

Division	No.	Locality	Description	Amount of Estimate	Consolidated Estimate up to 31st March 1869	Estimate for 1869/70	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 quoted)
			Communications				
No. 4	Range 1		Negapatam and Tranquebar Road	70410			Sanctioned in G.O. No. 3101 of 19th October 1865, & 2736 of 29th August 1866 vide also G.O. No. 3890 of 16th December 1869. Item No. 416 in Part II Budget of 1868/69.
			Supplemental do. do.	37782			
				108192	92930	15262	* Supplemental Estimate forwarded with Letter No. 750 of 21st August.
No. 1	Div. 2		Jaffna — Jaffna Pier & Road from Jaffna to Trincomalee	4800	"	4800	Estimate will be shortly submitted.
No. 5	Div. 3		Trincomalee — Constructing a Road from Fort Fredrick to the Sea Coast & Road to Trincomalee	10500	"	"	Sanctioned in G.O. No. 2148 dated 23rd November 1857.
No. 1	Div. 4		Jaffna — Constructing a Road from the Boothalore Railway Station northwards to Tenevelly	83700	"	"	Estimate forwarded to Government on the 9th October 1864. Vide G.O. No. 1316 dated 26th April 1866.
No. 4	Div. 5		Negapatam — Constructing a Road from Karaikal to join the Negapatam & Paralleu Road to the east of Palagaum	96000	"	"	Vide G.O. No. 2496 dated 8th August 1866.
No. 1	Div. 6		Jaffna — Constructing a Road from Valliamungalem Railway Station southwards to Road No. 7 which connects Trincomalee with Jaffna	21600	"	"	Estimate approved in G.O. No. 3116 of 31st October

Project

Executive Division No. 4 Locality

Description

	Brought forward	20062
No. 1 Range 7 — Jaujur —	Constructing a Road from the Cabasfatty Cantonment Station & Guard House on the North bank of Canary	17800 " "
	Total Communications	20062

Abstract of the Sums to be disbursed by the P. W. Department.

Paid for all Original Works

Main Heads	Special	Local	Total
Civil Buildings	56146	"	56146
Agricultural	84985	"	84985
Communications	20062	"	20062
Total as per page 248	161193	"	161193

Asstt Engr Office 6th Div
Jaujur 21st October 1868

Observations or references

(Her particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt of India the Registn No. should be quoted)

Estimate approved in G. G No. 3116 of 31st October 1864 — Both necessary sanctions by Engr in Chief to the Canal Engineer for Cantonments dated 6th January 1867 No. 1171 printed in G. G No. 1294 of 18th May 1867.

J. T. Bates Capn RE
Asstt Engineer 6th Div

9

List of Minor Works below Rupees 2500 each recommended
for execution in 1869/70.

Description of Work	Amount of Estimate	Remarks
Civil Buildings		
Constructing a Mounsiff's Court House at Nyaneram — 2020 —	Sanctioned in G.O. 2394 of 2nd October 1868.	

Supdt. Engr's Office 6th Div
Tanjore 28th October 1868

J. F. Dickens Capt. R.E.
Supdt. Engineer 6th Div.

Enclosure in a letter from
the Supt. Engineer to Sir D.
to the Secretary to Govt.
D. P. W. No. 7488 dated 21st
October 1868.

P.W.D. 8917/68

G.O. 15 Dec. 1868 No. 2251

Jaigur District.

Part II Budget.

Detailed Estimate for
Original Works for 1869/70.

Estimate for Service for 1869/70

	Estimate 1869/70	Estimate 1868/69
	Amount Total	Amount Total

Civil Buildings

Jaujir

Jaujir Station	Minor Services to Revenue Engr Buildings		2500	"	"	2500	"
Cavalry Station	Do	Do	2000	"	"	2000	"
Infantry and Artillery Station	Do	Do	1310	"	"	1310	"
Regimental and Territorial Station	Do	Do	1900	"	"	1900	"
Ammunition and Pilgrim Station	Do	Do	1200	"	"	1200	"
Municipal Station	Do	Do	900	"	"	900	"
	Do to Police Station		200	"	"	200	"
	Total Civil Buildings					9810	"

		Estimate 1869/70			Estimate 1868/69		
		Amount	Total		Amount	Total	
	Agricultural						
	Jaujus						
Codamarky River	Repairs to the Codamarky River bank	2000					
	Defensive works including Kanul plant	1500					
	Repairs to Sluices, Obliquelake &c	350					
	Maintenance of plantations, Kanul & bank watchers	150	4000	"		4000	
Venuaeu River	Repairs to the Venuaeu River bank	2500					
	Defensive works including Kanul plant	2000					
	Repairs to Sluices, Obliquelake &c	500					
	Maintenance of plantations, Kanul & bank watchers	360					
	Repairs to Cunicault	640	7000	"		7000	
Cauvery River	Repairs to the Cauvery River bank	1500					
	Defensive works including Kanul plant	2500					
	Repairs to Sluices, Obliquelake &c	750					
	Maintenance of plantations, Kanul & bank watchers	500	5250	"		5250	
Vellaur River	Repairs to the Vellaur River bank	3600					
	Defensive works including Kanul plant	4100					
	Clearance of leeds	2000					
	Carried over	9700	16250	"		16250	

		Estimate 1869/70		Estimate 1868/69	
		Amount	Total	Amount	Total
	Rough stones for Lower Anicut	7500	20000		12500
Thanjavur River	Repairs to the Thanjavur River bunds	1500			
	Defensive works including hand planting	500			
	Clearance of beds	450			
	Repairs to Sluices, Calingulahs &c.	600			
	Maintenance of plantations, hand & bund watchers	50	3000		3000
Vracelam River	Repairs to the Vracelam River bunds	2000			
	Defensive works including hand planting	1500			
	Repairs to Sluices, Calingulahs &c.	500			
	Maintenance of plantations, hand and bund watchers	250	4250		4250
	Carried over		54500		47000

		Estimate 1869/70		Estimate 1868/69	
		Amount	Total	Amount	Total
	Brought forward		54500		47000
Jeroomabrajanam River	Repairs to the Jeroomabrajanam River				
	River bank	1000			
	Defensive works including Ramal Plant	500			
	Repairs to Sluices, Aliyalabo &c	500			
	Maintenance of plantations, Ramal & bank watchers	200	2200	"	2200
Inoodicondanam River	Repairs to the Inoodicondanam River bank	1000			
	Defensive works including Ramal Plant	500			
	Repairs to Sluices, Aliyalabo &c	500			
	Maintenance of plantations, Ramal & bank watchers	200	2200	"	2200
Palar on River	Repairs to the Palar on River bank	1500			
	Defensive works including Ramal Plant	250			
	Repairs to Sluices, Aliyalabo &c	300			
	Maintenance of plantations, Ramal & bank watchers	250	2300	"	2300
Ayan & Noallian Rivers	Clearance of beds	5000			
	Repairs to Masonry works	1500	6500	"	6500
	Carried over		67700	"	60200

		Estimate 1869/70 Amount	Estimate 1868/69 Total	Amount	Total
	Brought forward		67700 "		60200
Pandaryaun River	Repairs to the Pandaryaun River bunds	1500			
	Defensive works including Jungle plant	500			
	Repairs to Sluices, Calingulahs &c.	50			
	Maintenance of plantations, Jungle and bunds to Watchers	200	2250	"	2250
Pattaun River	Repairs to the Pattaun River bunds	1500			
	Defensive works including Jungle plant	1000			
	Repairs to Sluices, Calingulahs &c.	500			
	Maintenance of plantations, Jungle and bunds to Watchers	150	3150	"	3150
Valapaun River	Repairs to the Valapaun River bunds	1250			
	Defensive works including Jungle plant	500			
	Repairs to Sluices, Calingulahs &c.	250			
	Maintenance of plantations, Jungle and bunds to Watchers	200	2200	"	2200
	Minor Repairs to Tanks, Channels, &c.		74700	"	52200
	Total Establishment		150,000	"	120,000

Communication

		Co Share a/c 1869/70 Cancelled	Co Share a/c 1868/69 Total	Cancelled	Total	
Tangier						
Road No 1 from Tangier to Tegatario	Repairs &c. to metalling 52 miles at £150 per mile	7800	"	"	7800	C.A. No 727 dated 9th May 1856, & No 2070 dated 23rd July 1863.
Do from Tangier to Tschinopoly	Do — Do — 20 miles at £120 per mile	2400	"	"	2400	
		10200	"	"	10200	
Do No 2 from Grand Canal to Ceberoud at Shealli	Do — Do — 75½ miles at £120 per mile	9060	"	"	9060	Do — Do —
Do from Shealli to Aemekarenchatmee	Do — Do — 7 miles at £120 per mile	840	"	"	840	
		9900	"	"	9900	
Portion of Road No 3 from Alcaramfalaw to Guadacollah	Do — Do — 32 miles at £80 per mile	2560	"	"	3360	C.A. No 2020 dated 23rd July 1862, mile 2000 of the Road dated 6th October 1868.
Do No 8 from Tetuan to Tangier	Do — Do — 40 miles at £80 per mile	3200	"	"	3200	Do — Do —
Carried over		25860	"	"	26660	

	Estimate 1869/70 Amount	Estimate 1868/69 Total	Amount	Total
Brought forward	28860	"	"	26660
Minor Repairs to Roads as per the annexed Statement	2025	"	"	2025
Repairs to Unmetalled Roads (Diminution on Allowances)	8483	"	"	"
Do. do. to Bridges	1400	"	"	1400
Do. do. Navigable Canals	11863	"	"	11863
Do. do. Travellers Bungalows	800	"	"	800
Special Repairs to Roads	5000	"	"	5000
Total Communication	55436	"	43338	

1970 2800 2600

		1869/70		1870/71	
		Cumulat.	Total	Cumulat.	Total
	Miscellaneous Public Improvements				
Taujier	Minor Repairs to Porto de Mavhaze	8435	"	8435	"
	Total Miscellaneous Public Improvements	" 8435	"	" 8435	"

Appd. Cyprio Pinto 6th Div.
Taujier 21st October 1868

J. F. Bates Captain R.E.
Supt. Engineer 6th Div.

Treasury Minute dated 9th March 1866 granting to the Metropolitan Board of Works the Parl. III Deposit.

Description of Works	Date of Treasury Sanction	Amount granted	Remarks
Annual Deposit to Trustees Acts No. IX from 1st January 1866 to Subscriptions	£1,400 per 18 Vict. 1st Session cap. 20 and 18 & 19 Vict. cap. 120 and 29 & 30 Vict. cap. 118	£2026	

Supplemental Minute dated 28th March 1866

Supplemental Minute dated 4th April 1866

Enclosure No 2 to Letter from
the Asst Engineer 6th Dist
to the Secretary 6 Circuit
D.P.W. No 7488 dated 7th
October 1868.

Tongue District
Part III Prospect

Detail Estimate for
Repairs for 1869/70

Trichinopoly

Trichinopoly Station — Minor Repairs to Buildings

Cantonment Roads

Total Building

Civil Buildings

Trichinopoly

Trichinopoly Station — Minor Repairs to Quarters & Buildings

Mooseri & Rowdeo Love Stations — Do — Do

Woodiarpoleam Station — Do — Do

Coolitalley Station — Do — Do

Repairs to Police Stations

Total Civil Buildings

Trichinopoly

Dichoil

Budget

for Repairs for 1869/70

Estimate 1869/70 Amount	Total	Estimate 1868/69 Amount	Total
5000 " "		4812 " "	
1188 " "		1188 " "	
	6188 "		6000
1500 " "		1500	
800 " "		800	
600 " "		600	
500 " "		500	
200 " "		200	
	3600 "		3600

Estimate of

Irrigation Works

Cost of Canals

		Estimated Cost for 1869/70		Estimated Cost for 1868/69	
		Amount	Total	Amount	Total
Cossimcottah Canal					
Cossimcottah Canal	Repairs to the Cossimcottah Canal	19000			
	Contra				
	Defensive works including Annual Establishment	8400			
	Repairs to Sluices, Telegraphs &c.	1000			
	Maintenance of Plantations, Annuals				
	Contra	600	29000	"	14000
Canneroy River	Repairs to the Canneroy River Contra	1500			
	Defensive works including Annual Establishment	6500			
	Repairs to Sluices, Telegraphs &c.	750			
	Maintenance of Plantations, Annuals				
	Contra	250	9000	"	4
Collerroon River	Repairs to the Collerroon River Contra	13000			
	Defensive works including Annual Establishment	5500			
	Repairs to Sluices, Telegraphs &c.	500			
	Maintenance of Plantations, Annuals				
	Contra	700	19700	"	14700
	Carried Over		57700	"	57700

Estimate 1869/70 — Estimate 1869/70

		Amount	Total Amount	Total
	Brought forward		£7700	£7700
Lyaun River	Repairs to the Lyaun River Embkmt	2000		
	Defensive works including Faunch, Flank	250		
	Repairs to Sluices, Caliguel &c &c	750	3000	3000
Coppaun River	Repairs to the Coppaun River Embkmt	500		
	Defensive works including Faunch Flank	500		
	Repairs to Sluices, Caliguel &c &c	2000	3000	3000
Wyacoud au Channel	Repairs to the Wyacoud au Channel Embkmt	2500		
	Repairs to Sluices, Caliguel &c &c	2000		
	Clearance of beds	3000	7500	7500
Parrounlay Channel	Repairs to the Parrounlay Channel Embkmts	1000		
	Do to Sluices, Caliguel &c &c	1000		
	Clearance of beds	1000	3000	3000
Poodoodyeu North & South Channels	Repairs to the Poodoodyeu North & South Channels Embkmts	1000		
	Repairs to Sluices, Caliguel &c &c	1000		
	Clearance of beds	1000	3000	3000
	Carried over		£7200	£5200

			Amount Total	Amount Total	
6 Brought forward			77200	" 57200	
Pommany Channel — Repairs to the Pommany channel &c					
Banks		2660			
Repairs to Sluices, Obliquebaks &c		700			
Clearance of beds		600			
Maintenance of Plantations &c		250	3950	" 3950	
Minor Repairs to Banks, Channels &c			23850	" 23850	
Total Agricultural			105000	" 85000	

				6 Line ale 1869		6 Line ale 1869	
				Line ouch	Sols 6	Line ouch	Sols 6
	Communication						
Trichinopoly							
From 6 Road No 8 from Vellaun Chinen to Trichinopoly	Repairs &c. to Indabling - 46 miles 10 miles at 80 Rs & 36 miles at 200 Rs per mile			14000	"	"	14000
2 Road No 2 from Trichinopoly to Salem via Mooseai	Do Do	Do Do	40 miles at 250 Rs per mile	10000	"	"	10000
Do Do from Trichinopoly to Combaconum via Grand Anicut	Do	Do	9 miles at 120 Rs per mile	1080	"	"	1080
				11080	"	"	11080
6 Road No 3 from Trichinopoly to Carour	Do	Do	40 miles 16 miles at 285 Rs & 24 at 160 Rs per mile	8400	"	"	8400
Do No 4 from Trichinopoly to Dindigul	Do	Do	17 miles at 100 Rs per mile	1700	"	"	1700
Do Do from the Cauvery River to the boundary of the Madura District	Do	Do	26 miles at 100 Rs per mile	2600	"	"	2600
				4300	"	"	4300
Carried over				37780	"	"	37780

6 Line ale 1869
Line ouch Sols 6
£1.0.8 No 2259 d 4th December 1859
D° 2257 d 11th December 1861
D° 322 d 29th February 1856, & 2805 d 21st November 1862
D° 322 d 29th February 1856, & 1867 d 8th October 1861, & made also No 1346 d 13th June 1862
D° 1836 d 4th June 1861
D° 26 d 6th January 1864

		1869/70 Cwt.	1868/69 Total Cwt.	
Brought forward		37780 "	37780	
Road No. 5 from Lichinopoly to Madura	Repairs to Metalling 14 miles at 200 Cft. per mile	2800 "	2800	V. O. No. 2074 of 24th Dec. 1861
Do. Do. lying in the Poodoocottah Rajahs country	Do. — Do. — 10 miles at 250 Cft. per mile	2250 "	2250	Do. 327 of 7th October 1863
Do. Do. between Coiladi & the Southern limits of the Lichinopoly District	Do. — Do. — 16 miles at 250 Cft. per mile	4000 "	4000	Do. 947 & 1st May 1867 & 327 of 27th Oct. 1863
		10050 "	10050	
Road No. 6 between Lichinopoly & Callagoody	Do. — Do. — 18 miles at 120 Cft. per mile	2160 "	2160	Do. 35 of 6th January 1869.
Do. Do. from Callagoody to its junction with Trunk Road No. 9	Do. — Do. — 41½ miles at 120 Cft. per mile	4980 "	"	Claim abandoned under Letter No. 747 dated 21st Last mth. & P.A. 4132
		7140 "	2160	
Minor Repairs of Roads as per Abstract Est.		2275 "	2275	
Repairs to Bridges		1235 "	1235	
Do. to Travellers Bungalows		603 "	603	
Special Repairs to Roads		1000 "	"	
Total Communications		60083 "	54103	

Supg. Engr's Office 6th Div.
Trichr 21st October 1868

Asst. Engr.

Supg. Engr.

Capt. R.E.
Supg. Engineer 6th Div.

Memorandum of Goods, the Property of Messrs Gaubert & Co

not Exceeding 6 Cases 2500 each — To accompany the Part III Despatch.

Description of Goods	Date of Invoice	Cwt. or Gallons	Remarks
Annual Despatch to Bad Wt from Feabruary 1st Jaujar to Lourzoode	to 6.6 Dr. 2952		
	9th Dec. 1862	2275	

Supf. Cigrs Office 6th

Jaujar 24th October 1863

1st Batch 6 Cases R.6.

Supf. Engineer 6th

Enclosure in a letter from
the Supt. Superior, to the Sec.
the Secretary of Interior
D. P. O. No. 7489 dated 21st
October 1862.

Indian Office
Rec'd Oct 30 1862

Statistics of Dakota
Territory for 1862/70.

Statistics of Dakota
Territory for 1862/70.

Part III of Report

Detail of Statistics for
Dakota for 1862/70.

Ex

Inchinnofoly

Part II

Detail of Estimate

Page 1.

Executive Division	No.	Locality	Description			Estimated Cost of Estimate	Estimate for 1869 consigned to 31st Dec 1869	Estimate for 1869/70	Remarks or references (Where particulars as to whether the Estimate has been prepared or sanctioned should be entered here – If sanctioned by the Govt of India the Letter No. should be quoted.)
			Inchinnofoly						
W. A.	Page 1	Inchinnofoly	Masonry Drains for Lines of the 9th Regiment N. I.						
— D° —	2	— D° —	Masonry Drains for Lines of 23rd Regt N. I.	Rs	3700	"	3700		In the List of Works submitted for the approval of the Commander-in-chief for entry in the Budget of 1869/70 by the Major General Commanding the Div. Estimates not yet prepared.
— D° —	3	— D° —	Dry earth System of Conservancy	"	3690	"	3690		Estimate submitted to Govt 5th July 1864 with letter No. 589 - ordered to be excluded from Budget in G.O. No. 3640 of 15th November 1866 pending the result of an experiment. The work has now been included under G. O. No. 1884 of 15th June 1868 –
— D° —	4	— D° —	Accommodation for Workshops of the 6 Battery of Artillery	Rs	3000	"	3000		In the List of Works submitted for the approval of the Commander-in-chief for entry in the Budget of 1869/70 by the Major General Commanding the Div. Estimates not yet prepared.
						Carried over		13590	

Div

District

Budget

for Original Works for 1869/70 –

Executive Division	No.	Locality	Description	Amount Asked for	Amount Sanctioned provisionally	Amount Allowed for 1869/70	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 quoted.)
			Brought forward			13590	
No. 1 Ouppe	5	Inchkeithy	Stables for the Horses of the Battery of Artillery	17500 "	12500		Sanctioned this date and noted in G.G. No. 3988 dated 14th February 1866, vide also para 21 of G.G. No. 3950 of 20th December 1867.
— Do.	6	— Do.	To the Hospital with suitable Out Offices for the Garrison of Inchkeithy	6000 "	6000		In the Estimates submitted for the approval of the Commander-in-Chief for entry in the Budget of 1869/70 by the Major General Commanding the Division also not yet prepared.
— Do.	7	— Do.	Swimming Bath for families of the Battery of Artillery	1500 "	1500		
— Do.	8	— Do.	Gymnasium for the Battery of Artillery	3000 "	3000		
			Total Artillery			42590	

Project

Because Division	No.	Locality	Description	Cost of work as estimated by Civil Officers	Cost of work as proposed by Civil Officers after local inspection in 1868-9	Estimate for 1869-70	Remarks or references (The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Govt. & date & the Register No. should be duly quoted.)
			Civil & Buildings				
No. 1	Page 1	Trichinopoly	Constructing a new Central Jail at Trichinopoly	100000	224575	120000	New No. 114 in Part II Budget of 1868/69.
No. 3	D° — 2	Woodenspoliem	Constructing a Katcheny at Coonoor for the Deputy Collector of Trichinopoly	2940	"	2940	Estimate sanctioned in G.O. No. 2197 dated 9th July 1868.
No. 1	D° — 3	Trichinopoly	Constructing a Taluq Cutcheny & subsidiary Jail at Trichinopoly	21000	"	21000	Estimate of Rupees 10650 in as sanctioned in G.O. No. 3814 of 1863 – A revised Estimate, as directed in para 27 of G.O. No. 3950 of 20th Dec. 1867, will be shortly submitted.
No. 4	D° — 4	Kulittalay	Additions & Improvements to the Taluq Cutcheny at Kulittalay	3800	"	3800	Estimate submitted to Govt. with letter No. 1503 of 17th January 1868 vide G.O. No. 1103 dated 8th April 1868.
No. 1	D° — 5	Trichinopoly	Constructing a central Quartier Regiment at Trichinopoly	150,000	2139	50,000	Estimate called for in G.O. No. 1879 of 21st November 1867 – vide also G.O. No. 328 dated 30th January & No. 2311 dated 20th July 1868.
			Total Civil & Buildings			197740	

Executive

Division | Nº | Locality | Description

Page 1.

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 quoted.)

Carried over

Nº 1 & 2 Pages 1 | Trichinopoly, Inspection and Parambadoe | Road from Trichinopoly to Salem via Turaiyur — Supplemental to Do. | 50,000 | 11470 | 61470 | 53900 | 7570 | Sanctioned in G.O. Nº 1405 dated 12th August 1856, & Nº 1149 dated 17th April 1868. — Item Nº 310 in Part II Budget of 1868/69.

Nº 4 Page 7 | Kulitalay | Formation of Road — Supplemental to Do. | Road 10800 | 7850 | 21650 | 19759 | 1891 | Sanctioned in G.O. Nº 1935 of 14th August 1862, & Nº 1202 of 21st April 1868. — Item Nº 312 in Part II Budget of 1868/69.

Nº 2 Page 3 | Musiri | From Kattuputtur to Irugur over the Iyaur on the Trichinopoly and Salem Road | 74300 | 74300 | Vide G.O. Nº 1678 dated 27th May 1868. Estimate will be shortly submitted.

Carried over | 83761

Project

Executive

Division	No.	Locality	Description	Estimated cost of the work	Cost incurred up to the end of 1869	Expenditure proposed for 1870	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 quoted.)
			Brought forward			83761	
No. 1 & 4 Pages 4	4	Lichin of plr & Kalitalay	Permetalling 42 miles of the road thereon Including Cleared from Lichinofolz & In addition from the 32nd to the 44th mile stone	53150	"	36000	An Estimate of Rupees 7960 sanctioned in G.O. No. 3127 of 27th October 1865 - A revised Estimate as directed in G.O. No. 1857 dated 12th June 1868 is forwarded with letter No. 747 of the 21st Instant.
No. 1 & 4 Do.	5	Lichin of plr & Kalitalay	Do. 32 miles of the Road from Lichin of plr & Dungal from 12th to 35th mile stone	33440	"	24000	An Estimate of Rupees 9500 sanctioned in G.O. No. 3823 dated 24th December 1869. A revised Estimate is forwarded with letter No. 747 dated 21st Instant.
No. 1 & 4	6	Lichin of plr & Kalitalay	Metalling 6 miles of the Road from Lichin of plr to Cherabee & Woodi ar folem from the 24th to 29th mile stone	3620	"	3620	Estimate is forwarded with Letter No. 747 dated 21st Instant.
No. 1 & 4 Do.	7	Lichin of plr & Kalitalay	Permetalling 40 miles of the Road from Lichin of plr to Cavor from the 1st to 40th mile stone	41450		30,000	An Estimate of Rupees 28000 sanctioned in G.O. No. 2550 dated 1st September 65. A revised Estimate is forwarded with letter No. 747 of the 21st Instant.
			Carried over			177381	

Proposed

Executive Division No. Locality Description

(Amount of Estimate) (Estimate submitted for sanction) (Sanction of Govt. of India No. & Date) (Estimate prepared for) Remarks or reference

(The particulars are 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.)

No. 1 Range — 8 Trichinopoly Construction of Bridges over the Vaundhagaven Aleon, on the Road from Trichinopoly to Karaikal — 25000 " 12500 — 17381

Sanctioned in G.O. No. 5248 dated 22nd February 1864.

No. 1 — Do. — 9 — Do. — Construction of Bridges over the Coudaveroo & Agneyaru on the Road from Trichinopoly to Karaikal — 5200 " 5200

Sanctioned in G.O. No. 3485 dated 18th November 1864.

No. 4 — Do. — 10 Kulitalay Construction of Bridges over the Agneyaru Colleroon, on the Road from Trichinopoly to Chillumbrum — 21000 " 10,000

Estimate submitted by the Deputy Chief Engineer by the late District Engineer with letter No. 1427 dated 11th November 1862.

No. 2 — Do. — 11 — Mooseri — Construction of Road from Caulkooputhoor to Valaya — path — 1200 " —

The preparation of the Estimate for this Road has been deferred under G.O. No. 2496 dated 8th August 1866, but the work is shewn here in order that it may not be lost sight of.

Carried over, 206081

Executive Division

No.	Locality	Description	Remarks or reference to particulars as to whether the Statute has been complied or sanctioned should be entered here. If sanctioned by the Govt. of India the Register No. should be quoted.)
		Brought forward	705081
No. 2 Range 17	Mysore	Metalling and gravelling 28 miles of the Old Road from Seringapatam to Nanjangud	15500 " " Sanctioned in G.O. No. 1092 dated 10th April 1861.
		Total Communication	705081

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

Main Heads	Imperial Local	Total
Military	42590 "	42590
Civil Buildings	197740 "	197740
(3) Agricultural	" "	"
Communications	205081 "	205081
Total as per pages 4, 6 & 14	445411 "	445411

Public Works Office Tangier 2nd October 1868

J. Bates Capt. R.E. Superintending Officer, Works Department

List of Minor Works below Rupees 2500 each recommended for execution in 1869/70

Description of Works	Amount of Estimate	Remarks
Military		
Fencing off the ground in front of the Royal Artillery Family Quarters & inclosing it with a Wall for a garden	1100 "	Estimate sanctioned in G.O. No. 1952 dated 6th July 1867.
Providing Furniture to the Family Quarters of the Royal Artillery at Tetuan &c.	795 "	Estimate sanctioned in G.O. No. 1755 of 12th June 1867.
Re-Shelling Alley adopted for the Generals residence & Repairs of the same & Quarters for Detachment of Europeans at Tangier & Tetuan &c.	2000 "	Estimate approved by the Commander-in-Chief, & will be shortly submitted to Govt.
Providing 2 new Latrines in Barracks for 60 Men at Tetuan &c.	2200 "	Estimate forwarded to the Dept. Asst. Qr. Mr. Genl. 10th Oct. 1868 No. 835 – Ordered to be excluded from Budget in G.O. No. 3640 of 15th Dec. 1868 pending the result of an experiment the works has now been included under G.O. No. 1884 of 15th June 68.
Flooring in 2 Latrines of the Regt. Detachment N. S. & adding Dry earth Store & Cart Shed	1800 "	Works submitted for the approval of the Commander-in-Chief for entry in Budget of 1869/70 by the Major General Commanding the Dn.
Flooring in 2 Latrines of the Native followers of the Battery of Artillery, & adding Dry earth Store & Cart Shed	1800 "	
Flooring in 2 Latrines of Native followers of Detachment of British Infantry & adding Dry earth Store & Cart Shed	1000 "	
Carried over	10695 "	

Description of Works	Estimate	Remarks
Brought forward	10695 00	
Providing a Solitary Cell in the Lines of the 9th Regiment N. 2	500 00	
Providing 2 Do. in Do. of the 26th Regiment N. 2	1000 00	As per Estimate taken for the approval of the Commander in Chief for outlay of Rupees 18,970 by the Surgeon General Commanding the Army Do.
Expensive Magazine with Lightning Conductor	650 00	
Quarters for the Garrison Hospital Serjeants in the European Garrison Hospital	2000 00	
Total Military	14845 00	

Civil Buildings

Constructing a 2nd class Sub Magistrates Office & Police Station at Trichoor	2500 00	Estimate forwarded with letter No. 2218 dated 28th July 1865.
Do. Do. at Cajaudna Palaiw	2500 00	
Carried over	4600 00	

Description of Works	Estimate	Remarks
Brought forward	4600 00	Govt. No. 2318 dated 21st July 1865.
Providing a Solitary Cell in the Yard of the Sub Jail at [illegible]	500 00	
Total Civil Buildings	5100 00	

Ecclesiastical

Erecting a Temporary Church in the Fort at Cannanore & Repairs to the Church at Tellicherry	2000 00	Vide Supt. Engr's letter No. 712 dated 7th October 1868.
Total Ecclesiastical	2000 00	

Supt. Engr's Office 2nd Dn. Calicut 7th October 1868.

Capt. R.E.
Supt. Engineer 6th Dn.

Enclosure in a letter from the Asst. Engineer in charge to the Secretary G. Govt. No. 748 dated 21st October 1870.

Part II Report

Details of Estimate for Original Works for 1871-72.

Part III

Abstract of Estimate for Repairs

		1869-70. Amount		1868-69. Amount	
Executive.	Ist Military.				
	Minor repairs to Buildings	400	"	389	11
	Total Military	"	400	"	389
Civil Buildings.	IInd Civil Buildings.				
	Minor Repairs to Govt. Buildings	600	"	600	"
Collegiate Range	do do	700	"	700	"
Minor Range	do do	900	"	900	"
Executive Dept.	do Public Offices	300	"	300	"
	Total Civil Buildings	"	3270	"	3270
Roads.	IIIrd Communications				
	Minor repairs to Executive Communications	3,000	"	3,000	"
Collegiate Range	do do	2,200	"	2,200	"
Minor Range	do do	3,000	"	3,000	"
do do	do Communications to Cantonments Chennai	4,857			As Estimate
Collegiate Range	do Thudalapatty do 20 Miles	4,200			4,857
	do Kottakkal do 30 do	3,300			3,300
	Total Communications	"	22,557	"	15,057

IV. Communications.

Amount Rs. | Amount Total

Coimbatore District.

Road from Coimbatore by Palladay and Ondamuthella to the Madura frontier & Amboratty river 48 Miles at 100 Rs. per mile — Rs. 4,800 — Rs. 4,800

Road from Nyanna frontier by the Karamplam Ghaut to Attyamangalam 22 Miles at 100 Rs. per mile — Rs. 2,200 — Rs. 2,200

Road from Attyamangalam by Pykarah Attypallam to the Ootacamund Railway Station 47 Miles at 100 Rs. per Mile — Rs. 4,700 — Rs. 4,700

Road from Ondamuthella by Thampanoor and Thinna Thampanoor to Cannanore 5 Miles at 100 Rs. per mile — Rs. 500 — Rs. 500

Road from Coimbatore Railway Station to the Canal and the Noyen frontier by the Bungalow Ghaut 9 Miles at 100 Rs. per mile — Rs. 900 — Rs. 900

Portion of Road from Ootacamund by the Convent Ghaut to the Railway Station at Coimbatore 24/60 Miles at 100 Rs. per mile — Rs. 2,400 — Rs. 2,400

Road from the Coimbatore Station to the foot of Convent Ghaut 3 Miles at 100 Rs. per mile — Rs. 300 — Rs. 300

Repairs to Encamping Grounds & Wells viz. New Encamping Ground at Kottaleman Kanaya with Encamping Cottage and Wells — Rs. 500

Ray Railway feeder 1 Mile at 100 Rs. — Rs. 100 — Rs. 100

Road from Coimbatore by Pollachum to Anaikatti 42 Miles at 100 Rs. per mile — Rs. 4,200 — Rs. 4,200

Discretionary Allowance — Rs. 200 — Rs. 200

Minor Repairs to Travellers' Bungalows — Rs. 300 — Rs. 300

Total Communications — Rs. 29,000 — Rs. 29,000

Abstract of the Grants & Allowances for all Repairs to be distributed by the Superintending Engineer

Main Heads	Ordinary	Special	Total
I. Military	400.	"	400.
II. Civil Buildings	3200.	"	3200.
III. Agricultural	62,050.	"	62,050.
IV. Communications	29,000.	3,840.	32,840.
V. Miscellaneous Public Improvements	"	"	"
Total	125,750.	3,840.	128,890.

Supt. Engr's Office 1st Dec. 1873 — Executive Engineer, Coimbatore.

Coimbatore 21st October 1873 — Superintending Engineer 1st D.

Copy

Transmitted Atlantic & Pacific Telegraph Co's Line
Received in Office 4 P.M. October 26th 1866.

Dated Washington D.C. October 26th 1866.

To
Hon. Wm. H. Seward
Secretary of State
Washington D.C.

Sir,

I have the honor to report the following Telegram received from Genl. Thomas.

Headquarters Military Division of the Atlantic
Fort Leavenworth Kansas
October 26th 1866.

Brevet Major General L. Thomas
Adjutant General U.S.A.
Washington D.C.

General,

I have the honor to report the following Telegram received from Genl. Sheridan.

Headquarters Military Division of the Gulf
New Orleans La. October 24th 1866.

Brevet Major General L. Thomas
Adjutant General U.S.A.
Washington D.C.

General,

I have the honor to report that Governor Wells of Louisiana has issued a proclamation declaring the State in a condition of insurrection, and has called out the militia to suppress it. I have issued an order declaring martial law to exist in the State, and directing the Governor to disband the militia he has called out. I have also directed the Governor to call an election for Governor, Lieutenant Governor, Members of Congress, and State officers, to be held on the first Monday in December next, and that the Legislature elected shall meet on the first Monday in January 1867. I have also directed the Governor to call an election for Governor, Lieutenant Governor, Members of Congress, and State officers, to be held on the first Monday in December next, and that the Legislature elected shall meet on the first Monday in January 1867.

I have the honor to be, General, very respectfully your obedient servant,

P. H. Sheridan
Major General Commanding

Respectfully submitted,
Wm. H. Seward
Secretary of State

Transmitted by
Chief Clerk
Department of State
Washington D.C.
October 26th 1866.

Hon. Secretary of State
Washington D.C.

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I have the honor to report that Governor Wells of Louisiana has issued a proclamation declaring the State in a condition of insurrection, and has called out the militia to suppress it. I have issued an order declaring martial law to exist in the State, and directing the Governor to disband the militia he has called out. I have also directed the Governor to call an election for Governor, Lieutenant Governor, Members of Congress, and State officers, to be held on the first Monday in December next, and that the Legislature elected shall meet on the first Monday in January 1867.

Brought over	5,280	4,840	1,760	11,880	"	11,880	
Road from Goondalpatty by Dharapooram and Oddiam Dharapooram to Carroor 60 Miles at 110 Rs per Mile	1,430	"	5,170	6,600	"	6,000	G.O. No 3319 of 14th November 1863 & No 2490 of 18th September 1868
Do from Erode Railway Station to Sathiapal and the Mysore frontier by the Bungalow 6 Miles 4 Furlongs at 110 Rs per Mile	"	9,240	770	10,010	"	10,010	ditto
Portion of Road from Coimbatore by the Oppanum Bridge to the Railway Station at Coimbatore 34 Miles at 110 Rs per Mile	3,740	"	"	3,740	3,740	₹480	ditto
Road from Erode Railway Station to the foot of the Ghauts 42 Miles at 110 Rs per Mile	4,620	"	5,940	10,560	"	10,560	ditto
Do to Ghaut Road, Station Mettupalayam to the Railway Station Coimbatore	2,100	"	1,190	3,290	"	₹350	G.O. No 2390 of 18th September 1868 & No 3005 of 19th October 1864
Road from Coimbatore by Pollachi to Pongalium 42 Miles at 110 Rs per Mile	3,850	"	770	4,620	"	4,620	G.O. No 3005 of 19th October 1864 and No 2490 of 18th September 1868
Discretionary Allowance	"	"	"	2,500	"	2,500	G.O. No 3269 of 16th November 1864
Repairs to Travellers Bungalows	"	"	"	350	"	350	
Total Communications	24,970	14,080	17,600	59,300	3740	63,240	

Surveyor Genl Office 4th Division
Coimbatore 2nd October 1869

Superintending Engineer 4th Div.

Estimate
Hooghly Irrigation
for 1870.

Estimate of Expenditure
for
Roads & Bridges 1870
Viz.

Memorandum showing
details of all maintenance
Charges of Roads entered
in Part III of Budget
of 1869-70.—

Vide Budget Book 1870

Abstract of Estimate

Project

Original Works for 1869-70.

Executive Division	No.	Locality	Description	Amount of Estimate for work March 1869	Estimated Expenditure for 1869-70	Remarks or References.
1	2	3	4	5	6	7
			1. Military			
Belgaum Irrigation	1	Colaccamund	Lawrence Reservoir Embankment	1,05,000 / 20,000 / 62,62	6,82,000	25,000
	2	Belgaum	Military Prison	2,61,000	"	2,600
	3	Colaccamund	Quarters for a Subaltern & Sergeant	3,500	"	3,500
	4	Colaccamund	Quarters for 1 Subaltery	8,500	"	8,500
	5	Belgaum	Ditto	8,500	"	8,500
	6	Belgaum	Ditto	8,500	"	8,500
	7	Belgaum	Ditto	8,500	"	8,500

1	2	3	4	5	6	7	8
			Brought over	99794	68000	323700	
			Building (Continued)				
Kilsheremykeagh	Hillsborough		Repairing Asphalt Floor and Slating Quarters and Cook House at the Block of Stillington Barracks and wooden floors	2770	"	2700	Tob and estimate sent to the Dy Quarter Mr General Southern Division with letter No 1420 of 4th September 1866
Do	Do		Do Do Stack house at Stillington Hospital	4540	"	1500	Plan and Estimate sent to the Dy Qr Mr General Southern Division with letter No 1420 of 4th September 1866
			Total Building	132109	68000	455000	
			II Civil Building				
Kilsheremykeagh	Colaccammond		Jordan's Cottage	3780	"	3500	Estimate sanctioned in GO No 1706 of 15 June 1866
			Total Civil Building	3780	"	3500	
			III Commissariat				
Kilsheremykeagh	Kilsheremykeagh		New Cookhouse Shed	8440	6500	2000	Estimate sanctioned in GO No 2234 of 20th January 1866 Item No 1931 of Budget of 1865-69
Do	Do		New Corner Shed	24000	24000	24000	Estimate sanctioned by Genl Jordan's Letter 1876 of 1866-67 & G.O. No 101 of 18th January 1867 Item No 1810 of Budget of 1868-69 Pia authority to be obtained
Do	Do		Road to connect Telegraph and Slating Con with the New Corner Shed	38427	31027	2000	Estimate sanctioned in GO No 2330 of 11th October 1866 Item No 320 of the Budget of 1868-69
Do	Do		Road from Colaccammond to the rear of Cookhouse Shed	6762	3762	2000	Estimate sanctioned in GO No 2261 of 12th October 1866 Item No 231 of Budget of 1868-69
			Carried over	421589	273289	66000	

1	2	3	4	5	6	7	8
			Brought over				
			II. Communications				
Belgharia Ring	Belgharia Tolly		Road from Cotacamund to the Horns	21,589	372,589	66,000	
Do	Do		Road to connect the Government Gardens at the Pykara falls with that other, and the high road from Ootacamund to Ghaut to Coimbatore, including bridge over the Pykara River	35,000	3,500	16,500	Estimate sanctioned in G.O. No 1845 of 23rd May 68 and ordered to be entered in the Budget of 1869-70.
Do	Do		Road between Kotagiry and Mudumalai and Quin Hills Plantations	24,670	2,000	12,000	Estimate sanctioned in G.O. No 1706 of 29th May 1868. and ordered to be entered in the Budget of 1869-70
				17,260	1,500	12,000	Estimate sanctioned in G.O. No 1706 of 29th May 1868. and the work was ordered to be entered in the Budget of 1869-70.
				98,519	379,589	106,500	
			V. Miscellaneous Public Improvements				
Belgharia Road	Ootacamund		Project for supplying Ootacamund with water	2000	8,000	14,000	Estimate sanctioned in G.O. No 1505 of 12th August 68.
Do	Do		Reclamation of the swamp at the bottom of the Ootacamund Lake	23,000	13,500	20,000	Estimate sanctioned in G.O. No 1505 of 12th August 68
Do	Do		Construction for land traffic of the Reclamation and Hill Supply	20,000	"	20,000	G.O. No 3244 of 16th October 1868.
			Carried over	58,000	21,000	34,000	

1 2 3 4

Brought over

V. Miscellaneous Public improvements fund

Neighbourhood of Colaba and Contributions towards the Municipal Works of the Town of Colaba

Total Miscellaneous Public Improvements

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

No.	Name of Roads	Imperial Road	Local	Total
I.	Military	45,900	2,100	48,000
II.	Civil Buildings	2,100	2,000	4,100
III.	Agricultural	"	"	"
IV.	Communications	10,000	6,400	16,400
V.	Miscellaneous Public improvements	2,000	3,400	5,400
	Total	57,000	13,900	70,900

Superintending Engineer's Office
Colaba 1st October 1868

Comp.

5 6 7 8

1869

1868

16,100	11,100	5,000	Estimate sanctioned in G.O. No 234 of 22nd January 1866. Item No 174 of the Budget of 1868-69.
24,700	17,700	7,000	Estimate sanctioned in G.O. No 3668 of 11th December 1863. Item No 175 of the Budget of 1868-69.
50,000	-	150,000	Rough Estimate & Surveys under revision.
10,655	5,000	5,600	Estimate sanctioned in G.O. No 3424 of 3rd November 1867.
50,168	-	26,500	Estimate sent with letter No 127 of 16th October 1868 to Chief Engineer of Irrigation.
31,623	33,800	14,100	
72,100	53,100	17,000	Estimate sanctioned in G.O. No 162 of 12th January 1866. Item No 322 of Budget of 1868-69.
40,000	-	25,000	Estimate sanctioned in G.O. No 3405 of 25th November 1864.
14,435	-	14,400	Estimate approved in G.O. No 3585 of 5th December 1863. Immediately required.
6,400	-	6,400	Rough Estimate sent to Government with letter No 130 of 16th October 1868.
132,935	53,100	62,800	

Abstract

Abstracts of the Grants proposed for all original Works to be disbursed by Public Works Department.

Main Heads.	Imperial Local Fund
I. Military	
II. Civil Buildings	93,200
III. Agricultural	194,100
IV. Communications	62,800
V. Miscellaneous Public Improvements	
Total	350100

Statement of the sums required for Minor New Works Estimated to Cost less than 500 Rupees each.

Division	For minor New Works under Military	For minor New Works under Civil Buildings	For minor New Works under Agricultural	For minor New Works under Communications	For minor New Works under Miscellaneous Public Improvements	Total for minor New Works Estimated Cost Rs 500 each
Coimbatore	500	1000	2,500	2,500	500	7,000

Supdg Engr & Officer &c &c
Coimbatore 21st October 1868

Supdg Engr &c &c

From
The Asst Engineer
in Charge
To
The Secretary to Govt
P.W. Works
Madras

Date 21st Oct 68
Rec'd 25th Oct 68

Enclosure 2

Part II

Detail of Estimate for
Original Works for
1869-70.

Nos 3913 to 3914 - 15 Nos Plts

No. 355

Part

Detail of Estimate for

Project

Executive Division	No.	Locality	Description	Amount by Calculation	Corrected Estimate Aug. 3rd 1869	Estimate for 1869-70	Remarks or References
1.	2.	3.	4.	5.	6.	7.	8.
			I. Subsidiary Store.				
			II. Civil Buildings.				
Carver Range	1	Erode	Taluq Cutchery				
do	2	Dharapooram	do				
Combaton Range	1	Tolladay	do				
do	2	Coolumdpolle	do				
Carver Range	1	Kongheem	Sub Magistrate's Cutchery, Post Office and Subsidiary Jail at Kongheem				
Coimbatore Range	1	Coimbatore	Improving the Sherestah Cutchery at Coimbatore				
do	2	do	Converting the new Record room of the Sherestah Cutchery into a Printing Office				
do	3	do	Subsidiary Jail in the Coimbatore District				
			Police Stations for				
			Total Civil Buildings				

1.

Original Works for 1869-70.

Amount by Calculation.	Corrected Estimate Aug. 3rd 1869.	Estimate for 1869-70.	Remarks or References.
5.	6.	7.	8.
25,560	518	20,000	Estimate sent to Government with letter dated 6th October 1868.
25,410	2,680	20,000	
25,000		15000	Required for Collection of revenue in Sessions & Civil Courts
25,000		15000	
8,200	"	8,200	Can now estimate sent with letter No 1503 dated 13th Aug 1868
6,000	"	6,000	Estimates will be sent by Monthly
4,000	"	4,000	
30,000	10,000	20,000	Estimate in hand
"	"	5,000	
48,800	13,198	93,200	

Ex 265

191

Estimate sent to Government with letter dated 6th October 1868.

Required for Collection of revenue in Sessions & Civil Courts

Can now estimate sent with letter No 1503 dated 13th Aug 1868

Estimates will be sent by Monthly

Estimate in hand

1	2	3	4	5	6	
			III Agricultural			
Collegal Range	Pollyanmungalum Taluq		Aqueduct over the Thangummy Stream	55,000	31000	24,000
Do	Do	Do	Ditto	Do for Sluice	Do	
Do	Bhowany	Do	Spring pet Channel			
Caroor Range	Caroor Taluq		Constructing Groynes in the River Cavery between Mullimpatti and Caroor	40000	—	24000
Do	Parindoray Taluq		Weirs in the Calingarayen Channel	75,000	21000	54,000
			Total Agricultural			
			IV. Communications			
Collegal Range	Bhowany Taluq		Bungloes Guard & Rest Houses			
Coimbatore Range	Coimbatore and Pollachy Taluqs		Improvements on the Road from Coimbatore Railway Station to the Madura Frontier at Amaravathy River			
Collegal Range	Pollyanmungalum Taluq		Rebuilding two Bridges & improving the road above the Bhavanee Channel			
Do			Diverting the post between Pollyanmungalum & Erode to Coimbatore and dredging the Channel of that River			
			Total Communications			

Statement of the sums required for Minor Works estimated to cost Rs 50,000 and upwards

Name of Work	Estimated Cost	Sum required for the year 1870-71	Sum required for the year 1871-72	Sum required for the year 1872-73	Sum required for the year 1873-74	Sum required for the year 1874-75	Total Estimated Cost of Work
Electric Telegraph	1500	500	—	400	600	6000	

Superintending Engineer

Detail of Estimate for Repairs

1864-70 : 1868-69

Original Estimate Amount Estimate

I. Military

Malabar District

Cannanore — Main Repairs to Buildings 2000 — 2000 ✓

Contingencies Repairs — 1000 — 1000 ✓

Calicut — Main repairs to Buildings 600 — 600 ✓

Total Military — 1600 — 1600 ✓

II Civil Buildings

Cannanore — Main repairs to Buildings — 400 — 400 ✓

Calicut — Do — 200 — 200 ✓

Palghaut — Do — 100 — 100 ✓

Repairs to Police Station — 100 — 100 ✓

1869-70 1868 69

Amount Total Amount Total

III Agricultural

Malabar Establishment allowances for
the Ernaad Tank Dam 400
Do Beadel Dam 200 1350
Minor repairs to Tanks &c 750

Total Agricultural 1,650 1350

IV Communications

Trunk road No IV from Cannanore to
the Coorg frontier 54 miles at 110 Rs per mile 3740 3740
Do No V from Mallial by Palghaut to
Ponany 71 miles at 110 Rs per mile 7810 7810
Portion of road from Cannanore to the
Mysore frontier by the Periah Pass to
Manantoddy 32 miles at 110 Rs per mile 3520 3520
Do Do from Manantoddy to Calicut by
the Kumbercherry Ghaut 25 miles at 110
Rs per mile 2750
2 miles on the above at 220 Rs per
mile vide GO No 2036 of 26th
June 1868 440 3190 3190
Portion of road from the Mysore frontier
at Nyacadoo by Nadkar 29 miles at
110 Rs per mile 3190 3190
Road from Calicut to Palghaut Cyc Rd
Expenses on Kanara road Number
80 Miles at 110 Rs per mile 8800 8800

1869-70 1868 69

Amount Total Amount Total

Do Bridges 20,250 20,250

IV Communications Continued

Malabar
Road from the Coimbatore frontier 6920
to Palghaut 17720
Canal from Cadamparah 5940
66 Miles at 100 Rs per mile 6600
Minor repairs to Roads &c 3300 1320
Do to Travellers Bungalows 800 800

Total Communication 54,260 49774

Miscellaneous Public Improvements

Malabar Minor repairs 600 600 600 600
Total

Abstract of

Ceylon Civil Service

Abstract of the Grants proposed for the repairs to be executed during the year 1866 by the Public Works Department.

Main Heads	Imperial Grant	Local Grant	Total
I. Military	16,000		16,000
II. Civil Buildings	4,900		4,900
III. Agricultural	1600		1600
IV. Communications	34,250	10,000	44,250
V. Miscellaneous Public Improvements	600		600
Total	57,400	10,000	67,400

Superintendent's Engineer's Office, &c.
Colombo 22nd October 1866

Edward Colvile
Superintending Engineer

No 2.

Ceylon

Civil Estimate for Repairs

1869-70 1870-71

Grand Total Estimate Total

I. Military.

Kallingtan.

Minor repairs & Buildings	6712	6712	✓
Water communication in Q. Barracks			
2 Pr. Brass Guns	216	✓	
Bazar Malvenna Do	72	✓	288 ✓
Total Military		7000	7000

II Civil Buildings.

Kachcheries

Minor repairs to Rooms &c.			
Building	1000	✓	1000 ✓
Do to Police Station	200	✓	200 ✓
Total Civil Buildings		1200	1200

III Communications.

Roads

Road from Ottapoo round by the Lagoon Chunt to the Sea coast Province Mullaitivu

	2560		2560 ✓
Grand Total	9760		2560

196

	1869/70. Amount	Total	1865/69. Amount	Total
Communications (continued)				
Brought forward		2860		2860
Road from Coimbatore to the Sirumalai Ghaut to Gooladoor 9 miles at 110 Rupees per mile	990 ₹		990 ₹	
Portion of Road from Coimbatore to the Sirumalai Ghaut to the Railway Station at Coimbatore 4½ miles at 110 Rs per mile	260 ₹		260 ₹	
Annual Repairs to Roads below 2500 Rupees		1600		1600
Annual Repairs to Roads above 2500 Rupees				2500
Annual Repairs to Travellers Bungalows	350		350	
Total Communications		19970		18470
Miscellaneous Public Improvements				
Annual Repairs to Water channels from Sirur Down Hills to the Bazar as Estimated G.O. No 1760 of 17th September 1865	250		250	
Ground Rent	250		250	

	1869/70. Amount	Total	1865/69. Amount	Total
Miscellaneous Public Improvements (continued)				
Brought forward	250		250	
Annual Repairs to Water channels from Sirur Down Hills to the Bazar as Estimated G.O. No 1760 of 17th September 1865	150		150	
Special Improvements as per Estimate	300		300	
Total Miscellaneous Public Improvements		700		700

Superintending Engineer's Office
Coimbatore 22nd October 1869

Executive Engineer P.W.D.
Superintending Engineer's Office

Abstract of the Grants proposed for all repairs to the roads used by the Public Works Department

Head of Service	Imperial	Local	Total.
I. Civil Buildings	1000		1000
II. Civil Buildings	1200		1200
III. Irrigation			
IV. Communications	19970	16530	36500
V. Miscellaneous Public Improvements	700		700
	22870	16530	39400

Compd

Executive Engineer
Superintending Engineer's Office

For
The Asst. Engineer
in Charge

For
The Secretary to Govt.
L.P.W. Colony

Dated the 22nd day of August 1922

Part III

Detailed Estimate
for Rupees

Ex. No. Dated 22nd Aug 1922

Brought forward	9020	9020	16830	25850	
Minor Repairs below 2500 Rupees each					
Coimbatore and Salem Roads 16 miles @ 110 Rs per mile	1760	1760		1760	G.O. No. 3219 of 14th November 1863 and
					G.O. No. 2490 of 1st September 1868
Wellington Roads 12 miles @ 110 Rs per mile	1320	1320		1320	do.
Coonoor Roads 8 miles @ 110 Rs do	880	880		880	do.
Road from Coonoor to Kotagherry 12 miles @ do	1320	1320		1320	do.
Do. from Kotagherry by Ballikah to Coimbatore 12 miles @ 110 Rupees per mile	1320	1320		1320	G.O. No. 3008 of 19th October 1864 and G.O. No. 1252 of 9th May 1865 & G.O. No. 2490 of 1st September 1868
Maintenance of Hill Roads	1500	1500		1500	Vide letter No. 77 of 30th June 1868 to Government Cho 25 21
Discretionary Allowance	2500	2500		2500	Half the allowance for the old Coimbatore District
Repairs to Travellers Bungalows	350	350		350	
Total Communications	19970	19970	16830	36800	

Superintending Engineer Offce
for Do.
Coimbatore 22d October 1868

Executive Engineer Coimbatore Dist.
Superintending Engineer

L.P.O

Wynaad Division

Malabar District

Part III

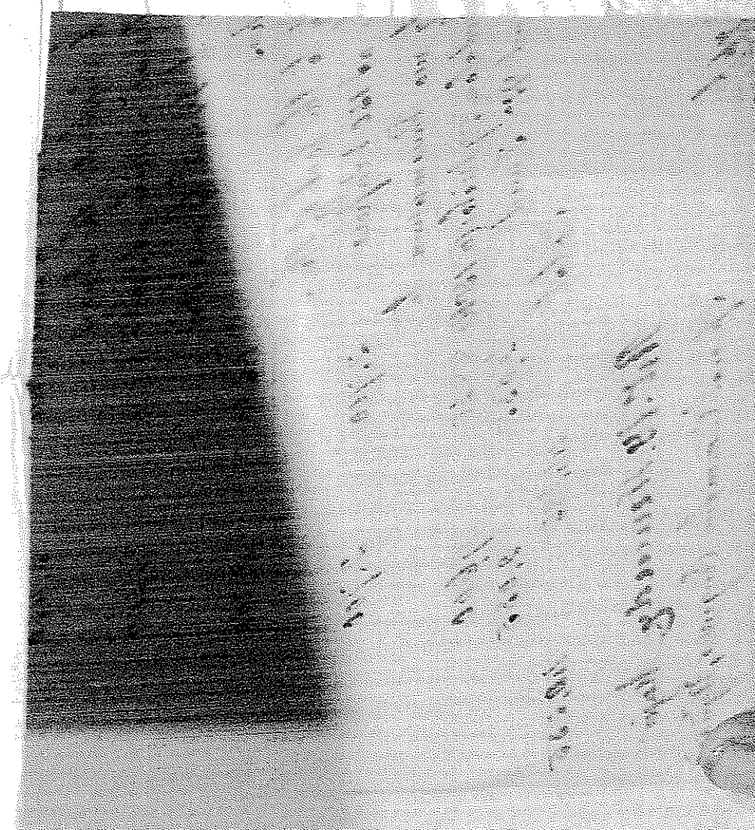
Detail Estimate for Repairs for 1870-71.

	Estimate of 1870-71 Amount	Total	Estimate of 1869-70 Amount	Total
Canal Buildings				
Minor Repairs to Revenue & Buildings				
North Wynaad Range	900		900	
South East Wynaad Range	500		500	
Nilgherry Range	500		500	
Total		1,900		1,900
Communication				
Perian Ghaut and Road via Manantoddy to Boreally on the Mysore frontier 40 Miles @ 200 Rs	8,000		6,450	
Tamberchery Ghaut and Road via Nilgherry, Cullpolly and Sultan's Battery to Mysore frontier 46 Miles at 200 Rupees	9,200		7,600	
Karkoor Ghaut via Goodalore to Tippacadoo on the Eastern frontier of Wynaad 32 Miles @ 200 Rs	6,400		5,450	
Road from Manantoddy to Lookaddy the Head of Tamberchery Ghaut) via Tirnelle 30 Miles at 200 Rs	6,000		4,500	
Road from Coorg frontier to Perian Ghaut Road 10 Miles at 150 Rupees	1,200		2,000	
Road from Manantoddy to the foot of the Lookaddy Ghaut 18 Miles at 150 Rupees	2,700		2,700	
Road from Manantoddy via Panamaram to Sultan's Battery and Goodalore 59 Miles @ 150 Rs	8,850		9,600	
Gilt Edged Road Work Fund	2,035		2,035	
Total		44,585		40,335

Gen. Ex. Engrs Office
Wynaad, Lookaddy
22nd October 1869

Rec'd. [illegible]

Rec'd. B. Kennedy Major
Special Executive Engineer, Wynaad



Item		1120		1120	
Item		4200		4200	
Item		1120		1120	
Item		1120		1120	
Item		1120		1120

Part II.

Detail of Estimate for Original Works for 1869-70.

Project.

Executive Division	No	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1869	Estimate for 1869-70.	Remarks or References.
1	2	3.	4	5	6	7	8.
			I. Military				
Cannanore Ranges		Cannanore	Slaughter House	6,200	"	6,200	Estimate Sanctioned in G.O. No 3163 of 12th October 1867. Standard Plans.
Do		Do	Flooring the rooms of the Barracks & Serjeants Quarters of the European Regiment	31,180	"	31,200	Estimate sent to Government with letter No 1040 of 24th August 1868; & sanctioned in G.O. No 2820 of 3d September 1868.
Do		Do	Improving the Drainage of the Parade Ground in front of the Artillery Barracks at Cannanore	10,450	"	10,450	Estimate sent to Government with letter No 139 of 21st October 1868.
Cannanore and Calicut Ranges		Cannanore, Calicut and Malleapooram	Punkahs at Cannanore, Calicut and Malleapooram	17,490	"	17,500	Estimate sent to the Brigade Office Cannanore, under G.O. No 2395 of 28th July 1868.
Cannanore Range		Cannanore	Subsidiary buildings for the Artillery Barracks	24,870	"	24,870	Estimates under revision.
Do		Do	A Range of Workshops for the European Infantry Regiment	14,300	"	14,300	Estimate reviewed in G.O. No 3915 of 18th Dec 1867. Standard plan. Work deferred till 1869-70 on the recommendation of His Excellency the Commander in Chief.
			Carried over	104,490	"	104,520	

1	2	3	4	5	6	7	8
			Brought over	1,04,490	"	1,04,520	
			I. Military continued				
Cannanore Range		Cannanore	Latrines and Dry Earth Stores for two N. I. Regiments & Earth Stores to the Latrines of Regiment Hospitals				
				14,720	"	14,000	Estimate Sanctioned in G. O. No. 352 of 1st February 1868 - On Dr. Arnold's Smith's Standard Plan.
	Do		Orderly room for Officers Commanding, & Adjutants, Quarter Masters, & Pay Masters Offices				
				8,010	"	8,000	Estimate Sanctioned in G. O. No. 3743 of 26th November 1866.
	Do		Field Elephant Shed to Contain 15 Elephants of the Commissariat Department				
				3,310	"	3,300	Do Do Do Do
	Do		Bullock shed for the Commissariat Department				
				2,500	"	2,500	Do Do Do Do
			Total Military	1,33,030	"	1,32,320	
			II. Civil Buildings.				
	Do		Central Jail				
			Pay of Jail Superintendent for 30 months at 700 Rs a Month	3,00,305	1,81,305	1,40,000	Government of India Register No. 34 C of 1867-68 and G. O. Nos. 1982 and 3862 of 4th July and 12th December 1867 and G. O. No. 3120 of 9th October 1867 - Item No. 118 of Budget 6 of 1868-69.
				21,000			
Calicut Range		Calicut	Lunatic Asylum	30,000	15,000	15,000	Estimate & Plan under revision under G. O. No. 2667 of 20th August 68. Item No. 76 of 1868/69.
			Carried over	3,51,305	1,96,305	1,55,000	

1	2	3	4	5	6	7	8
			Brought over	351,305	196305	155,000	
			II- Civil Buildings Continued				
Cannanore Range		Tellicherry	Talook Cutcherry	30,000	"	20,000	Construction of a Cutcherry at Tellicherry approved in G.O. No 259 of 24th January 1868- Estimate sent to Government with letter No 125 of 6th October 1868.
Calicut Range		Munjerry	Talook Cutcherry	25,000	"	15,000	Not Sanctioned- Called for in G.O No 997 of 27th March 1868- Estimate sent to Government with letter No 125 of 6th October 1868.
Palghaut Range		Palghaut	Head & Sub-Collector's Cutcherry at Palghaut	3,210	"	3,200	Estimate Sanctioned in G.O No 371 of 8th Febry/65
Cannanore Range		Tellicherry	Sub Collector's Cutcherry	6,600	"	6,600	Do Do
Palghaut Range		Cochin	Sea Custom House	5,800	"	5,800	Not Sanctioned- Plan and Estimate sent to Government with letter No 117 dated 27th September 1868-
			Police Stations &c.a	"	"	4,000	
			Total Civil Buildings	421,915	196,305	209,600	
			III- Agricultural.				
			None.				
			IV. Communications.				
Calicut Range.			Road below Karkoor Ghaut from Mambat to Coondoty	90,230	60,230	30,000	Estimate Sanctioned in G.O. No 3710 of 21st November 1866- Item No 325 of Budget of 1868-69
Do			Bridges over the Neelamboor & Cheeroopoya Rivers on the road from Mambat to the foot of the Karkoor Ghat	54,600	50,600	4,000	G.O No 1513 of 6th June 1865 Sanctioned the Estimate Item No 393 of Budget of 1868-69.
			Carried over	144,830	110,830	34,000	

1	2	3	4	5	6	7	8
			Brought over	1,44,930	1,10,330	34,000	
			IV.— Communications Continued				
Calicut Range			Reconstructing Coollangady bridge	18,800		18,800	Estimate sanctioned in G.O. No 1370 of 22 May 1868.
	Do		Karkoor Ghaut, Earth work V.c.a. below	32,550	30,550	2,000	Do Do in G.O. No 1543 of 6th June 1868 Item No 324 of Budget of 1868-69.
			Total Communications—	1,96,180	1,41,380	52,800	

Abstract.

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

Main Heads.	Imperial	Local	Total
I. Military	1,32,320	"	1,32,320
II. Civil Buildings	2,09,600	"	2,09,600
III. Agricultural	"	"	"
IV. Communications	54,800	"	54,800
V. Miscellaneous Public Improvements	"	"	"
Total	3,96,720	"	3,96,720

Statement of the sums required for Minor New Works, Estimated to Cost less than 500 Rupees each.

District.	For Minor New Works under Military.	For Minor New Works under Civil Buildings.	For Minor New Works under Agricultural.	For Minor New Works under Communications.	For Minor New works under Miscellaneous Public Improvement	Total for Minor New Works Estimated to Cost less than 500 Rupees each.
Malabar	2,500	1,500	1,500	1,500	500.	7,500

Supg Engrs Office 7th Divn
Coimbatore 22d October 1868.

Chandler Coll R.E.
Supg Engineer 7th Division

Compd

(Detailed Estimate for Expenditure)

			1589.90	1568.69

Amount of Estimate for

1. Military

South Coronation District

Irrigation	Minor Repairs to Buildings	1.00	1,00	✓
	Total Military		1,00	1,00

II Civil Buildings.

Irrigation	Minor Repairs to Reservoirs, Buildings	2,000		2,000 ✓
Cadastral	Do. Do.	1,000		1,000 ✓
Roads	Do. Do.	1,000		1,000 ✓
	Total Civil Buildings	4,000		4,000

N Communications

North Coronation District

Road from Mangalore to Market portion of the Pietermaritzburg Road from Estcourt to Greytown Bridge Commencing at 2.32 miles @ £110 per mile	2,52		2,520 ✓
Military road from Mangalore via Estcourt Bridge to Kilometre 3/4 near Estcourt Bridge by 16ft Metal Trench & Culverts commencing at 2.32 miles @ £110 per mile	5,250		5,250
Carried over	8,500		8,520

(1)

(2)

Estimate of Expenditure for Repairs

Estimate of Expenditure for Repairs

	1869-70 Amount	1869-70 Total	1868-69 Amount	1868-69 Total
Brought over		5,800		5,800
Communications (continued)				
South Canara District				
Trunk Road No III, and continuation from Mangalore Trunk Road No II to the foot of the Munzerabad Ghaut. 25 Miles at 110 Rs per Mile	2,400		2,400	
Road from Bantwal to the Channaraya Odeyar's Tod and Mountain Pass Frontier 42 Miles at 110 Rs per Mile	4,620		4,620	
Trunk Road No II from Mangalore to the foot of the Mercara or Sumpaje Ghaut 66 Miles at 110 Rs per Mile	7,260		7,260	
Cooloor Road Circuit, comprising, Road from Mysore Frontier at Luckmanpoor to the Head of Ghaut, the Ghaut & Road below to Mandanee the head of Navigation of the Coondapoor River 32 Miles at 110 Rs per Mile — Rs 3,520				
Do — Do from Hosahad over the foot of Coolcoor Ghaut to the Sea port of Byndoor 16 Miles at 110 Rs per Mile — Rs 1,760	5,280		5,280	
Carried over		30,360		31,907

	1869-70 Amount	1869-70 Total	1868-69 Amount	1868-69 Total
Brought over		30,360		31,907
Communications (continued)				
South Canara District				
Hallady Trunk Road Circuit, comprising Road from Mangalore Trunk Road No II to Bantwal to Bramhavar 20 Miles at 110 Rs per Mile — Rs 2,200				
Bramhavar Bantwal Circuit: Bramhavar to Hallady 20 Miles at 110 Rs per Mile	2,200			
Bramhavar to Hallady Road 18 Miles at 110 Rs per Mile — Rs 1,980	1,980	4,180	972	972
Minor Repairs to Bridges, Bunds, &c.		100		200
Total Communications		34,640		33,079
V. Miscellaneous Public Improvements				
South Canara District — Minor Repairs		25		25
Total Miscellaneous Public Improvements		25		25

Abstract of the Grant proposed for all Repairs &c to be executed by the Public Works Department

	Items.	Imperial Local	Total
I	Military	1300.	1300.
II	Civil Buildings	4000.	4000.
III	Agricultural	-	-
IV	Communications	37603.	37603
V	Miscellaneous Public Improvements	25.	25.
	Total	42928.	42928

Public Works Office No.
Calcutta 23 October 1863.

Public Works Office

Bungalows	3520	"	5,280	8,800	"	8,800		
Trunk Road No. III, and continuation from Mooroy on Trunk Road No. II to the foot of the Mungeer=ahad Ghaut - 40 Miles at 110 Rs per Mile	"	"	4,400	4,400	"	4,400	G.O. No. 3317 of 11th Nov=ember 1868	G.O. No. 2790 of 1st September 1868.
Road from Bunkoral to the Chiaramandy or Ko=dekal Ghaut on the Mysore frontier 42 Miles at 110 Rs per Mile	4,620	"	"	4,620	"	4,620	do.	
Trunk Road No. II from Mangalore to the foot of the Mercara or Sumajee Ghaut - 66 Miles at 110 Rs per Mile	1,760	"	5500	7,260	"	7,260	do.	
Cross Road Circuit - 48 Miles at 110 Rupees per Mile	"	5,280	"	5,280	"	5,280	do.	Vide Lieut. Governments Letter No. 3038 dated 9th August 1869
Kallady Road Circuit - 64 Miles at 110 Rupees per Mile	"	7040	"	7,040	"	7,040	do.	
Minor repairs to Travellers Bungalows	"	"	"	203	"	203		
Total Communications	9,900	12,320	15,180	37,603	"	37,603		

Office of Engineers Office of the Dy
Commissioner 23d October 1869

Examined & Cd
Supg Engineer of the Dn

Page II

Estimate of original Works to 30th Sept. 1869.

Revised

Description of Services	Locality	Description	Original Estimate to 1869-70			Remarks & References.
			Amount of Original Estimate	Increase or Decrease	Total Amount Revised Estimate to 1869-70	
1	2	3	4	5	6	7	8
Mangalore Range	Mangalore	1 Military Barrack Shed	6,800	1,950	8,750	Original Estimate Sanctioned under Govt. Lr. No. 3021 of 30th September 1869.
		Total Military	6,800	1,950	8,750	
		II Civil Buildings				
Cannanore Range	Cannanore	Municipal Court	3,900	1,350	5,250	Estimate sanctioned in G.O. No. 1222 of 4th December 1869.
		Sub Jail				
		Subsidiary Jail at Cannanore	24,000	9,060	33,060	Estimate sanctioned in G.O. No. 31 of 31st January 1870
Calicut Range	Calicut	Quartering Civil Officers	6,700	1,500	8,200	Estimate sanctioned in G.O. No. 3577 of 29th September 1869.
		Total Civil Buildings	34,600	11,610	46,210	
		IV Communications				
Coorg Range		Road from Civil Station to Madikeri Fort	10,000	34,700	44,700	Estimate sanctioned in G.O. No. 3577 of 29th Sept. 1869. vide Govt. Lr. No. 3021 of 30th Sept. 1869.
		Carried over	10,000	34,700	44,700	

1	2	3	4	5	6	7	8
Coolum Range			Bridges on the road between Mangalore & Cannanore in the 1st & 2nd Division	79,240	34,700	10,000	
Mangalore Range			Bridges below the Channady Tidal Creek	71,134	61,134	10,000	Estimate sanctioned in G.O. No 706 of 4th March 1868 Mem. No 105 of Budget for 1868-69.
" Do.			Channady and Chittoor bridges	11,745	4,500	"	Do Do in G.O. No 3069 of 25th October 1865.
" Do.			Cannon bridge on the road from Mangalore to Kankal	4,540	"	4,000	Do Do in G.O. No 1564 of 2nd October 1866.
Coondapoor Range.			Maleketto Bridge on the 1st Road Circuit	4,200	"	4,200	Plan and Estimate under Submission.
" Do.			Major Bridges between the Mangalore & Coondapoor 1st Road & the Cotar Chauky	10,050	"	7,500	Estimate sent to Government under Letter No 128 of 10th October 1868.
Mangalore Range			Bellacher bridge on the road from Mangalore to Cottapoor	9,570	"	5,000	
" Do.			Shiringaroondy Bridge in lieu of Do Do	3,080	"	3,100	Plan & Estimate under Revision.
Coolum Range			Coondapoor Mangalore & Cannanore Road Tidal Creeks	2780	"	2800	
				Do	"	4,400	Estimate submitted to Government, Vide G.O. No 3,015 of 22nd November 1869 - Not sanctioned. -
			Total Communications	201,849	100,585	59,100	

Abstract of the Grants proposed for all Original Works to be done next the Public Works Department.

Main Heads	Expenditure	Recd	Total
I. Military	6,000.	–	6,000.
II. Civil Buildings	39,600.	–	39,600.
III. Irrigation	–	–	–
IV. Communications	59,100.	–	59,100.
V. Miscellaneous Public Improvements	–	–	–
Total	105,500.	–	105,500.

Statement of the Sums required for Minor Works, Estimated to Cost less than 500 Rupees each

Under Rupees	500	6000	"	2,000	2,000

Madras Presidency £201 89

Part III

Statistics of Estimates for Persons for 1869-70

	Estimate Estimate 1869-70	1868-69	
Civil Works			
Madras — Roads			
Civil Buildings			
Madras — Roads & Bridges			
to Revenue Fund			
Civil Charges	3000	3000	
Total Civil Buildings	3000	3000	
Agriculture &c			
Madras — Minor Harbours			
to Revenue	12000	18000	
— " — Fd to Capital	6000	24000	
Total Agriculture &c	18000	42000	
Commercial			
Madras — Roads & Canals &c			
to Madras Civil Establishment			
& Charges	18000	16920	64 Miles @ Rs 281 per Mile.
for Construction			
Irrigation Works			
to Madras	4200	3840	21 Miles @ Rs 200 per Mile.

Medium Division

Part III.

Estimate of Expenses for Repairs for 1869-70.

Part III.

Detail of Estimate for Repairs for 1869-70.

	Estimate 1869-70		Estimate 1870-71		
	Amount	Total	Amount	Total	
Military					
Public Embankment & Roads	1200		1200		
Mud Repairs & Bridges	1100		1100		
Total Military		2300		2300	
Civil Buildings					
Ordinary Mud Repairs & Renewal of Buildings	4000		4000		
Total Civil Buildings		4000		4000	
Accidental					
Ordinary Repairing Establishment					
Charges	2000		2000		
Extraordinary Charges	"		2500		
Original Charges	10000		"		
Original Establishment					
Land	5000		"		
Mud Repairs & Contingencies	2000		2000		
Repairs to Land	3/4000		3/4300		
Total Accidental		23500		6300	

	Estimate 1869—70 Amount	Estimate 1868—69 Amount	
Communications.			
Jemmelly—Road No 2 viâ Jemmelly to Crambolly	20800	19150	10th Milestone Repairs
—"— Road No 8 from Palamcottah to Sudé	2900		
Cosin	1250	2720	9th Mile Stone from Palamcottah
—"— Road No 9 from Palamcottah Jetties	5000	3010	1st Mile Stone from Palamcottah
—"— Road No 3 from Meenille to Sattoor Jetties	12500	12050	1st Mile Stone from Meenille
Minor Repairs to Roads &c &c	1000	1000	
—Do to Travellers Bungalows	703	703	
Total Communications	43853	40193	
Miscellaneous Public Improvement			
Jemmelly—Minor Repairs	300	300	
Total M. P. Imp.t	300	300	
Grand Total	43553	40193	

Supt. Engr's Office 8th Nov.
Palamcottah 5th September 1868

Edwd Prendergast Captain R.E.
Executive Engineer
in charge of the Supt. Engr's Office &c