M.R.O. 1—77,006—8-6-37.

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MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 3044. Press/Mis.
5324.

Dated 15. 12. 1870.

Not to be folded or roughly handled

P.-R.P

Proceedings of the Madras Government, Public Works Department, *15th December* 1870.

Read the following papers :—

No. 302. From the Acting Superintending Engineer, 1st Division.
(Here enter No. 2,219, dated 30th September 1870.)

No. 303. From Do. do. 2nd Division.
(Here enter No. , dated 23rd September 1870.)

No. 304. From Do. do. 3rd Division.
(Here enter No. 1,391, dated 22nd September 1870.)

No. 305. From Do. do. 3rd Division.
(Here enter No. , dated 1st October 1870.)

No. 306. From Do. do. 3rd Division.
(Here enter No. 158-B., dated 20th October 1870.)

No. 307. From the Executive Engineer in charge of the 4th Division.
(Here enter No. 2,731, dated 30th September 1870.)

No. 308. From the Collecter of South Arcot.
(Here enter No. 38, dated 28th September 1870.)

No. 309. From the Acting Sub-Collecter of Salem in charge.
(Here enter No. 27, dated 28th September 1870.)

No. 310. From the Acting Superintending Engineer, 5th Division.
(Here enter No. 137, dated 8th October 1870.)

No. 311. From the Executive Engineer in charge of the 6th Division.
(Here enter No. 608, dated 22nd October 1870.)

No. 312. From the Executive Engineer in charge of the 6th Division.
(Here enter No. 609, dated 25th October 1870.)

No. 313. From the Acting Superintending Engineer, 7th Division.
(Here enter No. , dated 20th September 1870.)

No. 314. From Do. do. 7th Division.
(Here enter No. , dated 6th October 1870.)

No. 315. From the Special Executive Engineer, Wynaad.
(Here enter No. 668, dated 12th October 1870.)

No. 316. From the Acting Superintending Engineer, 8th Division.
(Here enter No. 1,801, dated 3rd October 1870.)

No. 317. From the Controller of Public Works Accounts.
(Here enter No. 1,666, dated 8th November 1870.)

No. 318. From the General Superintendent Public Works Stores and Workshops.
(Here enter No. 998, dated 2nd December 1870.)

No. 319. From Do. do. do.
(Here enter No. 1,026, dated 12th December 1870.)

No. 320. From the Inspector-General of Police.
(Here enter No. 6,569, dated 22nd October 1870.)

No. 321. From the Director of Public Instruction.
(Here enter No. 1,623, dated 1st October 1870.)

No. 322. From Do. do. do.
(Here enter No. 1,872, dated 9th November 1870.)

No. 323. From the Acting Master Attendant.

(Here enter No. 5,039, dated 28th September 1870.)

No. 324. ORDER THEREON, 15th December 1870, No. 3,044.

ACCOUNT, No. 24.

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 officers of the Public Works Department during 1871-72.

2. Taking the appropriation to Extraordinary Agricultural Works at Rupees 17,95,000,* for which that part of the Budget has been prepared, the Imperial Public Works grant† for the ensuing year is Rupees 72,20,000, against which demands, aggregating Rupees 143,65,019, are made by the local officers, classified as follows :—

	RS.
*Works	15,75,000
Establishments	2,00,000
Tools and Plant	20,000
	17,95,000

†Exclusive of State Outlay on guaranteed railways.

Budget Heads.	Military.	Civil Buildings.	Agricultural, Ordinary.	Agricultural, Extraordinary.	Communications.	Miscellaneous Public Improvement.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
New Works, including Reserve ...	20,37,826	26,55,615	7,16,905	19,67,997	20,01,396	1,08,953	94,88,692
Repairs ...	2,34,937	1,36,170	15,90,519	...	10,06,476	24,725	29,92,827
Establishments... ...	...	...	...	...	...	...	16,77,700
Tools and Plant... ...	...	...	...	...	...	...	1,50,000
State outlay—Irrigation and Canal Company ...	...	...	...	...	...	...	55,800
Total...	...	...	...	...	...	...	143,65,019
Deduct Grant.	...	...	...	...	...	...	72,20,000
Excess...	...	...	...	...	...	...	71,45,019

3. The Budget of State expenditure in connection with guaranteed railways, as passed in the Proceedings of Government, No. 2,734, dated 15th ultimo, amounts to Rupees 2,72,000 in round numbers. Adding this assignment to the grant‡ for Public Works proper, the total Imperial allotment for 1871-72 is Rupees 74,92,000, which His Excellency the Governor in Council resolves to distribute over the various heads of service in the manner detailed below :—

‡ Rupees 72,20,000, as per paragraph 2.

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	5	69,020	12	1,60,980	17	2,30,000	50,000	2,80,000
	Civil Buildings	...	......	44	3,38,500	44	3,38,500	50,000	3,88,500
	Agricultural, Ordinary ...	4	44,650	3	74,550	7	1,19,200	1,75,000	2,94,200
	Do. Extraordinary.	3	3,00,000	13	12,75,000	16	15,75,000	......	15,75,000
	Communications	...	......	23	2,20,000	23	2,20,000	50,000	2,70,000
	Miscellaneous Public Improvement	...	......	4	18,000	4	18,000	6,500	24,500
	Total...	12	4,13,670	99	20,87,030	111	25,00,700	3,31,500	28,32,200
Repairs	Military	...	......	...	......	...	......	......	2,20,000
	Civil Buildings	...	......	...	......	...	......	......	1,14,000
	Agricultural, Ordinary ...	...	......	...	......	...	......	......	12,00,000
	Communications	...	......	...	......	...	......	......	9,55,300
	Miscellaneous Public Improvement	...	......	...	......	...	......	......	15,000
	Total...	...	......	...	......	...	......	......	25,04,300
Establishments, exclusive of proportion chargeable to Local Funds	....	...	......	...	......	...	......	......	16,77,700
Tools and Plant, do. do. ...	....	...	......	...	......	...	......	......	1,50,000
Madras Irrigation and Canal Company—State outlay	....	...	......	...	......	...	......	......	55,800
Railways— do.	....	...	......	...	......	...	......	......	2,72,000
	Total...	...	......	...	......	...	......	......	74,92,000

4. The restrictions imposed by the Government of India on the appropriation of the Imperial grant are noted at length in the orders of that Government recorded in Proceedings No. 2,769, dated 17th November 1870, to which, as well as to paragraphs 5 and 41 of G. O. of the 15th December 1869, No. 3,916, the special attention of all Superintending Engineers is directed.

5. Omitting the provision* for State outlay on guaranteed railways, the Imperial grant† for 1871-72 falls short of the Budget assignment‡ for the current year by Rupees 5,05,000 as follows :—

* Rupees 2,72,000.
† ,, 72,20,000.
‡ ,, 77,25,000.

Heads.		For 1870-71.	For 1871-72.	Less.	More.
		RS.	RS.	RS.	RS.
New Works.	Military ...	3,40,000	2,30,000	1,10,000	......
	Civil Buildings ...	4,17,000	3,38,500	78,500	......
	Agricultural, Ordinary.	65,200	1,19,200	......	54,000
	Do. Extraordinary.	18,80,000	15,75,000	3,05,000	......
	Communications ...	2,00,000	2,20,000	......	20,000
	Miscellaneous Public Improvement ...	13,800	18,000	......	4,200
	Reserve	5,41,000	3,31,500	2,09,500	......
Repairs ...	Military ...	2,00,000	2,20,000	......	20,000
	Civil Buildings ...	1,10,000	1,14,000	......	4,000
	Agricultural, Ordinary.	12,00,000	12,00,000	......	......
	Communications ...	9,30,000	9,55,300	......	25,300
	Miscellaneous Public Improvement ...	15,000	15,000	......	......
Establishment, Imperial, including charge against Extraordinary Agricultural grant ...		16,09,200	16,77,700	......	68,500
Tools and Plant do. do. do. ...		1,50,000	1,50,000	......	......
Madras Irrigation and Canal Company—State outlay		53,800	55,800	......	2,000
Total...		77,25,000	72,20,000	7,03,000	1,98,000
Net decrease...		......	......	5,05,000	

6. The appropriations in the Budget Estimate for 1871-72 to Major Works, "Imperial," amount in the aggregate to Rupees 25,00,700, being Rupees 4,15,300 less than the grant* for the current year as shown in the following abstract :—

* Rupees 29,16,000.

Heads.		For 1870-71.	For 1871-72.	Less.	More.
		RS.	RS.	RS.	RS.
Military	Accommodation for troops ...	2,32,150	2,00,000	32,150	...
	Ordnance	37,650	...	37,650	...
	Staff...	70,200	30,000	40,200	...
	Total...	3,40,000	2,30,000	1,10,000	...
Civil Buildings.	Revenue buildings	72,800	40,890	31,910	...
	Post and Telegraph buildings.	3,000	3,700	...	700
	General do.	43,220	29,050	14,170	...
	Judicial do.	2,97,980	2,64,860	33,120	...
	Total...	4,17,000	3,38,500	79,200	700
Agricultural ...	*Extraordinary.*				
	Irrigation Canals	18,80,000	15,75,000	3,05,000	...
	Total...	18,80,000	15,75,000	3,05,000	...
	Ordinary.				
	Irrigation Canals	60,700	1,14,200	...	53,500
	Tanks	4,500	5,000	...	500
	Total...	65,200	1,19,200	...	54,000
Communications.	Roads	1,09,980	1,76,600	...	66,620
	Bridges	73,300	31,700	41,600	...
	Navigable Canals	16,720	11,700	5,020	...
	Total...	2,00,000	2,20,000	46,620	66,620
Miscellaneous Public Improvement.	Ports and Harbours... ...	13,800	5,800	8,000	...
	Municipal	...	12,200	...	12,200
	Total...	13,800	18,000	8,000	12,200
Grand Total...		29,16,000	25,00,700	5,18,820	1,03,520
Net decrease...		...	...	4,15,300	

7. Under Military, the grant for Major Works for 1871-72 falls short of the current year's Budget assignment by Rupees 1,10,000. This is owing mainly to the entire sum to be made available in the ensuing year under this head of service being less than the allotment for 1870-71 by one lac of Rupees. A further reduction of Rupees 10,000 in the appropriations to Major Works has become necessary by the necessity of supplementing the provision for "Repairs Military," as hereinafter explained. The appropriations to Major Works under "Other Services"* in the outgoing Budget amount in the aggregate to Rupees 5,76,500. This is less than the† provision for 1870-71 by Rupees 54,300, which sum it has been found necessary to divert from this head to cover in part the excess over the allotment sanctioned by the Government of

* Comprising Civil Buildings, Communications, and Miscellaneous Public Improvement.

† Rupees 6,30,800.

India for Establishments, as explained in a subsequent paragraph. Under the four heads already noted, none other than *incomplete* works, save those specified in the margin, have found a place in the Budget of 1871-72, and, even amongst works of this class, the Government have had no alternative but to exclude the Great Northern Road, as well as a large number of Talook Cutcherries and Subsidiary Jails, which, for want of funds, are left in an unfinished state. Under "Agricultural, Ordinary," the allotments for Major Works amount in all to Rupees 1,19,200, which is in excess of the Budget provision for the current year by Rupees 54,000. The appropriations to Extraordinary Agricultural Works aggregate Rupees 15,75,000, as follows, being Rupees 3,05,000 less than the grant for 1870-71:—

Military.
(1.) Ghooty Rest-house. Bellary.
(2.) Buildings for the accommodation of an additional Regiment of Native Infantry at Bangalore.
(3.) Cook-room for Recreation Room, etc., at the Cavalry Barracks at Bangalore.
(4.) Hospital Serjeant's quarters at Bangalore.
(5.) School-room for adults (Infantry) at Bangalore.

	RS.
Ganjam.—Rooshkoolia Project	50,000
Godavery—Western Delta Project...	3,00,000
Do. Eastern do.	2,00,000
Kistna.—Kistna Delta Works	1,90,000
Nellore.—Pennair do.	1,00,000
Chingleput.—Water Supply Project	1,00,000
South Arcot.—Palandoray Project	1,00,000
Tanjore.—Cauvery and Vennaur Works	2,60,000
Madura.—Perryaur Project...	1,00,000
Tinnevelly.—Streevyguntam Anicut Project	1,75,000
Total...	15,75,000

8. The Reserve, or grant for Minor Works, Imperial, for 1871-72 is Rupees 3,31,500, which is less than the current year's estimate* by Rupees 2,09,500. The short provision under each head is noted below:—

* Rupees 5,41,000.

	RS.
Military	10,000
Agricultural	1,56,000
Civil Buildings...	20,000
Communications	20,000
Miscellaneous Public Improvement	3,500
Total...	2,09,500

9. The short provision under "Military" has been diverted to the minor head "Repairs," to cover excesses explained in paragraph 20 of these Proceedings.

10. Of the reduction (Rupees 43,500) on "Other Services" (including Civil Buildings, Communications, and Miscellaneous Public Improvement) Rupees 14,200 have been diverted to the head of "Establishments, Ordinary," and Rupees 4,000 and 25,300 to Repairs "Civil Buildings" and "Communications" respectively. The necessity for these transfers is explained in paragraphs 20 and 25.

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11. Of the short provision of Rupees 1,56,000 under "Agricultural," Rupees 56,000 have been appropriated, partly* to specific Major Works in Part II., and partly† to augment the provision for State outlay on guaranteed irrigation works, the balance being taken to increase the allotment for Establishments, regarding which full explanation will be afforded to the Government of India.

* Rupees 54,000.
† „ 2,000.

12. The following allotments are authorized from the Reserve, to meet demands on account of Minor New Works within the competence of the Superintending Engineers to sanction:—

Districts.	Military.	Civil Buildings.	Agricultural.	Communications.	Miscellaneous Public Improvement.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	......	400	1,000	600	......	2,000
Vizagapatam	300	400	500	600	......	1,800
Godavery	300	500	6,000	600	......	7,400
Kistna	......	500	5,000	500	......	6,000
Nellore	......	400	5,000	500	......	5,900
Cuddapah	......	400	4,000	600	......	5,000
Kurnool	400	400	2,000	600	......	3,400
Bellary	3,000	400	4,000	600	......	8,000
Presidency	3,000	1,800	......	......	......	4,800
Chingleput	1,500	400	5,000	500	......	7,400
North Arcot	300	400	6,000	500	......	7,200
South Arcot	......	400	6,000	400	......	6,800
Salem	200	400	2,000	200	......	2,800
Bangalore	3,000	500	......	......	......	3,500
Tanjore	......	600	10,000	600	......	11,200
Trichinopoly	1,700	500	3,000	500	......	5,700
Coimbatore	500	500	2,500	600	......	4,100
Neilgherries	1,000	400	......	400	250	2,050
Malabar	2,000	500	500	600	250	3,850
Wynaad	......	......	......	500	......	500
South Canara... ...	300	400	......	400	......	1,100
Madura	......	400	3,000	600	......	4,000
Tinnevelly	500	400	7,500	600	......	9,000
Total...	18,000	11,000	73,000	11,000	500	1,13,500

13. These sums will be at the disposal of the local officers on the 1st April 1871, and deducting them from the total provision for Minor Works under all heads, the balances which will remain at the disposal of Government are as follow:—

	RS.
Under Military...	32,000
„ Agricultural	1,02,000
„ Civil Buildings	39,000
„ Communications	39,000
„ Miscellaneous Public Improvement	6,000
Total...	2,18,000

14. Looking to the smallness of these balances, His Excellency the Governor in Council directs that the orders in paragraph 20 on the current Budget shall continue in force in the ensuing year. These orders should be specially communicated to all Range Officers for information and guidance.

15. The statements of demands to be submitted by Superintending Engineers, early in April next, should show separately and distinctly—

(1.) Works in actual progress on the 31st March 1871 under proper authority.

(2.) Works against which payments are recorded in the current year's accounts on account of demands left unsettled in 1869-70.

16. Irrespective of these returns the Government will expect to receive from Superintending Engineers the usual statements of new sanctioned works estimated at and above Rupees 2,500, and of transfers of Imperial Budget credits exceeding the actual requirements of 1871-72.

17. The Inspector-General of Police should also take measures for ensuring the despatch, early in April next, of the statements called for in G. O., No. 979, dated 8th April 1870, of the detailed appropriations of the lump sums provided in the Public Works Budget on account of Police buildings. Major Hearn will observe, on reference to that Order, that these particulars are not required to be furnished at the time of the preparation of the Budget Estimate, and that the provisions of Rule III. apply not to the entries in that *Budget*, but to the *detailed statements* due by him after the commencement of the official year.

18. Under Repairs, Imperial, the aggregate Budget provision for 1871-72 is Rupees 25,04,300, against Rupees 24,55,000 allotted in the current year. The distribution of these grants amongst the several districts is noted in the following abstract:—

Districts.	MILITARY.		CIVIL BUILDINGS.		AGRICULTURAL.		COMMUNICATIONS.		MISCELLANEOUS PUBLIC IMPROVEMENT.	
	1870-71.	1871-72.	1870-71.	1871-72.	1870-71.	1871-72.	1870-71.	1871-72.	1870-71.	1871-72.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	720	920	2,900	3,700	22,500	22,500	47,748	48,578	100	......
Vizagapatam	5,160	10,160	1,600	2,400	8,500	8,500	28,964	29,164	300	300
Godavery	......	......	5,500	5,100	1,46,000	1,55,000	22,321	21,800	7,835	7,835
Kistna	741	700	4,000	3,500	70,000	75,000	40,390	41,350	500	500
Nellore	......	......	2,400	2,400	54,000	56,000	44,536	47,272	......	......
Cuddapah	......	......	2,900	2,400	72,500	70,000	46,650	46,350	... ..	......
Kurnool	......	......	650	800	17,000	20,000	33,787	33,187	......	......
Bellary	25,000	25,000	1,900	2,400	51,500	51,500	52,400	58,525	......	......
Presidency	70,079	66,247	25,180	31,000	3,000	3,000	23,453	20,453	300	300
Chingleput	21,350	25,350	9,500	9,700	85,000	90,000	82,007	1,00,571	50	50
North Arcot	4,110	3,610	5,300	6,000	1,07,000	1,10,000	28,275	30,900	50	50
South Arcot	......	......	3,600	3,300	1,07,500	1,07,500	60,121	59,417	140	140
Salem	2,000	2,850	5,520	5,670	35,000	35,000	42,600	41,900	......	......
Bangalore	37,440	41,945	1,500	2,000	......	......	......	......	......	......
Tanjore	......	......	9,500	7,300	1,80,000	1,45,000	41,053	38,418	5,000	5,000
Trichinopoly	6,000	9,618	3,600	2,600	71,000	71,000	35,888	36,365	......	......
Coimbatore	400	400	3,400	3,400	40,925	48,000	32,380	31,680	......	......
Neilgherries	7,000	9,200	2,000	2,000	...	......	27,220	26,720	300	400
Malabar	16,000	20,000	5,300	4,900	1,075	1,100	51,630	51,130	200	200
Wynaad	......	......	2,400	1,900	......	......	42,650	42,650	......	......
South Canara	1,300	1,300	3,500	3,600	......	......	40,573	40,370	25	25
Madura	......	......	3,600	3,530	41,000	41,000	57,400	61,250	100	100
Tinnevelly	2,700	2,700	4,250	4,400	86,500	89,900	47,954	47,250	100	100
Total...	2,00,000	2,20,000	1,10,000	1,14,000	12,00,000	12,00,000	9,30,000	9,55,300	15,000	15,000

19. The excess provision of Rupees 49,300 appears under the following heads:—

	RS.
Military	20,000
Civil Buildings	4,000
Communications	25,300

20. The additional assignments under the two former of these heads are due to the necessity of providing adequately for all claims, supported by rule, to house-rent and compensation for inferior quarters made on behalf of Military Subordinates and of Medical Subordinates in Military and Civil employ respectively The provision under these heads in the outgoing Budget is calculated to be the aggregate of the charges in the current year.

21. The excess provision under "Repairs Communications" represents the grants required for the maintenance of additional lengths of Imperial road which have recently been constructed.

22. Under "Agricultural" and "Miscellaneous Public Improvement," the allotments for 1871-72 are exactly the same as those provided in the current year's Budget, and call for no remark.

23. The Budget of Establishments, as submitted by the Controller of Public Works Accounts, amounts to Rupees 20,10,718. This is less than the original* Budget Estimate for 1870-71 by Rupees 1,14,682. Taking, however, into consideration the reduction of two lacs of Rupees in 1870-71 ordered by the Government of India, the outgoing Budget shows an excess over the reduced estimate of the current year of Rupees 85,318, which is explained as follows:—

		RS.
Difference (to be met from savings) between the amount by which the Budget Estimate of 1870-71 was ordered to be reduced by the Government of India, and that of the specific reductions made by this Government.		31,749
Net excess, as shown below, by the adoption of the new scale of salaries sanctioned in G. O., No. 2,589, dated 31st October 1870 :—		
Excess under "Direction"	10,440	
Do. "Accounts"	3,825	
	14,265	
Deduct saving under "Construction" ...	9,124	
		5,141
Additional house-rent for the Chief Engineer for Irrigation		360
Addition on account of official postage (Rupees 45,000—41,920) ...		3,080
Do. do. of pay proper of seconded officers, and Presidency house-rent to Engineer Establishment under "Construction"		780
Slight excess in salary of Mechanical Engineer		84
Addition on account of 50 per cent. increase to Wynaad Officers, calculated at the present rate of charge ...		920
Do. do. to Wynaad Establishments		468
Additional charge on account of Surveying Master to Civil Engineering College		1,200
Additions on account of sanctioned Conservancy Establishments, and amount disallowed in current year's estimate in order to make up round numbers		3,986
Increase on account of travelling allowance under "Construction"		45,000
		92,768
Deduct—		
Saving by reduction in the number of Assistant Engineers of the 3rd grade from 7 to 4 (Rupees 1,400—1,000 = 400 × 12 =)	4,800	
Do. on the grant for contingencies of the Civil Engineering College	950	
Do. for Local Fund Petty Establishment and Contingencies	1,700	
		7,450
Net Increase ...		85,318

*Rupees 21,25,400.

24. The entire amount provided in Part IV., and now passed by Government, is Rupees 20,10,710, distributed as follows:—

	RS.
Against Imperial, Ordinary	14,77,700
Do. do., Extraordinary.	2,00,000
Total Imperial ...	16,77,700
* District Road Fund ...	3,17,630
† Canal Fund...	3,720
Port Fund—Ten per cent...	9,990
Educational Fund do. ...	1,670
Total Local ...	3,33,010
Grand Total ...	20,10,710

	RS.	
* District Road Fund Petty Establishment and Contingencies	1,18,630	
Ten per cent. for Public Works supervision on the estimated outlay on Road Fund Works, *viz.*, Rupees 19,89,970 ...	1,99,000	3,17,630
† Do. do. on East Coast Canal works, *viz.*, Rupees 12,200	1,220	
Canal Fund Petty Establishment	2,500	3,720

25. The sum specifically set apart by the Government of India for Establishments, Ordinary, is Rupees 13,09,200, to which His Excellency in Council has added Rupees 68,500 from the grant for "Other Services," in pursuance of Clause V. of paragraph 14 of the Circular recorded in G. O., No. 2,769, dated 17th November 1870. The difference* of one lac of Rupees has been met by transfer from the allotment for Agricultural Works, Ordinary. In support of this transfer it will be explained to the Government of India that, seeing that the cost of surveys in connection with Extraordinary Agricultural Works is not permitted to be charged at once to the Extraordinary grant of the year, and that it has been determined that disbursements on this account shall fall on the Ordinary grant in all cases in which the surveys, plans, and estimates, are not prepared in the year in which the works are sanctioned for execution, the sub-division of the Ordinary grant against which these charges should appear is clearly, in the opinion of His Excellency in Council, "Agricultural." Apart from this, it has to be borne in mind that the entire allotment for Agricultural Works, Ordinary and Extraordinary, is Rupees 30,69,200, against Rupees 22,67,300 for works under all other heads, and seeing that, on the principles laid down in the orders of the Government of India, No. 28-A—I., dated 4th February 1870, the charges to Extraordinary on account of Establishments are not likely to exceed two lacs, while the total

* Between the amount of the Budget (Rupees 14,77,700) and the aggregate of the two sums (Rupees 13,77,700) just noted.

estimated outlay (Imperial) under "Establishments" is Rupees 16,77,700, this Government think that, if those orders are to continue in force, it is only fair to expect a greater proportion of the excess (Rupees 1,68,500) on Establishments to be contributed by the grant for Ordinary Agricultural Works. Moreover, looking to the large number of irrigation works which are scattered all over the Madras Presidency, there is no doubt that Ordinary Works of that class absorb the greater portion of the time and attention of the Executive and Account Establishments, and it is therefore only right that the excess under "Establishments" should fall more heavily on the "Agricultural Ordinary" allotment than on the grant for "Other Services." It has been shown, that of the excess of Rupees 1,68,500 on Establishments, it is proposed to charge Rupees 68,500 to the provision for "Other Services," and taking into account the debits (estimated at about 35,000 or 40,000 Rupees) on account of Temporary Survey Establishments to be employed on the investigation of irrigational schemes, expected to be ultimately carried out from borrowed capital, or from the grant from the ordinary revenues of the country, and giving due weight to the other circumstances detailed above, His Excellency in Council trusts that the proposed transfer of one lac of Rupees from the ordinary grant for Agricultural Works to the head of Establishments, Ordinary, will not be considered excessive by the Government of India.

26. In former Budgets, the charges for official postage were entered in a lump sum under "Construction." In the present estimate, the amount will be found distributed under "Direction" and "Accounts," to tally with the advices which the Controller receives from time to time from the Comptroller-General of Accounts, who, it is stated, furnishes periodical statements in which the Postal Department classifies the charges under the following heads:—

Secretary.
Superintending Engineers.
Controller.

27. The provision for official postage in the Budget of 1871-72, namely, Rupees 45,000, is the estimated charge under that head for the current official year.

28. In the preparation of the Budget of Establishments the new consolidated rates of salary have been adopted, the provision for Military allowances for Superintending Engineers and for Executive and Assistant Engineers being the difference between the total of the consolidated rates, and the salaries which will be passed to the officers *who are likely to hold the various appointments in the next official year.*

29. In explanation of the excess of Rupees 45,000 on account of travelling allowance under "Construction," the Controller appends a memorandum of the audits* during the first seven months of the current year, from which the Government note that the average charge on account of travelling allowance under "Construction" is Rupees 17,240 per mensem. This will give a total of Rupees 2,06,880 per annum, or Rupees 45,000 in round numbers in excess of the reduced grant (Rupees 1,61,884) for 1870-71.

*	RS.
March	18,335
April	17,920
May	17,651
June	16,834
July	15,777
August	16,531
September	17,642
Total for 7 months...	1,20,690
Average per mensem...	17,241

30. The Governor in Council does not doubt that the travelling allowance bills of all members of the Public Works Department are carefully scrutinized in the Office of the Controller, and in order to show that the charges on account of travelling allowance, as provided for in the outgoing Budget, are in no way excessive or unusual, the Controller explains that the bills for travelling allowance under "Construction" actually passed in 1868-69 and 1869-70 amount in the aggregate to Rupees 2,04,655 and 2,12,709, respectively. Seeing that the Budget-Estimate for 1871-72 is prepared strictly with reference to what are likely to be the actuals of that year under the various heads, the Government deem it absolutely necessary to make specific provision for the excess charge of Rupees 45,000.

31. The Budget allotment for Temporary and Petty Establishments, Imperial, is Rupees 50,000 in each case. The grant for works under all heads for 1871-72 being even less than that for 1870-71, as already shown, the charges under these heads in the ensuing year should, if possible, be lower than the actuals of the year now current. Taking the orders communicated in paragraphs 2 and 5 of G. O., No. 813, dated 18th March 1870, in respect to Temporary and Petty Establishments, as continuing in full force throughout 1871-72, Superintending Engineers will carefully scrutinize the details of the establishments now employed, and, after making such reductions as may be practicable, they will submit, through the Controller of Public Works Accounts, Statements showing:—

(1.)—The Temporary Establishments to be employed on Surveys (Imperial) in 1871-72.
(2.)—Do. for general purposes.
(3.)—The Petty Establishments (Imperial) to be employed in each Range in 1871-72.

32. These Returns, which Government will expect to receive early in March, should contain full details, and be prepared in the form of the Statement which accompanied the Proceedings of Government of the 18th March last, quoted in the preceding paragraph.

33. The grant from Imperial Funds for "Tools and Plant"—Part V. of the Budget—is Rupees 1,50,000, which is the same as the provision in the current year's estimate. The distribution of this amount is as follows:—

		RS.
Ordinary ...	London Supplies	80,000
	Stores to be purchased and charges for repairs and carriage to be incurred in India	50,000
Extraordinary ...	Do. do.	20,000
	Total...	1,50,000

34. Adding to this allotment the appropriations of Rupees 22,900 and 1,000 from District Road and Port Funds, respectively, the total of Part V. of the Budget is increased to Rupees 1,73,900.

35. The amount available from all sources to defray charges on account of Tools and Plant to be incurred in India is Rupees 93,900, deducting from which Rupees 20,000 specially chargeable to the Extraordinary Agricultural allotment, there remains a balance of Rupees 73,900, which His Excellency the Governor in Council resolves to appropriate as follows:—

Districts or Departments.	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.
Ganjam	...	...	...	200 District Road ... 530 Port Fund ... 160	...	...	...	890	100	990
Vizagapatam	...	...	...	200 District Road ... 770	...	...	...	970	100	1,070
Godavery	...	...	...	400 District Road ... 3,000 Port Fund ... 200	...	...	...	3,600	200	3,800
Kistna	...	...	...	500 District Road ... 4,910	...	150	...	5,560	900	6,460
Nellore	...	...	...	500 District Road ... 870	...	...	...	1,370	500	1,870
Cuddapah	...	...	...	300 District Road ... 660	...	...	...	960	200	1,160
Kurnool	...	...	...	200 District Road ... 1,180	...	...	...	1,380	200	1,580
Bellary	...	...	...	300 District Road ... 1,550	...	...	...	1,850	200	2,050
Presidency	...	...	...	....	...	...	...	...	100	100
Chingleput	...	...	250	500 District Road ... 150	100	120	...	1,120	500	1,620
North Arcot	...	...	150	300 District Road ... 1,370	75	...	...	1,895	150	2,045
South Arcot	...	...	60	500 District Road ... 840	150	150	...	1,700	200	1,900
Salem	...	...	...	400 District Road ... 20	100	...	...	520	200	720
Bangalore	...	...	...	....	...	...	...	...	25	25
Tanjore	...	...	...	200 District Road ... 2,050 Port Fund ... 230	300	200	...	2,980	800	3,780
Trichinopoly	...	...	...	500 District Road ... 550	20	130	...	1,200	300	1,500
Coimbatore	...	...	...	1,000 District Road ... 880	50	70	...	2,000	700	2,700
Neilgherries	...	...	600	500 District Road ... 80	...	...	...	1,180	600	1,780
Malabar	...	...	...	200 District Road ... 960 Port Fund ... 210	...	...	...	1,370	300	1,670
Wynaad	...	...	...	300 District Road ... 50	...	...	...	350	400	750
South Canara... ...	...	...	500	300 District Road ... 290 Port Fund ... 200	...	...	...	1,290	700	1,990
Madura	...	...	500	200 District Road ... 890	50	100	...	1,740	400	2,140
Tinnevelly	...	...	...	300 District Road ... 1,300	...	...	...	1,600	600	2,200
Total...	...	...	2,060	31,700	845	920	...	35,525	8,375	43,900
General Superintendent of the Public Works Store Department ...	2,500	2,500	...	5,000	...	...	...	10,000	20,000	30,000
Grand Total...	...	...	...	....	...	...	...	...	...	73,900

36. As regards the provision of Rupees 20,000 for Tools and Plant from borrowed capital, the Government desire it to be distinctly understood that no charges under this head can be incurred in 1871-72 until the detailed estimates of the requirements of each district shall have been sanctioned by the Government of India. The Superintending Engineers will accordingly submit such estimates of the Tools and Plant as will be required for each work in the undermentioned Districts with as little delay as practicable :—

Ganjam.	South Arcot.
Godavery.	Tanjore.
Kistna.	Madura.
Nellore.	Tinnevelly.
Chingleput.	

37. The Controller will understand that he has no option but to disallow all charges against the Extraordinary grant that are not covered by estimates duly sanctioned by the Government of India, and he will specially report the name of any Officer who may incur expenditure in contravention of these orders.

38. The provision of Rupees 30,000 for Tools and Plant against the General Superintendent of Public Works Stores will be understood to include printing charges appertaining to this department, which, under G. Os., Nos. 2,394 and 2,472, dated 4th and 15th October 1870, respectively, have to be met from the Public Works grant.

39. The Government are desirous of having before them a Statement of the probable debits to the Public Works Department on account of printing charges in the current year, and they accordingly request that the needful information may be at once supplied by the Controller of Public Works Accounts, who will report from what source this item of charge can be defrayed.

40. The amounts for which the Budgets of State Expenditure on Railways and in connection with the works of the Madras Irrigation and Canal Company have been passed in the Proceedings marginally noted are Rupees 2,72,000 and Rupees 55,800, respectively. The details are as follow :—

No. 2,734, dated 15th November 1870.
,, 2,965, ,, 7th December ,,

Guaranteed Companies.	For Land.	For Establishments.	Tot
	RS.	RS.	
Railway Companies	1,91,600	80,400	2
Madras Irrigation and Canal Company	20,000	35,800	
Total...	2,11,600	1,16,200	3,2

41. The Budgets of works proposed for execution from the Road Fund of ea district has been separately disposed of in the Revenue Department. Such of th works entered in these Budgets as are to be undertaken by Civil Officers will appear in detail in the separate Local Fund Budget which will be issued by Government in February next. The remaining works must, under the Rules, be entered in the regular Budget of the Public Works Department, at the credit of

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which department the following sums will be placed on the 1st April next from the various Local Funds of this Presidency :—

Funds.	New Works.	Repairs.	Establishments.	Tools and Plant.	Total.
	RS.	RS.	RS.	RS.	RS.
District Road, etc....	12,76,580	7,13,390	3,17,630	22,900	23,30,500
East Coast Canal	...	12,200	3,720	...	15,920
Educational	11,500	5,200	1,670	...	18,370
Port...	92,430	7,420	9,990	1,000	1,10,840
Total...	13,80,510	7,38,210	3,33,010	23,900	24,75,630

42. The total outlay under all heads and from all sources by Public Works Officers during the ensuing official year is estimated at Rupees 99,67,630, and is classified as follows :—

Items.	Military.		Civil Buildings.		Agricultural Ordinary.		Agricultural Extraordinary.		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.	Imperial.	Local Funds.			
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Part II.—New Works ...	2,30,000	...	3,38,500	11,500	1,19,200	...	15,75,000	...	2,20,000	12,30440	18,000	82,900	25,00,700	13,24,840	38,25,540
Grant for Minor Works ...	50,000	...	50,000	...	1,75,000	...	....	...	50,000	41,940	6,500	13,730	3,31,500	55,670	3,87,170
Part III.—Repairs ...	2,20,000	...	1,14,000	5,200	12,00,000	...	....	...	9,55,300	7,13,210	15,000	19,770	25,04,300	7,38,210	32,42,510
Total for New Works and Repairs...	5,00,000	...	5,02,500	16,700	14,94,200	...	15,75,000	...	12,25,300	19,85,620	39,500	1,16,400	53,36,500	21,18,720	74,55,220
Part IV.—Establishments ..	....	...	....	...	....	...	....	...	......	....	......	......	16,77,700	3,33,010	20,10,710
Part V.—Tools and Plant...	....	...	....	...	....	...	....	...	......	....	......	......	1,50,000	23,900	1,73,900
Part VI.—Madras Irrigation and Canal Company—State Outlay ...	....	...	....	...	....	...	....	...	......	....	......	......	55,800	....	55,800
Do. Railways—State Outlay ...	....	...	....	...	....	...	....	...	......	....	......	......	2,72,000	....	2,72,000
Grand Total...	5,00,000	...	5,02,500	16,700	14,94,200	..	15,75,000	...	12,25,300	19,85,620	39,500	1,16,400	74,92,000	24,75,630	99,67,630

NEW WORKS.

43. On examining the lists of New Works, Imperial, for which funds are allotted in the outgoing Budget, the Government observe that the estimates for those noted below have not yet been sanctioned:—

MILITARY.

(1.) *Bangalore.*—Buildings to accommodate an additional Regiment of Native Infantry.
(2.) *Do.*—Drinking Water scheme from the Ulsoor Tank and Dhobies' Wells. Revised.
(3.) *Do.*—Quarters for Hospital Serjeants attached to pavilion already built on the Race Course.
(4.) *Do.*—School-room for adults. Infantry.

CIVIL BUILDINGS.

(5.) *Presidency.*—Lunatic Asylum. (Supplemental.)
(6.) *North Arcot.*—Vellore Central Jail. (Supplemental.)
(7.) *Madura.*—Preservation of Teroomalay Naick's Palace.

COMMUNICATIONS.

(8.) *Vizagapatam.*—Constructing roads and clearing jungle in the Jeypore country.

AGRICULTURAL, EXTRAORDINARY.

(9.) *Ganjam.*—Rooshkoolia Project.
(10.) *Godavery.*—Western Delta Project.
(11.) *Do.*—Eastern Delta do.
(12.) *Kistna.*—Extension of the Commamoor Channel. (Revised.)
(13.) *Do.*—Widening the head of the Masulipatam Canal. (Revised.)
(14.) *Chingleput.*—Madras Water Supply Project. (Revised.)
(15.) *Tanjore.*—Cauvery and Vennaur Head Works.
(16.) *Madura.*—Perryaur Project.

44. The estimate for the fifth work is now before the Government of India, and that for the sixth should be at once submitted.

45. As regards the second, third and fourth items, the two latter of which have been proposed by His Excellency the Commander-in-Chief, the Government of India will be specially requested to allow the provision in each case to stand, on the distinct understanding that no expenditure shall be incurred till the plans and estimates of the proposed works have received the sanction of the Right Honourable the Governor-General in Council.

46. With respect to Item seven it will be explained to the Government of India that a distinct estimate has been sanctioned for the work to be undertaken from the current year's grant of Rupees 10,000, and that the same course will be followed before outlay is permitted to be incurred from future annual allotments.

47. Adopting the policy of concentrating troops in large Military stations, His Excellency in Council has resolved upon locating another Regiment of Native Infantry at Bangalore. With a view to carrying out this arrangement Rupees 40,000 have been allotted for a commencement being made with the requisite buildings—Item one. No outlay should however be incurred till the plans and estimates have received the sanction of the Governor-General in Council, to whom they will have to be submitted in accordance with paragraph 56, Section I., Chapter XVI., of the Code of the Government of India.

48. In their orders on the current year's Budget, the Government of India observed that some limit of expenditure should be placed on the officer concerned in regard to each item of work to be undertaken from the grant for the construction of roads and clearing of jungle in the Jeypore country (Item No. eight above). This was referred for the opinion of the Superintending Engineer of the 1st Division, who now reports that the preparation of surveys and estimates for the road to connect Jeypore with the Vizagapatam District, by the Pachipentah Ghaut, on which the Budget allotment of Rupees 10,000 is proposed to be expended, cannot be undertaken till the hot weather sets in, the country being too feverish to admit of any survey party proceeding there at this time of the year. Major Fischer will take measures for obtaining and submitting the required estimate before permitting expenditure to be incurred in 1871-72.

49. In pursuance of the orders communicated in paragraph 4 of the Circular of the Government of India of the 14th October 1869, No. 90, a separate report will be made to that Government with reference to the Extraordinary Agricultural Works which appear in the outgoing Budget without sanctioned estimates, original, supplemental, or revised.

50. In paragraph 28 of their orders* on the current year's Public Works Budget, the Government of India, in drawing attention to the circumstance of several of the Local Fund works on which outlay was proposed having no sanctioned estimates, observed that it appeared just as objectionable to allow this in the case of Local Funds as in the case of Imperial, and expressed a hope that this Government would take steps for stopping the practice. Subsequently, the Controller of Public Works Accounts suggested that the orders of the Government of India, No. 90, dated 14th October 1869, under which no appropriations can be made in the Budget to Imperial works, the estimates for which have not previously been sanctioned by competent authority, be declared applicable to Local Fund works of all classes. This suggestion was referred to the Revenue Department in paragraph 7 of Public Works Proceedings of the 12th July 1870, No. 1,674, and the attention of that department will now again be drawn to the subject, with reference to the large number of unsanctioned Local Fund works which are entered in the Board's General Budget for 1871-72. These remarks apply equally to the Port and Educational Fund Budgets, and the subject will accordingly receive consideration in the Educational and Marine Departments.

REPAIRS.

51. Superintending Engineers are requested, in all future Budgets, Part III., to note the mileage of each Imperial road for which a maintenance grant has been sanctioned, or is proposed for the first time. The reply of the Acting Superintending Engineer of the 1st Division, to G. O., No. 2,683, dated 9th ultimo, having been received after the Budget was closed, the amount (Rupees 2,615) allotted in Part III for repairs to timber bridges in Ganjam will be disposed of by Government after the 1st April next.

52. Separate provision will be found in Part III. of the outgoing Budget under "Military" and "Civil Buildings" for charges on account of house-rent and compensation for inferior quarters. The Government desire it to be distinctly understood that Superintending Engineers have no authority to appropriate these grants to any other purpose than that for which they have been specifically allotted

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* Recorded in G. O., Public Works Department, No. 813, dated 18th March 1870.

53. Looking to the demands* for repairs to Civil Buildings made for the various districts, and comparing those demands with the actuals† of the four past years, the Government are not only disposed to regard the applications of the Superintending Engineers under this head as excessive, but are inclined to the belief that some reduction is possible in the assignments for 1871-72. The Superintending Engineers will accordingly be requested carefully to scrutinize the details of past expenditure, and, with the aid of the information thus obtained, to report to Government the smallest sum which, in their opinion, will suffice to meet the *ordinary* requirements of each district. In this estimate, charges on account of rent and compensation for inferior quarters should be excluded, and care should be taken to see that the amount applied for in each District is no more than can be readily and advantageously utilized by the officers of the department.

*Rs. 1,25,970 in the aggregate, exclusive of rents.

†	RS.
1866-67	96,920
1867-68	1,01,434
1868-69	84,073
1869-70	1,04,081

Note.—The expenditure in the year 1869-70 includes an outlay of Rupees 25,852 on special repairs to Government House, Madras.

54. The funds that will be at the disposal of the Local Public Works Officers for expenditure on the 1st April next are noted below:—

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.	Tools and Plant, Imperial and Local.	Total.
Ganjam	87,400	2,000	2,280	96,418	990	1,89,088
Vizagapatam	1,05,830	1,800	...	72,264	1,070	1,80,964
Godavery	7,99,050	7,400	4,000	2,22,785	3,800	10.37,035
Kistna	3,84,430	6,000	4,270	1,55,050	6,460	5,56,210
Nellore	1,92,440	5,900	1,200	1,26,362	1,870	3,27,772
Cuddapah	11,000	5,000	...	1,79,280	1,160	1,96,440
Kurnool	1,01,800	3,400	...	72,287	1,580	1,79,067
Bellary	1,82,020	8,000	...	2,06,925	2,050	3,98,995
Presidency	68,000	4,800	...	1,22,000	100	1,94,900
Chingleput	2,50,240	7,400	...	2,37,871	1,620	4,97,131
North Arcot	1,14,600	7,200	17,500	2,17,390	2,045	3,58,735
South Arcot	1,49,750	6,800	...	2,44,797	1,900	4,03,247
Salem	15,040	2,800	...	87,520	720	1,06,080
Bangalore	87,360	3,500	...	43,945	25	1,34,830
Tanjore	4,11,390	11,200	...	2,74,778	3,780	7,01,148
Trichinopoly	40,840	5,700	...	1,57,603	1,500	2,05,643
Coimbatore	15,900	4,100	...	1,62,470	2,700	1,85,170
Neilgherries	53,200	2,050	...	45,120	1,780	1,02,150
Malabar	1,50,740	3,850	17,710	1,21,070	1,670	2,95,040
Wynaad	83,800	500	...	49,950	750	1,35,000
South Canara	30,360	1,100	7,010	52,375	1,990	92,835
Madura	2,24,900	4,000	...	1,08,180	2,140	3,39,220
Tinnevelly	2,65,450	9,000	1,700	1,86,070	2,200	4,64,420
General Superintendent of the Public Works Store Department	...	...	...	...	30,000	30,000
Total...	38,25,540	1,13,500	55,670	32,42,510	73,900	73,11,120

Proceedings of the Madras Government, Public Works Department, 15th December 1870.

55. The following is a statement of the estimated outlay from guaranteed and loan capital :—

		RS.
Madras Railway		27,04,000
Great Southern of India Railway		20,70,300
Carnatic Railway		9,03,000
Madras Irrigation and Canal Company		3,94,336
		60,71,636
Deduct—		
Madras Railway—estimated receipts from sale of stores, etc., to be credited to Capital	13,20,000	
Great Southern of India, do. do.	1,90,000	
Canatic Railway, do. do.	2,59,000	
Madras Irrigation and Canal Company, do. do.	5,000	
		17,74,000
		42,97,636

56. With these remarks, the Public Works Budget for the ensuing year will be forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
To Superintending Engineers.
,, Major R. B. Kennedy.
To the Controller of Public Works Accounts.
,, Consulting Engineer for Railways.
,, Do. do. for the Madras Irrigation and Canal Company.
,, General Superintendent of Public Works Stores and Workshops.
To Mr. R. Smith, Executive Engineer on special duty.
To the Public, etc., Departments.
,, Revenue Department.
,, Military do.
,, Board of Revenue.
,, Master Attendant.
,, Director of Public Instruction.
,, Inspector-General of Police.
,, Accountant-General.

Exd. E C. Shunker.

No 2219

Superintending Engineer's Office 1st Divn
Dowlaishweram 30th September 1870.

From.

Major J. H. Fischer R.E.
Acting Superintending Engineer
1st Division.

To.

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

Sir,

I have the honor to submit my Budget Estimates as per Margin for the ensuing Official year.

The amounts required for each of the 3 2 Districts comprising this Division on Account of original Works, Minor New Works, and Repairs under the five Budget Heads are shewn in the annexed Abstract.

District	Heads of Service	Military	Civil Buildings	Agricultural	Communications	Misc. Improvements	Total	Grand Total for each District
Ganjam	Original Works	..	45253	50,000	284,999	3,800	384,052	4,64,335
	M. N. Works	500	500	5,000	1000	..	7,000	
	Repairs	920	4,000	22,500	45,263	..	72,683	
	Tools and Plant						600	
Vizagapatam	Original Works	..	108,881	8,312	295,374	1,098	4,13,665	472,889
	M. N. Works	1,000	1,000	4,000	1,000	..	7,000	
	Repairs	8,160	2,600	10,000	29,664	1,200	51,624	
	Tools and Plant						600	
Godavery	Original Works	.	1,53,419	6,13,490	1,76,800	..	9,43,709	13,29,213
	M. N. Works	.	1,000	15,000	1,000	..	17,000	
	Repairs	.	5800	2,00,000	22,504	15,200	2,43,504	
	Tools & Plant						1,25,000	
								22,66,437

3 The demand for original Works in each District, it will be seen, is more than the grant provided in the Current year's Budget, but the excess is chiefly due to "Agricultural Extraordinary Works", "Trunk Road improvements", "Navigable Canals", and "Subsidiary Jail Buildings", for which large sums have been provided in the Budget, and these sums I believe will be fully and advantageously spent in the ensuing year if made available at its commencement.

4. The sums proposed to be spent under the Head "Minor New Works" for the Ganjam and Vizagapatam Districts, are in excess of the Grants provided in the Current year's Budget for the purpose, while those for Godavery are almost the same as those given in the Current year. The demands under the Head "Agricultural" in the Ganjam and Vizagapatam Districts are numerous and it is therefore requested that the proposed sums for the same may be allotted in full.

5 The assignment for "Repairs" is increased and the necessary explanation in each case will be found in part III where such additions are made.

6 Under the Head "Tools and Plant" for the Godavery District, the large sum of Rs 125,000 is entered and this provision is necessary to meet the cost of a new Steamer and other Plant, the want of which will be greatly felt when all the Extraordinary Agricultural Works in the Deltas are put in hand. This item has been entered for one District, but in the event of "Loan Works" progressing in the other Districts of the Division, transfers can be made from time to time as required.

I have the honor to be
Sir
Your Most Obedt Servt

Mullins Major R.E.
Acting Superintending Engineer 1st Divn.

No 302

[illegible] 19 Dec.

No. 3954

The Actg. Supdg. Engineer
1st Division

To the Secretary to Govt.
D.P.W.
Madras

Dated 30th September 70.
Despd. 1st October
Recd.: —
Enclosures 8
Forwards Budget
Estimates for the ensuing
Official year 1871-72
with observations.

No. 3044 15 Dec/70

15

List shewing the sums to be contributed by Government from Imperial funds being a moiety for bridging Irrigation channels which cross District Fund Roads.

14

Road.	Amount of Estimate	Amount to be contributed from Imperial.	Remarks.
Several District Fund Roads.	"	29,161	Sanctioned in G. O. No [illegible] April/70.
Road from Nandavilly Lock to Peravilly	18,200	1,569	G. O. No 28 of 5th Jany/70.
Do from Peravilly to Vijiaswarum	34,600	3,005	G. O. No 2774 of 24th August 1869.
Masonry works on Roads from Allivoor to Thapaswerum and from Ramachendrapoor to Riccavole	27,800	13,900	G. O. No 2969 of 9th Septr 1869.
Chintalapoody Road	120,000	5,855	Application already made to the Board thro' Collector.

Total Rs 53,490

Dowlaishwerum
30th Septr 1870

[illegible] Major RE
Acting Supg. Engr. 1st Dn.

Godavery District
Part II
Detail of Estimate for original works for 1871/72

Ex. Division	Project			Amount of Estimate	Computed expenditure upto 31st March 1871	Amount of Estimate for 1871/1872	Remarks or references
	No	Locality	Description				
			Civil Buildings				
	1	Rajahmundry	Central Jail	353,263	341,956	11,307	Budget of 1870/71 Item No. 41.
	2	Almoor	Subsidiary buildings	3,340	2,244	1,096	Estimate was sanctioned in G. O. No. 1854 dated 7th June-/69 Work nearly completed.
	3	Sevacode	Sub Magistrates Cutcherry	7,300	572	6,728	Estimate was forwarded with letter No 4356 dated 16th March 1870
	4	Kottapetta	Improvements to Do	4,040	162	3878	Estimate was sanctioned in G. O. No. 85 dated 17th June 1870.
	5	Rajahmundry	Thasildars Cutcherry	20,000	2,460	10,000	Estimate was sanctioned in G. O. No. 1604 dated 15th May 1869.
	6	Tanaku	Do Do	21,240	38	10,000	Estimates &c were sanctioned in G. O. No. 2150 dated 2nd July 1869
	7	Nursapoor	Do Do	22,440	594.	10,000	
	8	Bhemavaram	Do Do	22,561	"	10,000	
			Carried forward			63,009	

Godavery District
Part II
Detail of Estimate for original works for 1871/72

Ex. Division	Project No	Project Locality	Project Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or references
				Brought forward		63009	
	9	Peddapoor	Thasildars Cutcherry	22,560	6980	10,000	Estimate was sanctioned in G. O. No 2147 dated 2nd July 1869. Cutcherry and Jail are up to basement and the walls of Hospital shed are raised nearly to full height. Doors and windows are made up.
	10	Raghoodavapuram	Subsidiary Jail	7,100	0	7,100	Estimate was sanctioned in G. O No 2032 dated 22nd June 1869
	11	Pruttipad	Sub Magistrates Cutcherry	12,300	0	6,000	Estimate was sanctioned in G. O. No 3003 dated 13th September/69
	12	Cocanada	Press Office attached to Collectors Cutcherry	3,230	0	3,230	Estimate was sanctioned in G. O No 2389 dated 22nd July 1869
	13	Coringa	Sea Custom House	7,270	0	7,270	Estimate was sanctioned in G. O. No 3424 dated 23rd Nov May 1863.
	14	Penugudurru & Moguther	Improvements to Salt Works	11,810	0	11,810	Funds have been applied for as ordered in G. O. No 1217 dated 13th April 1869, but not granted. See G. O. No 1767 of 29th May/69 para 15
				Carried forward		108419	

Godavery District
Part II
Detail of Estimate for original works for 1871/72

Ex. Division	Project No	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or references
					Brought forward	108419	
	15	P[illegible]apoor	Submagistrates Cutcherry	12,300	0	6,000	Estimate was forwarded with letter No 4298 dated 10th March 1870
	16	Toonee	Subsidiary Buildings	12,300	0	6,000	Estimate forwarded with letter No 3955 dated 14th February 1870
	17	Rajahmundry	House for Supt. of Jail	"	"	6,000	Entered as ordered in G.O. No 47 dated 10th August 1870
	18	Ellore	Thasildars Cutcherry	"	226	2,000	Estimates &c. are under preparation
	19	Pentapad	Submagistrates Cutcherry	"	422	5,000	
	20	Pedda Potavaram	Thasildars Cutcherry	"	"	5,000	
	21	Thallapoody	Submagistrates Cutcherry	"	"	5,000	
	22	Chintalpoody	Do	Do	"	5,000	
					Carried forward	148,419	

Godavery District

Part II

Detail of Estimate for original works for 1871/72

Ex. Division	Project No	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or references
					Brought forward	1,48,419	
	23	Rajahmundry	Sub Magistrates Cutchery			5,000	Estimate is delayed for want of the Plan referred to in G. O. No 1789 dated 1st June 1869
					Total Civil Buildings	1,53,419.	
			Agricultural				
	24	Ellore Canal	Extension of Irrigation	2,49,500	96,531	1,00,000	Budget of 1870/71 Item No 77 Estimate &c. were forwarded with letter No 2104 dated 19th September 1870
	25	Western Delta	Do. —— Do.	9,90,300	1,33,573	2,00,000	Budget of 1870/71 Item No 78 Estimate &c. were forwarded to Govt. with this Office letter No 2104 dated 19th September 1870
					Carried forward	3,00,000	

Godavery District

Part II

Detail of Estimate for original works for 1871/72

Ex: Division	Project No	Locality	Description	Amount of Estimate	Computed expenditure upto 31st March 1871	~~Amount of~~ Estimate for 1871/1872	Remarks or references
					Brought forward	300,000	
	26	Eastern Delta	Extension of Irrigation	12,16,300	55,128	2,00,000	Estimates &c. were forwarded to Govt. with letter No. 675 dated 4th June 1870
	27	Central Delta	Do. of Do.	"	"	10,000	Surveys &c. are nearly ready and will be submitted shortly
	28		Cutting a Channel from Ellore Canal to Wyaru including Masonry works	84,630	0	50,000	Estimate was forwarded with letter No. 1637 dated 13th August 1870 Should this Item be included in the Project for "Extension of Irrigation from Ellore Canal" as requested in this Office letter No. 2104 dated 19th Sept. 1870 it need not be entered in the Budget as a separate one
	29		Amount to be contributed by Govt. from Imperial funds on account of Bridges over I. Chls. crossing District fund Roads	"		53,490	Vide List attached
					Total Agricultural	613490	

Godavery District
Part II
Detail of Estimate for original works for 1871/72

Ex. Division	Project No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or references
			Communications				
	30	J	Trunk Road No. 6 from Ellore to Toonee	9,15,800	0	1,50,000	Estimate &c. were forwarded to Govt. with letter No. 962 dated 23rd June 1870. —
	31	J	Road from Peddapur to Jaggumpetta	26,800	0	26,800	Estimate was sanctioned in G. O. No. 1882 dated 9th June /69. Work was commenced this year (1870/71) Rs. 10,000 having been allotted for the same from District Road funds to be repaid from Imperial funds hereafter
			Total Communications			1,76,800	
			Grand Total			943,709	

Minor New works below 500 Rupees

Military	Civil 13	Agricultural	Communications	Main & Improvt.	Total
0	1,000	15,000	1,000	0	17,000

Supg. Engrs. Office 1st Division
Dowlaishwaram 30th Sept. 1870

Geo: F. Tucker Major R.E.
Ag: Supg: Engineer 1st Division

Godavery District

Part II

Detail of Estimate for original works for 1871/72

Ex. Division	No	Locality	Project Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/72	Remarks or references

[illegible]

No. [illegible]

No. 3954/70

Procgs. Decr/70 No. 302

5 Enclosure in a letter

No. 2219 dated 30 Septr/70

from the Supg Engineer

1st Division to the

Secretary to Government

D.P.W.

Ganjam District
Part II

Detail of Estimate for original works for 1871 & 72

Ex. Division	Project No.	 Locality	 Description	Amount of Estimate	Computed Expenditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
			Civil Buildings				
	1	Chicacole	Converting Jail in Taluq Cutchery	7,360	4,500	3,360	Estimate sanctioned in G. O. No 1910 dated 11th June 1869. Most of the work has already been completed.
	2	Berhampr	Taluq Cutchery	12,400	3,170	9230	Estimate was forwarded to Govt. with this Office No 2281 dated 18th Sept. 1869 but not yet sanctioned. Part of the work has already been completed –
	3	Russelcondah	Subsidiary Jail	6,900	4,370	2,530	Estimate was forwarded to Govt. with this Office No 4295 of 10th March/70 but not yet sanctioned. Most part of the work has already been completed
	4	Aska	Do. Do.	39,70	1,649	2,321	Do. Do. Do.
	5	Soorada	Do. Do.	3,900	296	3,604	Estimate was forwarded with this Office letter No 4295 dated 10th March 1870
					Carried forward	21,045	

Ganjam District
Part II
Detail of Estimate for original works for 1871 & 72

Ex: Division	Project No.	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
					Brought forward	21,045	
	6	Ragoonadpur	Subsidiary Jail	3,870	400	3,470	Estimate sanctioned in G. O. No. 1971 dated 16th June 1869
	7	Poorshotapur	Do. Do.	2,590	498	2,092	Estimate sanctioned in G. O. No. 2588 dated 6th August 1869
	8	Sompetta	Lower Deputy Thasildar's Cutchery	5240	1,786	3,454	Do. Do. Do. in Do. The walls of the main Buildge have been built to nearly full height.
	9	Russelcondah	Hill Jail	9,880	0	6,000	Estimate sanctioned in G. O. No. 1685 dated 21st May 1869. The execution of the work is very much required by Jail authorities
	10	Maliahs	Sub magistrates Cutchery and Subsidiary Jail	8,560	0	6,900	This sum is entered at the request of the Collector
	11	Bavanapad	Sea Custom House	2,750	458	2,292	Budget of 1869/70. Item No. 72.
					Total Civil Buildings	45253	

Ganjam District
Part II
Detail of Estimate for original works for 1871 & 72

Ex: Division	Project No.	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
			Agricultural				
	12		Roosh-Koolia Project	"	"	50,000	Budget of 1870/71 Item No 75
				Total Agricultural		50,000	
			Communications				
	13		Trunk Road No 6 from Chicacole to Bengal frontier	5,84,700	0	100,000	Estimate &c were forwarded with letter No 1371 dated 26th July 1870
	14		Road from Aska to Russelconda via Bullepadra Vishnacheckram and Belloogoonta on the Northern Bank of Mahanuddi River	46,170	44,029	2,141	Revised Estimate was sanctd. in G.O. No 2008 dated 21st June 1869. The completion of the work was delayed a long time for want of funds
				Carried forward		1,02,141	

Ganjam District
Part II
Detail of Estimate for original works for 1871 & 72

Ex: Division	Project			Amount of Estimate	Computed Expenditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
	No.	Locality	Description				
				Brought forward		102141	
	15		Road from Nowpadah to Vizagapatam frontier via Jugganadapoor	12,000	0	10,000	Estimate was sanctioned in G.O. No 3747 dated 24th November 1869. The revenue Authorities are very anxious to have these improvts made for the convenience of salt Traders
	16		Road from Chicacole to Palcondah & Parvatipur	14,140	0	10,000	——Do——Do——Do——
	17		Road cross the swamp to the Soorla plat form	26,030	0	10,000	Estimate was forwarded to the Collector with this Office letter No 1449 dated 2nd August/70. The Dy: Collector in charge Salt Dept: says that if this road be made the salt sales will increase & return the cost of the work within a few years, see G.O. No 1261 dated 15th Augt 1870
	18		Renewing & improving masonry works on the road from Aska to Russelcondah via Tingoopur	3,760	0	3760	Estimate &c will be submitted to Govt shortly prepared in the form as pointed out in G.O. No 1977 of 18th Augt 1870
				Carried forward		135901	

Ganjam District
Part II

Detail of Estimate for original works for 1871 & 72

Ex: Division	Project			Amount of Estimate	Computed Ex:penditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
	No	Locality	Description				
					Brought forward	135,901	
	19	Maliahs	Completing Road from Baliguda to Buduguda (about 15 Miles)	"	"	5,805	These sums are entered at the request of the Collector
	20	Do	Do from Charakum to Baminagam (about 9 Miles	"	"	1,293	
	21	Do	New Bridges		.	2,000	
	22	Ganjam	Canal from Chilka Lake to the Ganjam River	161,110	82993 83,393	40,000	Budget of 1869/70 Item No 412
	23	Gopalpur	Extending Chilka Canal to Gopalpoor	172,500	0	50,000	The Estimate re were generally approved of by Govt.: but ordered to lie over until the appropriations for the Budget of the next year are brought under discussion. See G.O. No 3216 dated 6th October 1869.
					Carried forward	234,999	

Ganjam District
Part II
Detail of Estimate for original works for 1871 & 72

Ex: Division	Project No.	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March, 1871	Amount of Estimate for 1871 and 72	Remarks or References
				Brought forward		2,34,999	
	24		Channel Cutting, a Navigable Canal Commencing at Doyagam on the proposed Rooshikoolia Canal & terminating at a salt water creek opposite Ganjam	287500	0	50,000	Estimates &c were forwarded to the Chief Engr. for Irrigation with letter No 1123 dated 4th July 1870. No orders sent yet.
				Total Communications		2,84,999	
			Mis: P. Improvements				
	25	Ganjam	Improvements to the Town	13,000	9200	3800	Estimate was sanctioned in G.O. No 1023 dated 29th March 1869. Most part of the work has already been completed
				Total Mis: P. Improvements		3,800	
				Grand Total		3,84052	

Minor new works below 500 Rupees

Military	Civil. B	Agricul	Comm:	Mis: P. Impts.	Total
500	500	5,000	1,000	"	7,000

Supg: Engrs Office 1st Division
Dowlaishwarum 30th Sept. 1870

Major R.E.
Ag: Supg. Engineer 1st Division

Ganjam District
Part II

Detail of Estimate for original works for 1871 & 72

Ex: Division	Project			Amount of Estimate	Computed Expenditure up to 31st March 1871	Amount of Estimate for 1871 and 72	Remarks or References
	No.	Locality	Description				

II

Ganjam
No 395/4/c
Reg. No 170 L 502
Enclosure to letter
No 2249 dated 7th February
from the Superintending
Engineer 1st Division
to the Secretary to
Government D.P.W.

Ganjam District
Part IV Repairs
Detail of Estimate for Repairs for 1871/72

	Estimate for 1871/72		Estimate for 1870/71		
	Amount	Total	Amount	Total	
Military					
Berhampur Minor Reps. to Buildings Not Exceeding 2500 Rupees Each	600		600		
Cantonment Roads	120		120		
House rent for Medical Subordinates	200		0		Entered in accordance with instructions conveyed in G.O. No 2188 dated 12th Septr 1870
		920		720	
Civil Buildings					
Minor repairs to Revenue &c Buildings	2,500		2,000		This sum is absolutely necessary to meet the demands
Do. to Police Stations	400		400		
Do to Buildings in Maliahs	500		500		
House rent for Medical Subordinates on Civil duty	600		0		Entered in accordance with instructions given in G.O. No 2188 of 12th September 1870
		4,000		2900	
Agricultural					
Repairs to Irrigation Canals, Tanks, Dykes, and Drainages	22,500		22,500		
		22,500		22500	
Communications					
Portions of great Northern Road from Madras to Bengal Frontier	16950		16950		
Carried forward	16950	27420	16950	26120	

Brought forward	16950	27420	16950	26120	
Road from Gopalpur to the North Western Frontier via Berhampur, Aska and Russelcondah	12,176 ✓		12,176 ✓		
Roads in the Khond Maliahs in Ganjam & thence to Soorada in the low Country	5,200 ✓		5200 ✓		
Road from Nowpadah to the Vizagapatam frontier via Jugganadapur	2760 ✓		2760 ✓		
Road from Nowpadah to Teckally	600 ✓		600 ✓		
Do from Chicacole to Calingapatam	2,380 *		3,030 ✓		* These reduced grants are recommended by the Ex: Engr: on Special duty in Ganjam; as the Roads are now in very fair order
South Approach to Chicacole Bridge	130 *		230 ✓		
Road connecting Beersolah on Trunk Road No 6 with the port of Gopalpoor	912		612 ✓		An extra grant of Rs 300 is required to keep the road always in Good order as required by the Revenue Dept.
Do from Chicacole to Palcondah and Parvatipoor	3,153 ✓		3,155 ✓		
Travellers Bungalows	1,000 ⊕		400 ✓		⊕ This sum is very much required to meet the cost of some urgent repairs to Bungalows.
		45263		45133	
Mis: P: Improvements			100		
		0		100	
Tools and Plant	600		200		
		600		200	
Extraordinary — Ordinary					
— 0 — New supplies — Repairs					
— 200 — 400					
Total		73283		71,553	

Supg: Engrs Office 1st Div.

4815
45263
4557

List showing the sums to be Contributed by Government from Imperial Funds being a moiety for bridging Irrigation channels which cross District Fund Roads.

Road.	Amount of Estimate	Amount due contributed from Imperial.	Remarks.
Road from Chodavaram to Anakapilly	47,000	1169	
Branch road from Subbaram via Addum to Anakapilly & Chodavaram Road	32,600	496.	
Road from Anakapilly to Moonagapaka and from Moonagapaka to Poodimadaka	40,600	3,490	
Road from Ramabhadrapuram to Pachipenta	41,730	552	
Do from Vizianagram to Gajapatinagram	38,480	2,605	
		8,312	

Dowlaishweram
30th Septr 1870

Major R.E.
Acting Supg Engr 1st Dn

MW 3954/70
Pro. 15 Decr 70 No. 302
Enclosure in a letter
No. 2219 dated 30th September /70
from the Supg Engineer
1st Division to the
Secretary to Govt. P.W.D.

Vizagapatam District
Part V
Detail of Estimate for original works for 1871/72

Ex. Division	No.	Project Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or References
			Civil Buildings				
	1	Waltair	Lunatic Asylum	60,316	51,157	1,759	Budget of 1870/71 Item No 21. A saving of Rs 7400 will be effected from the Total Estimated cost viz. Rs. 60316, consequently Rs 1759 only have been applied for for next year. 1870 Rs 2015
	2	Vizagapatam	Zillah Jail	80,554	75,755	4,799	Estimate was sanctioned in G. O. No. 2544 dated 8th June/68, and, work most part completed
	3	Chodavaram	New Subsidiary Jail	10,840	9,874	966	Budget of 1870/71 Item No 39 most part of the work has been completed
	4	Yellamanchilly	Talug Cutcherry	18,780	8,929	9,860	Estimate was sanctioned in G. O. No 1119 of 6th April 1869. Work most part finished
					Carried Forward	17,384	

Vizagapatam District

Part II

Detail of Estimate for original works for 1871/72

Ex. Division	Project No.	Project Locality	Project Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or References
					Brought forward	17384	
	5	Bobbily	Subsidiary Jail	3,370	2,846	524	Estimate was sanctioned in G. O. No. 1119 dated 8th April 1869. Work nearly completed
	6	Parvatipur	Do. Do.	7,000	2,838	4,162	Estimate was sanctioned in G. O. No. 3005 dated 13th September 1869. Part of work has already been completed
	7	Bimlipatam	Sub Magistrates Cutcherry	9,430	1,895	7,535	Estimate sanctioned in G. O. No. 1271 dated 17th April 1869. Walls of main Building and Latrine have been raised 6 to 7 feet high, of cook room about 4 feet.
	8	Vizianagram	Dy. Thasildars Cutcherry	9,120	5,628	3,492	Estimate was sanctioned in G. O. No. 932 dated 20th March 1869. Walls raised nearly to full height.
	9	Sroongarapucota	Sub Magistrates Cutcherry	3,760	2,329	1,431	Estimate was sanctioned in G. O. No. 2312 dated 20th July 1868. Work most part completed
					Carried forward	34,528	

Vizagapatam District

Part II

Detail of Estimate for original works for 1871/72.

Ex. Division	Project No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/72	Remarks or Refce. as
					Brought forward	34,528	
	10	Gajapaty Nagrum	Subsidiary Jail	4,260		4,260	Estimate sanctioned in G.O. No. 1119 dated 5th April 1869.
	11	Palcondah	Do. Do.	3,070		30,70	Do. Do.
	12	Gunupur	Do. Do.	2,780	0	2,780	Do. Do.
	13	Salur	Do. Do.	4,700	0	4,700	Estimate sanctioned in G.O. No. 1835 dated 7th June /69
	14	Purvatipur	Senior Asst. Collectors Cutcherry	3,800	0	3,800	Estimate sanctioned in G.O. No. 2824 dated 31st Augt./69
	15	Jeypur	Quarters for Asst. Apothecary and Dresser	7,670	0	7,670	Estimate sanctioned in G.O. No. 285 dated 29th January 1869
	16	Kottapad	Submagistrates Cutcherry &c.	11,675	0	20,000	Estimates sanctioned in G.O. No. 3005 dated 13th September 1869.
	17	Mahadariputty	Do. Do.	11,675			
	18	Nundapur	Do. Do.	11,675			
	19	Nowrungapur	Do. Do.	11,675			
					Carried forward	80,808	

Vizagapatam District

Part II

Detail of Estimate for original works for 1871/72.

Ex. Division	Project			Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/72	Remarks or Reference as
	No.	Locality	Description				
					Brought forward	34,528	
	10	Gajapaty Nagrum	Subsidiary Jail	4,260		4,260	Estimate sanctioned in G. O. No. 1119 dated 6th April 1869.
	11	Palcondah	Do. Do.	3,070		3,070	Do. Do.
	12	Gunupur	Do. Do.	2,780	0	2,780	Do. Do.
	13	Salur	Do. Do.	4,700	0	4,700	Estimate sanctioned in G. O. No. 1838 dated 7th June/69
	14	Purvatipur	Senior Asst. Collectors Cutcherry	3,800	0	3,800	Estimate sanctioned in G. O. No. 2824 dated 31st Oct./69
	15	Jeypur	Quarters for Asst. Apothecary and Dresser	7,670	0	7,670	Estimate sanctioned in G. O. No. 285 dated 29th January/69
	16	Kottapad	Submagistrates Cutcherry &c.	11,675	0	20,000	Estimates sanctioned in G. O. No. 3005 dated 13th September 1869.
	17	Mahadavipatty	Do. Do.	11,675			
	18	Nundapur	Do. Do.	11,675			
	19	Nowrungapur	Do. Do.	11,675			
					Carried forward	80,808	

Vizagapatam District
Part II
Detail of Estimate for original works for 1871/72

Ex. Division	Project No	Project Locality	Project Description	Amount of Estimate	Imputed expenditure up to 31st March 1871	Amount of Estimate for 1871/1872	Remarks or Ref
			Brought forward			80,808	
	20	Rayagadda	Subsidiary Jail	7,000	0	7,000	Estimate was forwarded to Govt. for sanction with letter No 3282 dated 18th Septr./69
	21	Parvatipur	Hill Jail	22,250	0	10,000	Estimate was forwarded with letter No 345 dated 26th February/69 thro' Inspector General of Jail
	22	Yellamanchelly	District Moonsiff's Court	3710	0	3,710	Estimate sanctioned in G.O. No 1880 dated 31st Augt/64. The early commencement of this work is very much required by the Judicial Department.
	23	Vizianagram	D° D°	3,680	0	3,680	D° D° D°
	24	Vizagapatam	Post Office	4,030	347	3,683	Estimate forwarded with letter No 2171 dated 26th Septr 1870
			Total Civil Buildings			1,08,881	

Vizagapatam District

Part II

Detail of Estimate for original works for 1871/72.

Ex. Division	Project			Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/872	Remarks
	No.	Locality	Description				
			Agricultural				
	25		Amount to be contributed by Govt. from Imperial funds on account of Bridges over Irrigation Chals. crossing District fund Roads			8,3 12	See list attached This sum is required to complete the Local fund Roads with all masonry works.
				Total Agricultural		8.312	
			Communications				
	26		Road from Vizagapatam to Cassipur	1,15,000	1,05,896	9.104	Budget of 1869/70 Item No 200. The amount now applied for is required to complete the work.
	27		Pettah Ghat Road			10,000	Budget of 1869/70 Item No 201
	28		Constructing Roads and Clearing Jungle in Jeypore Country		48,433	10,000	Do of 1870/71 Item No 109.
				Carried forward		29,104	

Vizagapatam District

Part

Detail of Estimate for original works for 1871/72.

Ex. Division	Project			Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/72	Remarks or References
	No.	Locality	Description				
					Brought forward	29,104	
	29		Trunk Road No. 6 from Tomee to Chuttivulsah	574,000	0	150,000	Estimates &c. were forwarded with letter No. 1372 dated 26th July 1870
	30		Road from Vizagapatam to Namulavulsah	43,160	0	15,000	Estimate was sanctioned in G. O. No. 1143 dated 8th April 1869
	31		Road from Ankapilly to Vizagaptam	35,000	0	15,000	Estimate was sanctioned in G. O. No. 3954 dated 18th December 1868.
	32		Road from Gumbheram near Namulavulsah to Bimlipatam	14,820	0	10,000	Estimate was sanctioned in G. O. No. 1490 dated 7th May 1869
	34		Road from Hurissa to Mulagadah	13,640	0	10,000	Estimate has already been forwarded to Govt. for sanction thro' Board of Revenue vide Boards Pro. No. 5574 dated 3rd September 1870
					Carried forward	229,104	

tered agricultural
in G. O. No. 2188
ed 12th September 1870

eased by Rs 400.
he present grant
not sufficient to
et the demands
hich will be in
eased.

tered as per G. O.
No. 2188 dated 12th Septem
870

This sum is required for next year, as the average yearly expenditure is above 10,000 Rupees

Vizagapatam District

Part

Detail of Estimate for original works for 1871/72.

Ex. Division	Project			Amount of Estimate	Computed expenditure up to 31st March 1871	Amount of Estimate for 1871/72	Remarks
	No.	Locality	Description				
			Brought forward			229,104	
	35		Clearing the jungle for the preparation of a survey of the Road to connect Jeypur with the Vizagapatam Dist. by the Pachipenta Ghaut			25,000	Ordered to be entered per G.O. No. 1846 dated 3rd August 1870
	36		Compensation for land taken up for Roads			41,270	Sanctioned in G.O. No. 612 dated 23rd February 1869
			Total Communications			295,374	
			Misc. P. Improvements				
	37		Construction of Master Attendant's Office with an upper story at Bimlipatam	4,460	3,362	1,098	Estimate was sanctioned in G.O. No. 235 dated 11th Feby. /69 work mostly completed
			Total Misc. P. Improvements			1,098	
			Grand Total			4,13,668	

Minor new works below 500 Rupees

Military	Civil B.	Agricul.	Comms.	Misc. P. Improvements	Total
1,000	1,000	4,000	1,000	0	7,000

Supg. Engrs. Office 1st Dn.
Dowlaishwaram 30th Sept. 1870

Major R.E.
Actg. Supg. Engineer 1st Division

Vizagapatam

No 39 5/4/70
From [illegible] Dated [illegible] 302
Enclosure in a letter
No 2219 dated 30 September 70
from the Superintending
Engineer 1st Division
to the Secretary to Govt
D.P.W. Madras.

Vizagapatam District
Part III Repairs
Detail of Estimate for Repairs for 1871/72

	Estt. for 1871/72		Estt. for 1870/71		
	Amount	Total	Amount	Total	
Military					
Vizagapatam Minor repr. to Buildings	1400		1,400		
Cantonment Roads	1750		1,750		
Vizianagram Minor repr. to Buildings	1700		1,700		
Cantonment Roads	310		310		
House rent for medical Subordinates	3000		—		Entered agreeably to orders in G.O. No 2188 dated 12th September 1870
		8160		5,160	
Civil Buildings					
Minor repairs to Revenue Buildings	1600		1200		Increased by Rs 400 as the present grant is not sufficient to meet the demands which will be numerous.
Police Stations	400		400		
House rent for medical Subordinates in Civil Employ	600		—		Entered as per G.O. No 2188 dated 12th Septer 1870
		2,600		1,600	
Agricultural					
Repairs to Irrigation Canals, Tanks Dykes and Drainages	10,000*		8500		*This sum is required for next Year, as the average yearly expenditure is above 10,000 Rupees
		10,000		8500	
Carried forward		20,760		15,260	

Brought forward	20760	15,260	
Communications			
Portion of great Northern Road from Madras to Bengal Frontier with a branch from Anakapilly to Vizagapatam	14,700	14,100	
Road from Vizagapatam to the Jeypore Country via Bimlipatam, Vizianagaram and Cassepur	1,114	5,414	Increased by Rs 700 for completed portion of Road from Vizianagaram to Bow-daram. Estimate will be for-warded when received from the Range Officer.
Pettah Ghat & other Roads in the Jeypore Zemindary	3,000	3,000	
Road from Chicacole to Palcondah and Purvatipur	2,950	2,950	
Road from Vizagapatam to Yemula-vulsah (portion of Road No 5)	3,000	3,000	
Travellers Bungalows	500	500	
	27,664	28,964	
Misc. P. Improvements			
Minor repairs below 2500 Rupees each	2200		The sum is not suffi-cient for paving streets Vizagapatam
Tools and Plant	1,200	300	This sum is not sufficient to meet the yearly De-mand &c
Extraordinary	600	200	
ordinary	600	200	
New supplies 200 — Repairs 400	600		
Total	32,224	44724	

Supg. Engrs Office 1st Div.
Dowlaishwaram 30th Sept. 1870

Major R.E.
Ag: Supg. Superintending Engr 1st Dn.

Vizagapatam

PW 3954/70
From ... Dept No. L 1302
Enclosure in a letter
No. 2219 dated 30 September 70
from the Superintending
Engineer 1st Division
to the Secretary to
Government D.P.W.

Godavery District

Part III Repairs

Detail of Estimate for Repairs for 1871/72

	Estimate for 1871/72 Amount	Estimate for 1871/72 Total	Estimate for 1870/71 Amount	Estimate for 1870/71 Total	
Civil Buildings					
Minor Repairs to Revenue &c Buildings	5,200		5200		
Police Stations	300		300		
House rent for medical Subordinates in Civil duty	300		0.		Entered as per order in G.O. No. 2188 of 12th September 1870
		5,800		5,500	
Agricultural					
Repairs to Irrigation channels, Tanks, Dykes, and Drainages	*200,000		146,000		This allotment is absolutely necessary as Govt. are aware that the demands under this head are numerous and is required to carry out repairs put off now for many years
		200,000		146,000	
Communications					
Portion of great Northern Road from Madras to the Bengal Frontier with a branch from Juggampetta to Cocanada	12,000		12,000		
Roads in Rumpah Country	5,000		5,000		
Dredging Channel Head	5,000		*2,500		*This sum is not sufficient for the purpose
		22,000		19,500	
	22000	207,800	19500	151,500	

Carried forward

[illegible]

PW 3957/70
Fwd. 15 Decr/70. L 2302
Enclosure in a letter
No. 2219 dated 30 Septr/70
from the Superintending
Engineer 1st Division
to the Secretary to Govt.
D.P.W.

Brought forward	22000	205800	19500	151500	
River improvements	or		2317		
Travellers Bungalows	504	22504	504	22321	
Mis: P: Improvements					
Repairs to Cocanada Harbour	15,000		7,635		This includes the chge. for Dredging—
Minor Repairs	200	15,200	200	7,835	
Tools and Plant	× 125,000		14,100		This sum is required to meet the cost for Steamers &c and moreover portion of the same will be available for Transfer to other Districts in the Division when required.
		125000		14,100	

Extraordinary — Ordinary

— 1,00,000 — New Supplies — Repairs

10,000 — 15,000

Total	368504	195756

Supg. Engrs. Office 1st Dn.
Dowlaishwaram 30th Sept. 1870

Major R.E.
Actg. Supg. Engineer 1st Division

Nellore District
Part II
Detail of Estimate for Original Works for 1871/72

Executive Ranges	No	Project Locality	Project Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	Remarks & references.
			Military **Nil**				
			Civil Buildings.				
4th or Northern Range	1	Ongole	Converting Ongole Old Taluq Cutcherry into District Munsiff's Court	2600	"	2600	G O No 99 of 19th August 1870
			Total Civil Buildings			2600.	
			Agricultural.				
1st or Nellore Range	1	Nellore	Improvements to the Survapully & Survapully Channel in connexion with the Pannair Anicut	4,20,060	288,822	80,000	Extraordinary G O No 3215 of 1868, & Nos 12 & 972 of 1869. G. I. No 7. A1 of 1868/69. Budget item 89 of 1870.71.
			Total Agricultural			80,000	
			Communications				
1st Range 2nd Do 4th Do	1	Madras to Calcutta	Great Northern Road between Madras and Calcutta	242120	88,362	50,000	~~G. I. No 744 of 10 December 1868~~ G O No 41 of 7th January 1869. Budget item 214 of 1869/70.
1st Range 3rd Range	2	Nellore to Dornal	Road from Nellore to Dornal Pass	104,740	80,197	15,000	G O No 1327 of 1868 Budget item 249 of 1869/70.
1st Range	3	Dogarazapatam	Road from Dogarazapatam to Store yard	7100	4778	2300.	G O No 2255 of 25th July 1867
4th Range	4	Ongole Kottapatam	Improvements to Ongole and Kottapatam Road	8780	210	8570	G O No 2333 of 17th July 1869.
			Carried forward			75,870	

Nellore District
Part II

Detail of Estimate for Original Works for 1871/72

Project Executive Ranges	No	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	Remarks & references.
			Brought over			75870	
1st Range	5	Kistnapatam	Metalling the Kistnapatam Road from the 11th mile stone to the Kistnapatam back water	25000		8000.	G.O. No 1924 of 14 June 1869. This work is of an emergent one.
1st Range	6	Tupally	Constructing a bridge of 3 arches across the Tupally Tank supply channel on the Dogarazpatam Road	4600		4600.	G.O. No 3884 of 8th December 1866.
			Total Communication			88470	
			Grand Total Rupees			171070.	

Statement shewing the sums required in 1871/72 for Minor New Works Estimated to cost less than 500 Rupees each

District	Military	Civil Buildings	Agricultural	Communication	Miscellaneous Public improvements	Total
Nellore	"	500	15300	1500	"	17300

J. Mulberly Colonel R.E.
Supg Engineer 2d Dn.

Supg Engineer's Office 2d Dn.
Bezorah
23d September 1870

From
The Superintending
Engineer 2d D

To The Secretary to Govt
D.P.W.

Dated 23d September
Dispd 26 do 1870.
Recd

No. 390/70

Nellore District.
Part II

Detail of Estimate
for Original works
for 1870/72.—

[illegible]

152

[illegible]

Details of Estimates for Original Works for Projects.

Executive Ranges	No.	Locality	Description	Amount of Estimate	Computed expenditure upto 31st March 1871	Estimate for 1871/72	Remarks & references.
			Military				
			Brought over			75,000	
6th Range	4	Ryves channel	Enlargement & improvement of Ryves Channel and its branches and construction of necessary works	408090	130,864	30,000	Extraordinary G.O. No. 3215 of 1868 G. I. No. 7 A1 of 1868/69 Item 88 of Budget of 1870/71.
7th Range	5	Masulipatam	Drainage Channel from Lenagumga sluice to Tidal Creek at Masulipatam	21,360	4426	10,000	G.O. No. 1928 of 14th June 1869. Budget item 419 of 1869-70.
2nd Range	6	Budam	Channel with subsidiary works for the better supply of Budam & Ulloor Tanks	46420	"	46,000	Ordinary - Not Sanctioned called for in G.O. No. 2091 of 31st August 1870-
4th Range	7	Pedacumcherla	Restoration of Pedacumcherla Tank Vinnaconda Taluq	21,400	"	8000	Not Sanctioned - Submitted to the Chief Engineer for Irrigation with letter No. 90 of 23rd September 1870.
			Total Agricultural.			169,000	
			Communications.				
3rd Range	1	Kistna	Great Northern Road from Madras to Bengal frontier	541,000	54,178	50,000	G.O. 638 of 26th February 1869. Budget item 237 of 1869/70.
5th Range	2	Bezwara to Nizams frontier	Improvements to Road from Bezwara to Hyderabad	20,270	1,652	10,000	Budget item 238 of 1869/70 G.O. No. 623 of 24th February 1868.
6th Range	3	Parikeed	Bridge across the Ellore High Level Canal at Parikeed	8,180	1,880	6,300	G.O. No. 296 of 25 January 1866. Budget item 381 of 1869/70
6th Range & 7th Range	4	Parikeed to Buntoomilly	Improvements to the Salt Road between Parikeed to Buntoomilly	3660	"	2000	G.O. No. 3948 of 17th December 1868.
Do.	5	Do.	Do. Do. Do.	5-665	"	3000	Plans and estimates forwarded to Collector for submission to Government with letter No. 123 of 14th July 1870.
Do.	6	Moodenapilly	Bridge over Poleragufodoo on the above Road	4710	"	4700	Do. Do. Do. with No. 71 of 27th May 1870.
			Carried forward			76,000	

Kistna District
Part II

Detail of Estimates for Original Works for 1871/72.

Executive Range	No.	Locality	Projects. Description	Amount of Estimate	Computed expenditure upto 31st March 1871	Estimate for 1871/72	Remarks & references.
			Military				
			Nil.				
			Civil Buildings.				
3rd Guntoor Range	1	Guntoor	Improvements to Guntoor Jail	15,293 20,80 17,373	15293	20,80	G.O. No 2239 of 1867 & No 975 of 7 April 1870. Item No 43 of Budget of 1870/71
7 [illegible] [illegible] Range	2	Buntumilly	Constructing Salt Cutcherry at Kolampurra.	4050		4050	G.O. No 2730 of 4 October 1867
6 Range	3	Bezwara	Constructing District Moonsiff Court house at Bezwara	2510		2510	Plan & estimate forwarded to the Civil Judge Guntoor for submission to Government for sanction G.O. No 3522 of 4 Novr 1869 vide Supdg. letter No 63-27 Aug 1870
			Total Civil Buildings			8,640	
			Agricultural				
6 Range 7 Range	1	Pullairu	Enlargement extension and improvements of the channels in the Masulipatam section of the Kistna D. Clw	183,100	143,100	40,000	Extraordinary G.O. No 3215 of 1868 G.I. No 7 A.I. of 1868/69 Item No 82 of Budget of 1870/71
6 Range	2	Bezwara	Widening the head of the Masulipatam Canal for 1000 yards from the Anicut to the head of Ellore Canal	113,530	23324	20,000	Extraordinary G.O. No 3215 of 1868. G.I. No 7 A.I. of 1868/69 Item 84 of Budget of 1870/71. Revised estimate submitted to the Chief Engineer for Irrigation on the 12 Aug of 1870 No 58 A
1st Range	3	Seetanagaram	Sloping down the banks of the Main Canal from the Southern flank of the Anicut and enlarging the head of Main Canal from Seetanagaram to [illegible] -nalla	276,400	235,798	15,000	Extraordinary G.O. No 3215 of 1868 G.I. No 7 A.I. of 1868/69 Item No 87 of Budget of 1870/71
			Carried forward			75,000	

Kistna District
Part II

Details of Estimate for Original Works for 1871/72.

Executive Ranges	Projects			Amount of Estimate	Computed expenditure upto 31st March 1871	Estimate for 1871/72	Remarks & references.
	No.	Locality	Description				
			Military				
			Brought over			76000.	
1st Range & 3d Range	7.		Masonry works on the road between Guntoor and Tylur Road	11045/2	"	5500	G O No 3087. of 22nd September 1869.
			Total Communications			81,500	
			Grand Total Rupees.			259,140.	

Statement shewing the sums required in 1871.72 for Minor New Works estimated to cost less than 500 Rupees each.

District	Military	Civil Buildings	Agricultural	Communications	Miscellaneous improvements	Total
Kistna	"	1000.	17000	1000	"	19000

Supt Engineer's Office 3d Dn
Bezwada
28 September 1870.

J. F. Mesberly. Colonel R.E.
Supt Engineer 3d Dn

From The Supdg Engineer
2d Dn

To The Secretary to Govt
D.P.W.

Dated 23d Septr 1870
Despd 26 do
Recd Pr 394/70

Kistna District
Part II
Detail of Estimate
for original Works
for 1871/72.—

Kistna District

Part III
Detail of Estimate for Repairs for 1871/72

District	Description of works	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total
	Military				
Kistna	Minor Repairs to buildings	400			
	House rent for Sergt Glaster	300	700		741
	Civil Buildings				
	Minor Repairs to Revenue buildings	3500			
	Do to Police stations	500	4000		4000
	Agricultural				
	Minor Repairs to Irrigation Canals, Tanks, Dykes, & Drainages	93000	93000		70,000
	Communications				
	Great Northern Road from Madras to Bengal frontier between Seetanagarum and Guntoor, 60 miles at 50 Rs per mile	3000			
	Do Do between Nellore frontier & Guntoor 30 miles at 50 Rs per mile	1500			
	Road from Masulipatam to Bezwara	7100			
	Carried over.	11,600	97700		74741

District	Description of Works	Estimate of 1871/72 Amount	Total	Estimate of 1870/71 Amount	Total
	Brought Over	11600	97700		74741
	Road from Bezwara to Hyderabad frontier	22140			
	Towing paths for 48 miles of the Masulipatam Canal at 30 Rupees per mile	1440			
	Do for 39 Miles of the Ellore Canal at Do Do	1170	G.O. No 1976 d/18 August 1870.		
	Do for 41 miles of Nizampatam Canal Do Do	1230			
	Do for 51 miles of the Commamore Channel at Do Do	1530			
	Road from Inkole to Chinnaganjam	800			
	Do from Ongole to Buntomilly	1440			
	Travellers Bungalows	700			
			42050		40,390
	Miscellaneous Improvements		500		800.
	Total Rupees		140250		115,631

The reduced allotment of the current year (1870/71) being insufficient to meet the ordinary demands, the amount for next year is increased by Rs 23000 — (details for which will be

be furnished to the Chief Engineer for Irrigation in reply to his Circular No 152 d/ 7 July 1870.—).

Under "Communications" an increased maintenance allowance is provided for the Masulipatam & Nizampatam Road and Great Northern Road and the towing paths for the Ellore Canal. Vide Supg Engr letters No 81 d/ 17th September 1870. & No 84 d/ 21st idem and G.O. No 1976 d/ 18th August 1870 respectively.—

J. Mulberly. Col. R.E.
Supg Engineer 2d Divn.

Supg Engineers Office 2d Divn.
Bezwada
23d September 1870

From The Supg Engineer 3d Dn

To The Secretary to Govt D.P.W.

Dated 23d Sept 1870
Recd
No 3911/70

Kistna District
Part III

Detail of Estimate for Repairs for 1871/72.

Nellore District
Part III
Detail of Estimate for Repairs for 1871/72.

District	Description of work	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total
Nellore	**Military**				
	None				
	Civil Buildings				
	Minor Repairs to Revenue buildings	2200			
	Do to Police stations	200			
			2400		2400
	Agricultural				
	Repairs to Irrigation Canals Tanks &c.	58500	58500		54000
	Communications				
	Great Northern Road from Madras to Bengal frontier	26162			
	Road from Kottapatam on the Nellore Coast to Nundial in Kurnool via Ongole and the Nundecanama Pass	7220			
		33382	60900		56400

District	Description of work	Estimate 1871/72 Amount	Total	Estimate 1870/72 Amount	Total
	Brought Over	33382	60900		56400
	Road from Kistnapatam on the Nellore Coast to Cagepett on the road from Kurnool to Cavapah via Nellore & Dornal Pass	11300			
	Road from Doguragapatam to Great Northern Road	11140			
	Do from Ulloo to Sikaspully	600			
	Do do Sugurony cundu to Oolapallem	530			
	Travellers Bungalows	704			
			47976		44536
	Miscellaneous P.W.		0		0
	Total Rupees		108876		100936

The allotment under "Agricultural" is increased by Rupees 4500, (details for which will shortly be furnished to the Chief Engineer for Irrigation in reply to his Circular No 132 of 7 July 1870) —

Under "Communications" an increased maintenance allowance is provided for the road from Kistnapatam to Dornal Pass

Vide Supt. Engineer's letter No 88 dated 22nd September 1870. —

J. Mulberty Colonel R.E.
Supt. Engineer 2nd Dn

Supt. Engineer's Office 2nd Dn
Bezoarah
23 September 1870. —

P.W. 1870 Dept.
Pro: of Govt for Dec.
No 3911

From
The Supdg Engineer 3rd Dn

To
The Secretary
to Govt P.W.

Dated 23rd September 1870
Regd 26th do
Recd 3rd Oct

No: 3

[illegible] District.
Part III

Details of [illegible]timate
for Repairs
[illegible] 18[illegible]

No 3044-15 Decr/70.

No 303

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(8)

No 1391.
Superintg Engrs Office 3rd Dn
Camp Royachoty Royachoty Taluk Cuddapah
District 22nd September/70.

From
The Superintending Engineer
3rd Dn

To
The Secretary to Government
P.W. Deptt.

Sir,

I have the honor to transmit the accompanying Copies of the Military Budget for 1871-72 received from the Dy Asst. Qr Mr. General Ceded Districts, Ballary.

I have &c &c

W. T. Weber Lieut Col: R.E.
Superintg Engineer 3rd Dn

[illegible]

1870 Sept
Procdgs of Govt for Decr
From No 3803
The Supt. Engineer
3rd Dn
To
The Secretary to Govt
P. W. D.
Dd 22nd September 1870.
[illegible] 6

No 1391
Enc. 2
Transmits copies of
Military Budget
for 1871–72 received
from the Dy A. Qr Mr
Genl Ceded Districts Bellary.

No 3044 – 15 Decr/70

[illegible]

No 304

P isional List of Military Works for entry in the Public Works Budget of 1871-1872

Division	Station	Description of Building &c. and for what Corps or Department Needed	Sanctioned works in actual progress for which an allotment in the Budget is required for expenditure in 1871-72	Sanctioned works not commenced or works stopped for want of funds and for which an allotment is now asked for expenditure in 1871-1872	New works not yet sanctioned which in the opinion of the Officer Commanding the Division are urgently required	Total allotments required in Budget of 1871-72	Order of Government bearing reference on the Subject	Remarks as to necessity of buildings and reference to former Application
			Rs	Rs	Rs	Rs		
		Original Works						
		Major						
		Garrison						
Ceded Districts	Bellary	Garrison Main Guard with out Offices Estimate Rs. 24,200	.	8,000	"	8,000	P. W. D. No. 2593 of 7th August 1869	Works commenced and stopped by deficit the early Completion of this building will save much inconvenience now felt.
		Royal Horse Artillery						
	Do	A New Guard Room Estimate Rs 16,560	9440	.	.	9440	P. W. D. No. 2355 of 19th July 1869	Urgently required
	Do	Latrine. Estimate Rs 2700		2,700	"	2,700	P. W. D. No. 2102 of 29th June 1869	Estimate Sanctioned but work stopped for want of Funds Very much required
	Do	Harness Room. Estimate Rs 11,550		11,550	"	11,550	P. W. D. No. 2141 of 30th June 1869	Work Stopped by deficit. Very much required, the present building temporary and much exposed in weather and Rain
	Do	Sick Horse Line	.	.	8550	8550		Urgently required. Revised Estimate pending submission to Govert. by Superint. Engineer.
		Garrison Battery						
	Do	A Set of Family Quarters with out houses Estimate Rs. 43,500	26,000	.	.	26,000	P. W. D. No. 3254 of October 1869	Works in progress
	Do	A New Guard room & Orderly Room	.	"	10,000	10,000		These buildings are much required and were strongly recommended by a board Officers Convened on the 31st March 1869. Vide Proceedings forwarded on 2d August 1869 with Genl. Shubrick letter No. 91 in last year's Estimate

Major Works Continued

76,240

isional List of Military Works for entry in the Public Works Budget of 1871-1872.

Division	Station	Description of Building &c. and for what Corps or Department Needed	Sanctioned works in actual progress for which an allotment in the Budget is required for expenditure in 1871-72	Sanctioned works not commenced or works stopped for want of funds and for which an allotment is wanted for expenditure in 1871-1872	New works not yet sanctioned and which in the opinion of the Officer Commanding the Division are urgently required	Total allotments required in Budget of 1871-72	Order of Government bearing reference on subject	Remarks as to necessity of buildings and reference to former Application
		3						
			Rs	Rs	Rs	Rs		
		Original Works				76,240		
		Major (Continued)						
		European Infantry						
Bellary		Female Hospital Estimate Rs 38,000	17,000	√		17000	P.W.D. No. 1536 of 24 June 1870.	The Original Estimate Rs. 60,450 reduced in consequence of the upper story being struck out. Work in progress.
		Hospital for Contagious Diseases.			8650	8650		Revised Estimate for Amt. to Rs 8650 submitted to Govt. by Supg. Engineer.
Do		European Troops						
Do		Rest House						
do					50,000	50,000	P.W.D. No. 1796 of 27 July 1870.	This is urgently required as the Railway is now opened to Ghooty and Troops will be passing up to down as soon as the season will allow. The Estimate appears to be under Check
Do								
		Total allotment required for Major works in 1871/72				1.51.890		
Do								
Do								

isional List of Military Works for entry in the Public Works Budget of 1871-1872

Division	Station	Description of Building &c. and for what Corps or Department Needed	Sanctioned works in actual progress for which an allotment in the Budget is required for expenditure in 1871-72	Sanctioned works not commenced or works stopped for want of funds and for which an allotment is required for expenditure in 1871-1872	For works not yet Sanctioned which in the opinion of the Officer Commanding the Division are urgently required	Total allotments required in Budget of 1871-72	Orde of Government bea Reference on bject	Remarks as to necessity of buildings and reference to former Application
		3	4	5		7		7
			Rs	Rs	Rs	Rs		
		Original Works						
		Minor						
		Garrison						
Ceded Districts	Bellary	Shed for Oil Transit Carts of Comt. Depart. Esti. Rs 774.	774	.		774	P.W.D. No. 225 of 20 January 1870.	Very much required. An Estimate Amounting to Rs 2,320 for 8 Carts was Sanctioned in P.W.D. G.O. No. 175 of 20th January 1868, but cover for Oil only is required.
	Do	Verandah at the back of Serjt Major Qrs.	.		1,000	1,000		The back of the quarter is quite unprotected. The occupants suffer from the sun during the heat, and rain during the Monsoon. Entered in last years Budget
	Do	Latrine for Garrison Hospital Serjt. Quarters	.		250	250	[illegible] for Cavalry Hospital	This is much required there being no building in existence. Entered in last years Budget.
	Do							
	Do	Wall round the Roman Catholic Chapel	.		500	500		The Chapel adjacent to the Barrack and has no wall to protect it from being desecrated by the passes by. both this and the pulpit, have been applied for by the Chaplain and are considered requisite. Entered in last years Budget and by Committee in their Proceeding this year. No Call has been made on the P.W.D for an Estimate.
		Pulpit for Do			200	200		
	Do	New Windows, one on each side of Do			80	80		
		Gallery for the Accomodation of the Choir in Do			1,000	1,000		
	Do	Latrines for the use of Subordinates Employed in the	.		500	500		These are much required as the Subordinates are Employed for a long time during the day at the Arsenal and have no place of resort near at hand. Entered in last Budget.

isional List of Military Works for entry in the Public Works Budget of 1871-1872

Division	Station	Description of Building &c. and for what Corps or Department Needed	anctioned works in actual progress for which an allotment in Budget is required for expenditure in 1871-72	anctioned works not commenced or works stopped want of funds and for which an allotment is now ed for Expenditure in 1871-1872	e works not yet Sanctioned which in the opinion the Officer Commanding Division and urgently quired	Total allotments required in Budget of 1871-72	Order of Government bea reference on ject	Remarks as to necessity of buildings and reference to former Application
		3	4	5		7	(	9
			Rs	Rs	Rs	Rs		
		Original Works						
		Minor (Continued)						
		Royal Horse Artillery						
Ceded Districts	Bellary	Improvements to Cook rooms	.	.	300	300		New buildings preferred.. Entered in last Budget.
		Dry Store Room	"	.	575	575		Required for the Battery as Authorized by Government. Entered in last years Budget.
	Do	Room for Canteen Serjeant	.	.	200	200		Required in order that the Serjeant may remain on the premises whereby the necessity for a Sentry will be obviated. Entered in last Budget.
	Do	European Infantry						
	Do	Improvements, to Canteen	.	.	200	200		Some slight Alterations required to that the Non-Comd. Officer in charge may have the use of a room without Circumscribing the Canteen which is very Small.. Entered in last Budget.
	Do	Native Cavalry						
		Latrine for the use of Standard Guard and gram boiling shed	.	.	2000	2,000		Required for the use of the Guard the lines being some distance off.
	Do	for the use of Hospital Guard			200	200		Do Do Do
		Do : Do. followers	.	.	200	200		Required for the use of the numerous followers attached to the Regt.
		Furnace for gram boiling	.	.	1,500	1,500		The Officer Commanding the Cavalry reports that this much required the one proposed is to be similar to that used by R. H. Art. at this Station. Entered in last Budget.

P isional List of Mili Works for entry in the Public Works Budget of 1871-1872

Division	Station	Description of Building &c. and for what Corps or Department Needed	d works in	ount of hich an allotment is now ed for Expenditure in 1871-1872	works not yet Sancti ed which in the opinion the Officer Commanding Division and urgently equired	Total allotments required in Budget of 1871-72	Order of Government bea eference		Remarks as to necessity of buildings and reference to former Application
		3	4	5	6	7		8	9
			Rs	Rs	Rs	Rs			
	Ori	Original Works							
	Mi	Minor (Continued)							
	Roya	Native Infantry Regt.							
	Imp	Three Latrines in rear of Infantry Lines Estimate Rs 5280	„	5280	.	5280		P.W.D No. 14797 7th May 1869.	Entered under Minor works as the Amount of each Estimate is below Rs 2500.
	Dry	A Latrine for the use of Infy Guard	„	.	400	400			Much required as the Guards are some distance from the lines.
		ead house for Infy Hospital	„	.	650	650	P.W.D	No 1108 of 12th April 1870.	Required for the reception of bodies there being no building in Existence for the purpose. Entered in last Budget.
		Vash house for Hospital	„	.	750	750			Required there being no building in Existence. Entered in last Budget.—
	Room	Sappers & Miners.							
Ceded Districts	En	Lavatory & Latrine for Staff Serjeants Quarters	„	.	500	500			Very Much required.—
	Impr								
	2 Va								
	ead								
	ua								
	fo								
	Do								
	Oc								
	fr								
		Total allotment required for Minor works in 1871/72.				18459			

Head Quarters C.D.
Bellary 29th Augt 1870

(True Copy)

(Signed) M. Woods B
Comman

Division

M3803/50

3rd Division

Supplement 1 Provincial List of Military Works for Entry in the Public Works Budget of 1871–72

Division	Station	Description of Building and for what Corps or Department intended	[illegible]	[illegible]	[illegible]	Total allotment [illegible]	Order of Government bearing reference to the subject	Remarks as to necessity of Buildings and references to former Application	Remarks
1	2	3	4	5	6	7	8	9	10
Cuttack District	[illegible]	Original Works Major Garrison							
		Station Theatre	.	,,	15.000	15.000	O.G. M.D. No 1807 of 12th May 1865	Required to Complete the Ordered Scale of Barrack accommodation as laid down in Proceedings of Government P. W. Department dated 25th November 1867	
		Slaughter House	.	3000	.	3000	P.W.D. No 1187 of 20th April 1868	To provide for the new System of supplying Troops with meat, whenever it shall be introduced. It being necessary that this person should reside near the Slaughter house to enable him to perform his duties more efficiently	
		Quarters for Sergeant Butcher	.	.	3000	3000			
		New Cemetery for Military	.	.	5000	5000	Ecclesiastical Dept. No 41 of 1 April 1870	Is required near the Barracks as the present one, which is not only very small but filled will have to be Extended shortly. An Estimate appears to be under preparation.	

3rd Division

Divisional List of Military Works for Entry in the Public Works Budget of 1871–72

Description of Building and for what Corps or Department Needed	[illegible] 1871-72	[illegible]	[illegible]	Total allotment required in Budget 1871-72	Orders of Government bearing reference to the subject	Remarks as to necessity of Buildings and references to former Application	Remarks
Original Works							
[illegible] (Continued)							
Royal H. Artillery							B
[illegible] Barracks with family Quarters complete	.	.	25,000	25,000	P.W.D. No. 1843 of 5th June 1869		
Gun Sheds	.	.	25,000	25,000	G. M. D. No. 1807 of 12th May 1865.	All required to Complete Ordered scale of Barrack accommodation as laid down in Proceedings of Government P. W. Department dated 25th November 1867.	
Hospital for followers	.	.	8000	8000			
Library Orderly room & Sergeant Quarters	.	.	10,000	10,000			
Mess Coffee and Reading room	.	.	5000	5000			
School room	.	.	15,000	15,000			
Stabling for Horses	.	.	38,000	38,000			
Do for Sick horses	.	... .	15000	15000			
Racket Court Double	.	.	8000	8000			
Institute	.	.	15000	15000			
Day rooms for Women	.	.	6000	6000			
[illegible] Wall for Do	.	.	4000	4000			
Armourers Workshop	.	.	[illegible]	[illegible]			
Do Store room	.	.	4000	[illegible]			
Gymnasium	.	.	6000	6000			
Main Guard	.	.	6000	6000			

Division

Station

Remarks

Supplement

Division

Station

3rd Division

Divisional List of Military Works for Entry in the Public Works Budget of 1871–72

Description of Building and for what Corps or Department Needed	[illegible] 1871–72	[illegible]	[illegible]	Total allotment required in Budget 1871–72	Orders of Government bearing reference on the subject	Remarks as to necessity of Buildings and references to former Application	Remarks
Original Works Major (Continued)							
Garrison Battery							
Hospital to contain 20 Men, with out Buildings Complete	.	.	75,000	75000	C.G. M. D. No 1807 of 12th May 1865.		
2 New Barracks with out Houses	.	.	2,50000	2,50000			
School with Qrs for Master & Mrs	.	.	60000	60000			
Alterations to present School rooms	.	.	2600	2.600			
Blocks of Barracks to adapt it to Canteen	.	.	3000	3000		All required to complete Ordered scale of Barrack Accommodation as laid down in Proceedings of Government P. W. Department, dated 25th November 1867.	
Improved Cook houses of Barracks	.	.	15000	15000			
Institute	.	.	15000	15000			
1 Range of Married Quarters	.	.	10,000	10000			
1 Ball Court Double	.	.	8000	8000			
2 Day Rooms for Women	.	.	6000	6000			
1 Range of Baths for Men	.	.	4000	4000			
2 Do — Do for Women	.	.	8000	8000			
Gymnasium	.	.	6000	6000			
[illegible] Guard	.	.	9000	9000			
Auxiliary Buildings	.	.	5,000	5,000			
American Bowling Alley	.	.	2500	2500			
Total required allotment for Major							
Minor							
1 Royal H Artillery Cricket Ground		.	800	500,		Required — Do — Do	
Total required allotment for Minor Works							

Head Quarters [illegible]

(Signed) W. G. Woods Bri

N°. 3803/70

3 Division

Part III

Detail of Estimate for Repairs for 1871-72.

			Estimate 1871-72.	Estimate 1870-71.
	Minor repairs to Buildings	20340		
	House rent to Military Subordinates	5000		
	Cantonment Roads	4660	30000.	25000
	Civil [illegible]			
	Minor repairs to Revenue &ca Buildings	3100		2900 2600
	Do Do	3500		1950 ~~1500~~
	Do Do	1500	8100.	650 ~~350~~ 4.450.
	Minor repairs to Irrigation Channels	15000		72500
	Do Do Tanks	57500	72500	~~85000~~
	Annual repairs to the Toongabudra Channels	15200		
	Minor repairs to Irrigation Canals	15000		57500
	Do Do Tanks	49800	80000.	60000
Kurnool	Do Do Canals	10000		
	Do Do Tanks	20000	30000.	17000 ~~20000~~
			182500	165000
	Communications			
Cuddapah	No. VIII Road from Kistnapatam on the Nellore Coast to Ragapett on the road from Kurnool to Cuddapah via Nellore and the Doorenal Pass	6200		6200

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
No XVII Road from Chittoor to Kurnool via Cuddapah and Nundial		22350			22350.
No XVIII Do. from Chittoor to the Bombay frontier at Hollal in the Bellary District via Palamanair, Madanapilly, Anantapoor, Bellary, Hospett and Hoovinhudgally.		17800.			17,800.
Special Repairs to Roads	3000				
Travellers Bungalows	300.	5.300.			300.
			67650.		46650.
No XVIII Road from Chittoor to the Bombay frontier at Hollal, in the Bellary District via Palamanair, Madanapilly, Anantapoor, Bellary, Hospett and Hoovinhudgally		30200.			25600
No XIX Road Bellary to Kurnool.		6150.			6150.
5. Road from the Kurnool frontier of the Bellary District, via Gooty and Anantapoor to the Mysore frontier near Pennaconda.		16050.			16050
7. Road from Ramandroog to Tornagul		4000			4000.
Road from Ramandroog to Naglapoor Ghaut.	600				
Branch Road from Humpasagur on Trunk Road No XVIII to Soorinhulley ✓	1525	2125.			

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
Special Repairs to Roads	5000				
Travellers Bungalows	600.	5600.			660
			64125.		52,400.
No VII Road from Kotapatam on the Nellore Coast, to Nundial in Kurnool via Ongole Cumbum and the Nundy-Canama Pass.		12687			✓ 12687.
No XVII Road from Chittoor to Kurnool via Cuddapah and Nundial		12750.			✓ 12750.
No XIX Road from Bellary to Kurnool		7750.			✓ 7750.
Special repairs to Roads	5000.				
Travellers Bungalows	600.	5600			(600)
			38787.		33787.

Supdg. Engrs Office 3rd Divn
Camp Cuddapah
Cuddapah Talook
Cuddapah District
1st October 1870.

Supdg. Engineer 3rd Dn.

No 305

P.W.D. 1870 Records
Proceedings
From The Supdg. Engr. No 3912
3rd Divn
To The Secy. to Govt. P.W.D.
Dated 20th Oct/70
Recd. 3rd — —
Encl 1
Read III
Details of Estimate for Budget for 1871-72
No 3044-15 Oct/70

No. 158.B. Superintending Engineer's Office.
3rd Division.
Bellary 20 October 1870.

From,
The Superintending Engineer
3rd Division.

To,
The Secretary to Government
Public Works Department
Fort Saint George

Enclosures. 1

Sir,

I beg to draw your attention to G.O. No 2510 dated 30 January 1869 sanctioning Estimates amounting to Rupees 7800/- for two bridges in the 18th mile of the Road from Cuddapah via Dorenal pass to Nellore, and trust Government will, if practicable, be able to provide for these works in the Budget for 1871-72 which has already been submitted for the Division.

2. Through oversight these two bridges were not included in the Budget sent in.

I have &c &c
W. Hebbert Lieut Col. RE.
Superintending Engineer 3 Divn

Pro. 1870 No. 4232

From,
The Superintending Engineer
3rd Division.

To,
The Secretary to Government.
Public Works Department,
Fort Saint George.

No. 15813

Dated 20
Received 23 October 1870.

Requiring to furnish for the Buildings and Roads & Bridges in the Budget of 1871/72

No. 3044-15th Dec 1870

Supg. Engrs. Office 4th Dn
Madras 30th September 1870

No. 2731

From,
Captain H. T. Rogers R.E.
Executive Engineer in Charge of the Superintending Engineer's Office 4th Dn

To,
Colonel C. A. Orr R.E.
Secretary to Government P. W. Dept.
Fort Saint George

Sir,

Enclosures
Budget lists
Maps

I have the honor to forward my Budget Lists Parts II and III for the ensuing year 1871/72 which have been prepared in accordance with the instructions contained in Government Order No. 2919 dated 4th October 1865.

I have the honor to be
Sir
Your most obedient Servt

H. T. Rogers Captain R.E.
Exe: Engr. in Ch. of the
Supg. Engrs. Office 4th Dn

Educational Part II.

Fourth Division

Detail of Estimate for original works for 1871/72

Executive Division	Project			Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or Reference
	No.	Locality	Description				
Presidency	1	Chepauk	Erecting a Senate House	2,55,096	28,152	1,25,000	Estimate sanctioned in G. No. 1720 dated 27th May

Supdg. Engrs. Office 4th Dn.
Madras 30th Septr. 1870

Captain R.E.
Exe. Engr. in Ch. of the
Supdg. Engrs. Office 4th D.

No. 1850 Budget
Proposals for [illegible]
From, No. 13584
The Executive Engineer
in Charge of the Supdg.
Engineer's Office 4th D.

To,
The Secretary to Government
Public Works Dept.

Dated 30th
Recd. 1st September 1870

No. 2731.

Enc. 7

Forwards Budget
Lists for the ensuing
year 1871/72

No. 3044 15 Oct 70

No 307

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Project: Locality	Project: Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
			Military				
Presidency	1	Royapooram	Providing Zinc Covers to the Royapooram Line Wells and to the seven wells and Filtering Cistern	2,625	"	2625	Estimate will be submitted shortly to Government Vide G. O. Nos 694 and 699 dated 3rd and 4th March 1869.
do	2	Esplanade	Fencing, planting, draining, laying on water pipes and forming roads at the Ordnance Lines on the North West Esplanade	44,500	43,496	1,004	Sanctioned in G. O. No. 3872 dated 12th December 1868.
do	3	Fort	Constructing two additional cook houses for the Families of European Regiment in the Fort	5,900	"	5,900	Estimate approved in G. O. No. 69 dated 11th March 1870.
do	4	do	Extending Subalterns Quarters in the late Civil Auditor's Office in Fort St. George	8,400	7,384	1016	Sanctioned in G. O. No. 2889 dated 10th September ~~1869~~ 1868
do	5	Esplanade	Constructing a Hospital of the Body Guard Lines Esplanade	16,200	"	16,200	Sanctioned for entry in Budget G. O. No. 2976 dated 10th September 1869.
Chingleput	6	Mount	New Verandahs to North and South Barracks at the Mount	6772	"	3,386	To replace old wooden verandahs entirely decayed. Estimate will be submitted shortly to Government.
				Carried Over		30,131	

Part II.

Madras Presidency

(Fourth Division)

Detail of Estimate for Original Works for 1871/72.

78

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Military Continued	Brought Over		30,931	
Chingleput	7	Mount	Lowering the wall around the Garrison Hospital at the Mount and substituting Iron railing	8,250		8,250	Vide G. O. No. 60 dated 7th January 1867
do	8	do	Apothecary's Quarters for Garrison Hospital at the Mount	5,850		5,850	Vide G. O. No. 1979 dated 31st July 1867.
do	9	do	Assistant Apothecary's Quarters for New Female Hospital with out houses at Mount	3,830	″	3,830	Work sanctioned but deferred vide G. O. No. 3169 dated 30th September 1869.
do	10	do	Constructing Barrack accommodation for two Field Batteries in Horse Artillery Lines Saint Thomas Mount	205,010	1,20,182	84,000	Sanctioned in G. O. No. 3399 dated 29th October 1868.
Presidency	11	Fort	Constructing new Barracks for two Garrison Batteries over the present Bomb proof at the Fort	80,000	″	80,000	In abeyance as per G. O. No. 1262 dated 9th May ~~1866~~ 1865
Chingleput	12	Mount	Constructing stables for Horses for two Batteries of Artillery at Saint Thomas Mount	30,120	″	30,120	Standard Plan sanctioned in G. O. No. 1892 dated 25th June 1867.
do	13	do	Swimming Bath in connection with the Horse Artillery Barracks at Saint Thomas Mount	12,600	″	12,600	Plans and Estimate approved by Government in G. O. No. 3668 dated 17th November 1866.
				Carried Over		2,55,581	

Part II.

Madras Presidency

(Fourth Division)

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Military continued	Brought Over		255,581	
Presidency	14	Fort	Extending Smiths' Forges in the Grand Arsenal Fort Saint George	3,900	"	3,900	Sanctioned in G. O. No. 1352 dated 26th April 1869.
do	15	New Town	Constructing Buildings for setting up Machines at Gun Carriage Manufactory at Madras	4,740	3,709	1,031	Sanctioned in G. O. No. 412 dated 9th February 1869.
do	16	Vasurpaudy	Constructing certain additional rooms at the Gun Powder Factory for new Machinery received from England	1,00,000	"	1,00,000	Vide G. O. No. 964 dated 6th April 1870. Plans and Estimates under preparation.
Chingleput	17	Mount	Bullet Factory and out offices at Saint Thomas' Mount	57,590	"	50,000	As the Snider Ammunition Factory has to be erected shortly it may be found necessary to delay the Bullet Factory or modify the plans.
do	18	do	Magazine to contain small arm ammunition Arsenal at Mount	60,260	"		
do	19	do	Snider Ammunition Factory at Saint Thomas' Mount	71,500	"	71,500	Sanctioned in G. O. No. 3914 d/14th December 1869 and Deferred Vide G. O. No. 1572 dated 30th June 1870
Presidency	20	Royapooram	Constructing 8 Quarters in 4 Blocks for warrant and non-Commissioned Officers of the Commissariat Department at Royapooram	33,500		33,500	Sanctioned in G. O. No. 822 dated 11th March 1868 para 2.
				Carried Over		515,512	

Part II

Madras Presidency

(Fourth Division)

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
			Military Continued		Brought Over	5,15,512	
"	21	"	Grant for Minor New Works the Estimated cost of which does not exceed Rupees 2,500 each	20,000	"	20,000	
			Total Military			5,35,512	
			Civil Buildings.				
Presidency	22	Chepauk	Improvements &c. to the Revenue Board Office	1,78,400	1,58,547	19,583	Vide G. O. No. 3616 dated 10th November 1869. Item No 19 [illegible] 1871
do	23	Black Town	Constructing a reservoir at General Hospital Presidency	13,400	11,619	1,781	Vide G. O. No. 3871 dated 12th December 1868.
Chingleput	24	Sydapet	Cutcherry at Homes Garden	17,100	7,930	9,170	Sanctioned in G. O. No. 2189 dated 9th July 1868.
					Carried Over	30,534	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Project							
Executive Division	No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued	Brought Over		30534	81
North Arcot	25	Arconum	Constructing a Head Assistant Collector's Cutcherry at Arconum	[illegible] 8,220	"	8,220 ✓	This project was sanctioned in the Budget of 1869/70 in which it formed item No. 60 - Plan and Estimate under preparation.
do	26	Chittoor	Improving the Huzur Cutcherry at Chittoor	4,400	"	4,400 ✓	Sanctioned in G.O. No. 3310 dated ~~[illegible]~~ 21st October 1867.
do	27	Gudiattum	Deputy Collector's Cutcherry at Gudiattum	Vide [illegible] 3,400	"	3,400 ✓	Plan and Estimate submitted to Government in letter No. 4895 dated 13th January 1869. This plan is being revised by the Consulting Architect.
Presidency	28	Black Town	Constructing a New General Post Office at Madras	Vide [illegible] 2,37,984	43,927	1,00,000 ✓	Sanctioned in G.O. No. 3882 dated 12th December 1868 and G.O. No. 31A dated 19th June 1869 and No. 3142 dated 29th September 1869. also [illegible] 1870
do	29	do	Adapting the Mint Buildings for the clothing, Assay, and currency Departments	[illegible] 35,000	"	35,000 ✓	Estimate under preparation Vide G.O. No. 127 dated 14th March 1870.
				Carried Over		1,81,554	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued	Brought Over		181,554	
residency	30	South Beach	Extending Coach House, and erecting a Latrine for the use of the Native Servants at the Government House	5,100	"	5100	Sanctioned in G. O. No. 2055 dated 29th June 1868 - Ordered to be held in abeyance till funds were available.
do	31	Kilpauk	Constructing a Lunatic Asylum at Locock's Gardens — Rs. 202,000 Supplemental Estimate — 41500 Rups. 243,500	243,500	220961	33039	Revised Estimate submitted to Government in letter No. 2194 dated 27th August 1870 Vide G. O. No. 2260 dated 9th September 1870. [illegible] 12 Dec 1870 [illegible]
do	32	Black Town	Erecting an Office for the Registrar General, and District Registrar at the Presidency — Rs. 27,100				
do	33	do	Making certain alterations to various sheds in order to adapt them as out Offices for the Registrar General's Office — " 1490 Rs. 28590	28,590	"	28,590	Vide G. O. No. 1335 dated 27th April and No. 3343 dated 19th October 1866.
ingleput	34	Conjeeveram	Constructing a Civil Dispensary with Apothecary Quarters and Out Offices at Conjeeveram	14,500	5,000	5,000	Sanctioned in G. O. No. 23 dated 4th August 1870.
				Carried Over		253,283	

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	Project No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued		Brought Over	253,283	
Presidency	35	Black Town	Cholera Hospital at Madras	22,500	"	22,500	Plan and Estimate submitted to Government in No. 651 dated 14th May 1870 - Revised Scheme will be submitted in communication with Dr. MacKenzie Vide G.O. No. 98 dated 19th August 1870.
do	36	Washerman's -pettah	Constructing Foul linen room and Sinks &c. also drainage at Leper Hospital	3,000	"	3,000	The Inspector General Indian Medical Department was furnished with the approximate estimate on the 14th August 1869.
do	37	Vepery	Proposed Improvements to Saint Matheas Church at Vepery	17,150	"	17,150	Vide G.O. No. 902 dated 3rd April 1865. This project is brought forward from the Budget of 1866/67 to 1871/72
do	38	New Town	Improvements to the Penitentiary alterations and additions to the new enclosure and for purchasing and closing the adjacent burial ground at the Penitentiary	119,650	81,432	38,218	Vide G.O. No. 3858 dated 8th December 1869 and G.O. No. 137 dated 21st April 1870.
					Carried Over	334,151	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued	Brought Over		334151	
Presidency	39	North Beach	Constructing an additional Court and retiring room for the Registrar of the Madras Court of Small causes	9,250	"	9,250	Plan and Estimate under examination and will be submitted shortly to Government Vide G. O. No. 2678 d/14th August 1869.
—do—	40	Washermanpettah	Constructing a Civil debtors' jail on the South side of the Leper Hospital at the Presidency	1,36,000	"	1,36,000	Vide G. O. No. 3637 dated 1st December 1869 1865
Chingleput	41	Trivellore	Constructing Moonsiff's Catchery at Trivellore	6,220	"	6,220	Sanctioned in G. O. No. 3534 dated 5th November 1869.
—do—	42	Chingleput	Improving the jail at Chingleput as recommended by the Committee assembled under G. O. No. 877 dated 16th June 1865.	30,000	"	30,000	Plans and Estimates were forwarded to the Inspector General of Jails Vide G. O. No. 2165 dated 11th July 1866
North Arcot	43	Arconum	Constructing a subsidiary jail with out buildings complete at Arconum	11,130	7,535	3,595	G. O. No. 2390 dated 22nd July 1869.
				Carried Over		5,19,216	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued.	Brought Over		5,19,216	
North Arcot	44	Tripathy	Altering and Improving the present Sub Magistrates Catcherry and constructing Jail at Tripathy	9,250	5556	3,664.	Sanctioned in G. O. No. 1597 dated 14th May 1869.
do	45	Calastry	Constructing Sub Magistrates Cutcherry and Subsidiary Jail at Calastry	12,980	6,611	6,369.	
do	46	Poothoor	Constructing Sub Magistrates Cutcherry and Subsidiary Jail at Poothoor	12,180	4,938	7,242	Sanctioned in G. O. No. 1597 dated 14th May 1869 work stopped for want of funds
do	47	Chendragherry	Constructing Sub Magistrates Cutcherry and Subsidiary Jail at Chendragherry	8,870	"	8,870	Estimate under examination and will be submitted shortly to Government Vide G. O. No. 839 dated 13th March 1868.
do	48	Manderpauk	do do at Manderpauk	6,450	"	6,450	
do	49	Wallajahpet	Constructing Subsidiary Jail and out buildings complete at Wallajahpet	10,200	9750	267 10200	Sanctioned in G. O. No. 1502 d/10th May 1869.
do	50	Terutany	Constructing Deputy Tahsildar's Cutchery subsidiary Jails with out buildings at Terutany	11,760	"	11760	Sanctioned in G. O. No. 1558 dated 12th May 1869.
				Carried Over		5,73,771	

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Civil Buildings continued	Brought Over		5,73,771	
North Arcot	51	Vellore	New Central Jail at Vellore Supplemental Estimate	3,37,500 24,100	3,20,070	18430 17,430 24,100	Sanctioned in G. O. No. 1372 dated 2nd June 1870 – Supplemental estimate will be submitted shortly to Government.
do	52	Arcot	Constructing a Talug Cutcherry and Subsidiary Jail &ca. at old Arcot	24,800	6,747	18,053	Estimate under examination. G. O. No. 839 dated 13th March 1868.
do	53	Chittoor	Constructing a Subsidiary Jail and improving the Talug Cutcherry and Police Station house at Chittoor	9,240	3,065	6175	Estimate under examination and will be submitted to Government Vide G. O. No. 839 dated 13th March 1868.
do	54	Coopum	Constructing a Deputy Tahsildar's Cutcherry and Subsidiary Jail at Coopum	13,750	377	13,373	Estimate under examination and will be submitted shortly to Government Vide G. O. No. 839 dated 13th March 1868.
do	55	Venkatagherry Cottah	do do Venkatagherrycottah	10,500	570	9930	do do
do	56	Goodiattum	Constructing a Talug Cutcherry and Subsidiary Jail at Goodiattum	29,730	9980	19,750	Estimate under examination and will be submitted shortly to Government Vide G. O. No. 839 dated 13th March 1868
do	57	Chittoor	Constructing a Subsidiary Jail and Improving the Talug Cutcherry and Police Station House at Chittoor	6,950	1864	5,086	Plan and Estimate will be submitted shortly to Government Vide G. O. No. 839 dated 13th March 1868.
				Carried Over		6,87,668	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
			Civil Buildings continued	Brought Over		687,668	
North Arcot	58	Poloor	Constructing a Talug Cutcherry and subsidiary Jail &ca. at Poloor	33,700	18,880	14,820	Estimate under examination and will be shortly submitted to Government Vide G. O. No. 839 dated 13th March 1868.
do	59	Wandewash	Additions and Improvements to the Talug Cutcherry and Constructing subsidiary Jail &ca. at Wandewash	9,000	3,701	5,299	do do
Presidency	60	North Beach	Erecting an enclosure and certain other buildings required for providing additional storage room for Iron at the Custom House	3,800	3,800	4,000	Vide G. O. No. 1696 dated 25th May 1869 ~~Supplemental estimate submitted to Government in letter No. 2543 dated 17th Septr 1870~~ [illegible] 2382 [illegible] 1/73 [illegible] No 18 of [illegible] 7/71
do	61	do	Constructing a Police Tannah on the North Beach Road	4,000			
"	62	"	Grant for Minor New Works the estimated cost of which does not exceed Rupees 500 each	15,000	–	15,000	
			Total Civil Buildings			726,787	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Agricultural				
Chinglepat	63	Voyaloor	Voyaloor Project for supplying spring water to 18 villages from Cortelliar in the Ponnary Taluq	46,000	"	25,000	Plan and Estimate were forwarded to the Chief Engineer for Irrigation in letter No. 1926, dated 6th August 1870. The Collector has been requested to furnish Revenue Statement which will be forwarded in due course when received.
—do—	64	Ramanjary	Ramanjary Project in Trivellore Taluq	4,500	"	4,500	This estimate was forwarded to the Collector of Chinglepat District for approval on the 9th Octr. 1867 No. 3237.
—do—	65	Cunnyapoothoor	Cunnyapoothoor Tank River supply Project and repairing and improving the Cunnyapoothoor Tank Calingulah	8,000	"	8,000	Estimate under preparation by the Range Officer and will be submitted shortly to Government.
—do—	66	Yellasoor	Constructing an Annicut across the Neenjalmadugu in the limits of Yellasoor and excavating Channels to supply Tanks on either side	38,200	18,366	10,000	This Project is under reinvestigation and Plan Survey and Estimate will be submitted in due Course.

Carried Over 47,500

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

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	Project						
Executive Division	No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Agricultural continued	Brought Over		47,500	
Chinglepet	67	Paramash-veramungalum.	Excavating a new Channel and constructing an Aqueduct and Head Sluice for irrigating the lands of Paramashveramungalum, Vapenjary and Cuddalore	3,230	"	3,230	Estimate forwarded to the Collector of Chinglepet for approval.
—do—	68	Cheyeur	The Cheyeur 2nd Annicut project near Tandry	200,000	"	100,000	Survey, Plan and section completed and estimates are under preparation and will be submitted to Government
—do—	69	Parian Colathoor	Project for the Improvement of the Parian Colathoor Tank and its supplying Channel and utilizing the surplus water of the same.	20,000	"	10,000	Estimate under preparation.
Chinglepet	70	Red Hills	Madras Water Supply Project	1042,640	943,872	95,303.	Revised estimate submitted to Government in letter No. 2790 dated 30th August 1869 Vide G. O. No. 1100 dated 26th April 1870. [illegible]
—do—	71	Chembrum-bankum	Enlargement of the Chembrumbaukum Tank Project	X 200,307	30,000	170,307	Revised Estimate will be submitted shortly to Government. [illegible]
				Carried Over		434,340	

X Formerly [illegible] 255,100 [illegible]

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	Project No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Agricultural continued	Brought Over		4,34,340	
North Arcot	72	Govindavady	Cutting a supplying channel from Govindavady Channel to Cullalea Tank	"	"	5,000	Estimate under preparation.
-do-	73	Cheyaur	Improving the Cheyaur Channel	"	"	50,000	Plans and Estimates under preparation
-do-	74	Sasamungalum	Repairing the Sasamungalum Tank supply Channel in the Arnee Jagheerdar	9,900	"	9,900	Plans and Estimates submitted to the Chief Engineer for Irrigation in letter No. 2181 dated 26th August 1870. [illegible] 1st Oct /70 No 2374
-do-	75	Polur	Improving the Polur supply Channel and constructing a Dam across the river and a Head sluice and 3 masonry falls in the Channel	11,[illegible] 10,300	"	10,300	Estimate submitted to the Chief Engineer in letter No. 1999 dated 12th August 1870 and sanctioned in G. O. No. 2254 dated 19th September 1870.
-do-	76	Carapoondy	Improving the Tank Embankment and Channels also constructing a Calingulah to Carapoondy Tank	2,500	"	2,500	Estimate sent to the Collector for approval
"	77	"	Grant for Minor New Works the Estimated Cost of which does not exceed Rs 2500 each	50,000	"	50,000	
			Total Agricultural			5,62,040	

Part II.

Madras Presidency

(Fourth Division)

Detail of Estimate for Original Works for 1871/72.

Project

Executive Division	No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
			Communication				
Chingleput	78	"	Great Northern Road from Madras to Bengal Frontier	231,482	186,674	44,808	Sanctioned in G. O. No. 1300 dated 28th April 1868.
—do—	79	Sunnapagoontah	Constructing a Road from Great Northern Road to Sunnapahgoontah	137 16,060	4,000	12,060	Estimate sanctioned in G. O. No. 3545 dated 5th November 1869.
—do—	80	Poonamallee	Metalling portions of Trunk Road No. III	12,000		12,000	Estimate under preparation.
—do—	81	Poonamallee	Remetalling the Poonamallee Road	7,600		7,600	Estimate under preparation
"	82	"	Remetalling the 2nd Section Great Southern Trunk Road No. II	12,760	5,948	6,812	Sanctioned in G. O. No. 3801 dated 5th December 1868.
Chingleput	83	Kalambaukum	For constructing a first class metalled Road from Kalambaukum to Chingleput and for a branch Road from Kalambakam to Covelong	54,000	1,754	10,000	Vide G. O. No. 2706 dated 17th August 1869
Do							
				Carried Over		93,280	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Project Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
			Communication continued	Brought Over		93,280	
North Arcot	84	Mooghli Ghaut	Improving the Trunk Road No. XVIII at the Mooghli Ghaut	"	"	5,000	Survey and estimate will be submitted to Government shortly.
—do—	85	Palmanair	Metalling and Widening the Trunk Road No. XVIII from Palmanair to Cuddapah frontier via Poonganoor	87,000	"	10,000	Estimate under Examination and will be submitted shortly to Government.
Chinglepat	86	Chinglepat	Bridge across the Palar River at Chinglepat	60,600	16,147	44,453	Sanctioned in G. O. No. 3220 dated 5th November 1863.
North Arcot	87	Chittoor	Constructing a Bridge of 5 arches each 36 feet span across the Chittoor River on Trunk Road No. XVII	16,000	"	8,000	Estimate was forwarded to the Collector of North Arcot for Approval in letter No. 4580 dated 7th Decr 1869
—do—	88	Poothalput	Constructing a Bridge of 3 arches each 25 feet span across the Poothalput River on Trunk road No. XVII	5,600	"	5,600	Estimate sent to the Collector of North Arcot for approval in letter No. 4580 dated 7th December 1869.
				Carried Over		166,333	

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Communication continued	Brought Over		1,66,333	
North Arcot	89	Poiney	Constructing a Bridge over the Poiney Anicut	25,800	"	10,000	Sanctioned in G. O. No. 2287 dated 8th August 1865.
do	90	Mahindravady	Constructing a Bridge of 5 arches of 24 feet span across the supply Channel of the Mahindravady Reservoir at a point near Keelvieranum on the Railway feeder from Caveripauk to Sholinghur Railway Station	6,200	3,100	3,100	Vide G. O. No. 3190 dated 9th October 1868. No. 228 [illegible]
do	91	Sholinghur	Constructing a Bridge of 4 arches to carry the Sholinghur Railway Station and Mahindravady Road over the surplus of Mahindravady Reservoir - North Calingulah	5,900	.	5,900	Estimate forwarded to the Collector of North Arcot for approval in letter No. 3540 dated 20th October 1868.
Chingleput	92	Doogarazapatam	Extension of the East Coast Canal northwards from Doogarazapatam to Kistnapatam	2,87,000	1,36,026	1,00,000	Surveys Plans and Estimates submitted to Government in letter No. 2236 dated 30th August 1870 Vide G. O. No. 2735 dated 20th August 1869.
				Carried Over		2,85,333	

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Locality	Project Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Communication continued	Brought Over		285,333	
Chingleput	93	Cheyaur	Excavating a Boat channel and constructing platforms &ca. at Cheyoor	34,260	22,500	11,760	Sanctioned in G. O. No. 3051 dated 22nd September 1866.
do	94	Mahabalpoor	Constructing Travellers Bungalow, and out houses, at Mahabalpoor	7,800	"	7,800	Vide G. O. No. 1426 dated 6th May 1868 and No. 334 dated 2nd February 1869
"	95	"	Grant for Minor New Works the estimated cost of which does not exceed Rupees 2500 each	20,000	"	20,000	
			Total Communication			324,893	

Mis: P. Impts.

Part II.

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Executive Division	Project No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References.
			Miscellaneous Public Improvement.				
Presidency	96	North Beach	Restoring the Madras Pier	✓ 287,424	155035 3260 1,09,137	80,000.	Sanctioned in G. O. No. 1229 dated 14th April 1869.
"	97	"	Grant for Minor New Works the estimated cost of which does not exceed Rupees 2500 each	1,000	"	1,000	
			Total Mis: Public Impts.			81,000	

Abstract

Military	5,35,512
Civil Buildings	7,26,787
Agricultural	5,62,040
Communications	3,24,893
Mis: Public Impt:	81,000
Total	2230232

Supg. Engrs Office 4th Dn
Madras 30 September 1870

Captain R.E.
Executive Engineer in Ch: of the 4th Dn

Part II

Madras Presidency

Fourth Division

Detail of Estimate for Original Works for 1871/72.

Project

Executive Division No.	Locality	Description	Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References

Districts	For Minor new works under Military	For Minor New works under Civil Buildings	For Minor New works under Agricultural	For Minor new works under Communication	For Minor New works under Mis: Public Impt.	Total for Minor New Works estimated to cost less than Rs. 500 each	Remarks
Presidency	7,500	3,000	"	"	"	10,500	
Chinglepat	2,500	400	12,000	"	"	14,900	
North Arcot	400	1,000	12,000	"	"	13,400	
Total	10400	4400	24000	"	"	38,800	

Sup-g. Engrs Office 4th Dn
Madras September 1870

Captain R.E.
Exe. Engineer in Charge of the
Sup-g. Engrs. Office 4th Dn

GP

Part II.

Madras Presidency

(Fourth Division)

Detail of Estimate for Original Works for 1871/72.

Executive Division	No.	Project		Amount of Estimate	Computed expenditure to 31st March 1871	Estimate for 1871/72	Remarks or References
		Locality	Description				

Nr. 3884/70

Nr. 3884/70

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks.
		Military					99
Presidency	Fort St. George	Annual repairs to road within the garrison	2500		2500		
	Esplanade Beach	ditto to Esplanade roads	14047		14047		
		ditto to road along the east face of the Fortress	2500		2500		
	Fort St. George	Minor repairs to buildings	16100		22000		
	do	Annual repairs to Fortification	8400		8332		
	Perambore &c.a	Minor repairs to buildings	4000		3000		
	Esplanade	do do	3000		2000		
		Compensation in lieu of free quarters to Military Officers and Medical Subordinates &c.a	15000		15000		
		Repairs and exchange of Mats, Blinds, Punkah Fringes, and furniture to Public Works Department	700		700		Vide G.O. No 74 [illegible] 1870.
				66247		70079	
		Total Presidency		66247		70079	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
				66247		70079.	
		Military Continued					
Chingleput	St Thos Mount	Annual repairs to Cantonment Roads	1720.		1720		10
	Palaveram and Poonamallee	do — do	1630.		1630		
	Saint Thos Mount Poonamallee and Pallaveram	Minor repairs to buildings	16000.		10200.		
		Compensation in lieu of free quarters to the Medical &ca Subordinates	8000.		7800		
		Total Chingleput		27350		21350.	
North Arcot	Vellore	Annual repairs to Cantonment roads	1110		1110		
	do	Minor repairs to buildings	2000.		2500		
	do	Compensation in lieu of free quarters to Medical &ca Subordinates	500		500	300	
		Total North Arcot		3610		4110	
		Total Military		97207		95539.	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
		Civil Buildings					161
Presidency	Fort St. George	Minor repairs to General buildings	4000		6500		
	Black Town	do do	10000		5000		
	Mount Road	Annual repairs to Government House	3000		4000		
	Do and Chepauk	do to General Buildings	8000		8680		
		do to Ecclesiastic do	1000		1000		
		Compensation in lieu of free quarters to Medical Subordinates	9000	„	„		
		Total Presidency		35000		25180	
Chingleput	Guindy Park	Minor repairs to Government House	3000		3000		
	St. Thos. Mount	Do to General & Revenue Buildings	2500		2000		
	Chingleput						
	Conjeeveram Sreepermatoor	Do Do	8000		3500		
	Madranticum & Caraongooly	Do Do	2100		800		
		Do to Police Stations	500		200		
		Total Chingleput		16100		9500	
				51100		34680	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
				51100		34680	
		Civil building (continued					
North Arcot	Chittoor	Minor repairs to General and Reve Buildings	2700		2000		
	Vellore	Do Do	3000		2000		
	Ranipett	Do Do	3000		500		
	Polur	Do Do	500		500		
		Do to Police Station	500		300		
		Total North Arc		9700		5300	
		Total Civil Buildings		60800		39980	
		Agricultural					
Presidency		Minor repairs to Tanks	3000		3000		
Chingleput		do to Tanks & Channels	150000		85000		
North Arcot		do do	150,000		107,000		
		Total Agricultural		303000		195,000	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
		Communication					
Presidency	Presidency	Roads over Government Bridges and within the limits of Government compound	9395		9395		G. O No. 3938 dated 14 Decr 1866
	do	Roads leading from the Fort towards the Mount and Poonamallee	9058		9058		do 1429 " 11 May 1867
	do	Minor repairs to roads and bridges	2000		5000		
		Total		20453		23453	
Chingleput	Chingleput	Great Northern Road from Madras to the Bengal frontier No I	26380		11770		Revised estimate will be submitted G. O. No. 2283 dated 11 December 1861. Length 28½ Miles at 414 Rupees per Mile including petty Establishments G. O No. 2790 dated 1st September 1868.
	do	do Southern road from Madras to Travancore frontier No II	34896		34896		G. O. No 133 dated 27 March 1855. Length 55 Miles at 634 Rupees per Mile G. O. No. 2790 dated 1st September 1868
	do	do Western road from Madras to Calicut No III	26650		26650		G. O. No 2412 dated 11 Octr 1859 Length 50 Miles at 530 Rs per Mile exclusive of Petty establishment G. O. No. 2790 dated 1st September 1868
	do	Road from Cheyar to Chotapuknum and Wandiwash	2175		800		Revised Estimate will be submitted G. O. No. 3207 dated 9 October 1866 length 11 Miles at 73 Rupees per Mile.
			90,101	20,453	74,116	23,453	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks.
			90,101	20,453	74,116	23453.	
		Communications (Contd)					
Chingleput	Chingleput	Boat Channel at Cheyoor	1000		„		Estimate will be submitted
	Do	Road from Marmalong Bridge to Guindy Park Gate	210		210		G. O. No 2179 dated 10 Septr/59 and G. O. No 2790 dated 1st September 1868 - Length 900 yards at 390 Rs per Mile
	do	Roads in Guindy Park	740		740		Do No 2115 d/14 November 1861 and G. O. No 2790 dated 1st Septr/68 length 3 Miles 209 yards at 227 Rs per Mile.
	do	Road from Madras to Trivettore	327		327		G. O. No 2444 dated 26 July/69
	do	Basin Road to Trivettore	352		352		
	do	Road from Trivettoor to Ennore	718		718		Suburban roads Vide G. O. No 2444 dated 26th July 1870
	do.	Do from Red Hills from boundary of Madras to Pahir Mills	353		353		
	do	do on Collattoor tank bund	41		41		
	do	do from Chinnamootham Chavady to Mealy Moodelly's Choultry	600		600		
			94,442	20,453	77,457	23,453	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
Chingleput		Communication (Contd)	94442	20453	77457	23453.	
	Chingleput	Johanes road Sydapett	307		307		Suburban roads Vide G. O. No. 2444 d/26 July 1870.
	Do	Road from Sydapett to Kodumbankum	400		111.		This allowance of Rupees 111 granted for the first time for 1870-71 is not sufficient. The road is nearly 2 Miles long has considerable traffic - This Rupees 111 was the amount formerly granted for the portion of the Codambakkum Road over the Milapore Tank and appears to have been entered against this road by mistake
	do	Road from Elphinstones Bridge towards Sadras	400		400		
	do	Sydapett Town road	200		200		
	do	Road from St. Thomas Mount to Poonamallee	1148		1148		
	do	do do Sydapett	1684		1684		
	do	do from Sabilis to Vendalore Choultry	1990	[illegible]	,,		G. O. No. 3762 dated 26 Novr. 1869.
	do	Special repairs to roads Travellers Bungalows	1000		700		[illegible] 8/3/18
		Total Chingleput		101571		82007.	
				122,024		105,460	

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72		Estimate 1870/71		Remarks
			Amount	Total	Amount	Total	
		Communication (Cont.)		122,024		105,460	
North Arcot	North Arcot	Great Western road from Madras to Calicut with a branch from Arcot to Chittoor No III	14090		14090		G. O. No 1841 dated 29th August /63 Length 95¾ Miles at 160 Rs per Mile inclusive of Petty Establishment and G.O. No 2790 Dated 1st September 1868.
	do	Road from Chittoor to Kurnool via Cuddapah and Nundial No XVII	6810		6810		G. O. No 1005 dated 19 June 1856 Length 32 Miles at 213 Rs per Mile inclusive of Establishment G. O. No 2790 dated 1st September 1868 Provision has been made for 2 Extra Miles at 200 Rupees per Mile at the request of the Supt Engr 3rd Division as they are within the limit of this Division.
	do	Road from Chittoor to the Bombay frontier at Hullial in the Bellary District via Palmanair, Muttanapully Anantapoor, Bellary Hospett and Hoovinhadgally No XVIII	10,000		6875		Revised Estimate will be submitted G. O. 2113 dated 14 Novr /63 Length 65 Miles at 106½ Rs per Mile inclusive of Petty Establishment G. O. No 2790 dated 1st Septr /68.
		Special repairs to roads Travellers Bungalows	750		500		
		Total North Arcot		31650		28275	
		Total Communication		153674		133735	

4th Division.

Detail of Estimate for Part III repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks.
		Mis: Pub: Improvements					
	Presidency	Minor repairs	1000		300		
	Chingleput	Ditto	100		50.		
	North Arcot.	Ditto	100		50.		
		Total Mis: Pub: Improvt		1200		400.	

Abstract.

4th Division.

Part III

Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72 Amount	Estimate 1871/72 Total	Estimate 1870/71 Amount	Estimate 1870/71 Total	Remarks
		Abstract					
		Military	97207		95539		
		Civil Buildings	60800		39980		
		Agricultural	303000		195000		
		Communication	153674		133735		
		Mis: Public Improvements	1200		400		
		Total		615881		464654	

Supg Engrs Office
4th Division
Madras
30th September 1870

A H Mosey Captn R E
Ex Engr in ch Supg Engrs Office 4th Dn

4th Division.

Part III
Detail of Estimate for repairs for 1871/72.

District	Locality	Budget heads	Estimate 1871/72		Estimate 1870/71		Remarks
			Amount	Total	Amount	Total	

No 38

From
C. W. Reade Esqre
Collector of South Arcot

To
C. A. Orr, Colonel, R. E.,
Secretary to Government
in Public Works Dept.
Madras

Sir,

I have the honor to forward with my counter signature the Superintending Engineer's Imperial Budget Estimate of Public Works in this District for the Official Year 1871-72 together with copy of his letter which accompanied it.

2. The Budget List has

has my entire approval, and I scarcely think it necessary to add any remarks to the judicious selection Captain Roberts had made of the works provided for in the List. I would however point to the importance of the early completion of the Talug Cutcherries and Subsidiary Jails which for want of funds were left in an unfinished state during the first year.

3. The projects alluded to in Paras 3 & 4 of the Superintending Engineer's

letter

letter are also works which ought to be soon taken in hand. The object of the first work, the Anicut across the Poonaiar River near Comaramungalum, is to secure a more full and certain supply of water to lands lower down the river and which at times are not sufficiently irrigated by the Anicut built over the same river near Trickkalore in 1861-62. The remetalling of the road from Cuddalore to Salem via Punrootty I regard as a very necessary work in view of the great and

increasing

Encroaching traffic on this line.

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

South Arcot
Collr's Cutcherry
Cuddalore
28th September
1870.

Archd. Beade
Collector

P.W. 1870 Recd.
From Supt. No. 3865
The Collector of
South Arcot
to
The Secretary to
Government
P.W. Dt.
Madras
Dated 28 Septr. 1870
Recd. 30 " "
No. 38
Enclosures 2.
Forwards an Imperial Budget Estimate of Public Works in the District for 1871/72
No. 3044 15 Decr /70.

Salem Collector's Office
28th September 1870

No. 27

From

J. F. Price Esq.
Ag. Sub Collector of Salem
In charge

To

Colonel A. Orr R.E.
Secretary to Government
Department Public Works
Madras

Sir,

I have the honor at the request of the Ag. Superintending Engineer 5th Division to forward to you duly countersigned by me, the Imperial Budget Estimate of public works in the Salem District for the Official year 1871-72.

I have the honor to be
Sir,
Your Most Obdt. Servant

J. F. Price
Ag. Sub Collector
In charge

Compd. J.B.
E.

B.W. 1870 [illegible]
Pro: of Govt for Decr No 3865
Thro' Pro: of P.W. for Decr No 3852

From,
The Ag: Sub: Collector of Salem, In charge

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

D/ 28th September 1870
Recd/ 29th
No 27.
Enc: one.
Forwarding Imperial Budget Estimate of Public Works
Rs 3044:15 [illegible]

No 309

5th Divn. P.W.

Original

E

Detail of Estimate riginal Works for 1871-72.

Executive Division	Projects: No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871-72.	Remarks or References.
			Military				
Bangalore	1	Bangalore	Drinking Water Scheme fo Dhobies Wells at the Ulsoor	35,000	25,575	25,000	Sanctioned in G. O. No. 2517 d/6th August 1868. Revised estimate under preparation.
	2	Ulsoor	Ulsoor Water Project	[illegible],000	2,06,763	25,000	approved Sanctioned in G. O. No. 401 d/17th February 1863. Item No. 11 in Budget of 1870-71. Revised estimate under preparation.
	3	Bangalore	Additional or 3rd Pavili Hospital Race Course	900 070 8,970	"	40,000	Sanctioned in G. O. No. 3111 d/24th September 1869, and G. O. No. 2168 d/9th September 1870. Sanctd by [illegible] Entered in Military Budget.
	4	Bangalore	Apothecary's Quarters f Hospital Race Cours	3480	"	23480	[illegible] Sanctioned in G. O. No. 2410 d/23rd July 1869. Entered in Military Budget.
	5	Bangalore	Quarters for Resident dical Officer Race Co Hospital	750	"	11,750	Sanctioned in G. O. No. 3125 d/27th Sept. 1869. Entered in Military Budget.
			Carri			1,25,230	

No. 27.
Enc: one.
Forwarding provisional
Budget Estimate of
Public Works
No. 3044/16 [illegible]

No. 209

Supg Engrs Office

Executive Division	Projects			Amount of Estimate	Computed expenditure up to 31st March 1870	Estimate for 1871-72	Remarks or References
	No	Locality	Description				114
			Brought over			125,230	
Bangalore	6	Bangalore	Hospital Sergeants Quarters to Pavilion already built, Race Course	7,800	"	7,800	Approximate. Entered in Military Budget.
	7	Do	Do Do to additional Pavilion, Race Course	1,35[illegible]	"	3,700	Do Do
	8	Do	Slaughter House	080	"	13,080	G.O. No 3477 dated 7th November 1868.
	9	Do	Roads and terracing of Race Course	10,000	"	10,000	Estimate will be submitted shortly.
	10	Do	New Magazine	[illegible]00	"	50,000	Deferred [illegible] vide G.O. No 1024 of 13th April 1870. Has been entered in Military Budget.
	11	Do	Quarters for two Staff Sergeants Quarters, Commissariat Department	7,000		7,000	Approximate. [illegible] 27/10/69 Has been entered in Military Budget.
	12	Do	Saddle Rooms for Mule furniture, Commissariat Department	7,000	"	7,000	Approximate. No estimate has been prepared Do Do
	13	Do	Stabling for 182 horses for Royal Horse Artillery	33,610	"	33,610	Sanctioned in G.O. No 2920 of 14th September 1868.
	14	Do	Stabling for 220 horses for Royal Artillery Race Course	42,920	"	42,920	Do [illegible] in G.O. No 3540 of 13th November 1868
	15	Do	Quarters for Apothecary Sapper Lines	4,400	"	4,400	Do in G.O. No 3093 of 22nd September 1869
			Carried over			304,740	

Executive Division	Projects No.	Locality	Description	Amount of Estimate	Completed expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or References.
			Brought over			304,740	
Bangalore	16	Bangalore	Racket and Fives Court for Cavalry	9,560		9,560	Sanctioned in G.O. No. 3,069 of 20th September 1869.
	17	Do	Cook room for Recreation room and Sergeants Mess for Cavalry	4,560		4,560	Not emergent. Has been entered in Military Budget
	18	Do	Drainage of Race Course Plantation	69,000	"	25,000	Deferred till the return of Captn Tulloch vide G.O. No. 3740 of 1st December 1868.
	19	Do	Alterations and additions to Wash House Race Course	4,7[illegible]	"	4,700	
	20	Do	Wall round Karkanah Lines	8,200	"	8,200	Approximate. Has been entered in Military Budget
	21	Do	School room for Artillery Race Course	5,000	"	5,000	Do Do
	22	Do	Quarters for School Master and School Mistress, Infantry	7,000	"	7,000	Do Do
	23	Do	Parapet wall around Infantry Barracks	7,000	"	7,000	Do Do
	24	Do	Drainage of Blocks of — do	6,000	"	6,000	Do Do
	25	Do	Lining with stone drains, East and West of Barrack limits, Infantry	4,000	"	4,000	Do Do
	26	Do	School room for Adults Infantry	20,000	X	20,000	Do Do
			Carried Over			405,760	

Supdg. Engr's Office Sitt

Octo

115

Executive Division	Projects No.	Locality	Description	Amount of Estimate	Completed expenditure up to 31st March 1871	Estimate for 1871-72.	Remarks or References.
			Brought on			304,740	
Bangalore	16	Bangalore	Racket and Fives Court for Cavalry	9,560		9,560	Sanctioned in G. O. No. 3069 of 20th September 1869. Not emergent. Has been entered in Military Budget
	17	Do.	Cook room for Recreation room and Sergeants Mess for Cavalry	4,560	..	4,560	
	18	Do.	Drainage of Race course Plain	69,000	..	25,000	Deferred till the return of Captn. Tulloch vide G. O. No. 3740 of 1st December 1868.
	19	Do.	Alterations and additions to Wash House Race Course	4,700		4,700	
	20	Do.	Wall round Karkanah Lines	8,200	..	8,200	Approximate. Has been entered in Military Budget
	21	Do.	School room for Artillery Race course	5,000	..	5,000	Do. Do.
	22	Do.	Quarters for School Master and School Mistress, Infantry	7,000	..	7,000	Do. Do.
	23	Do.	Parapet wall around Infantry Barracks	7,000	..	7,000	Do. Do.
	24	Do.	Drainage of Blocks of do.	6,000	..	6,000	Do. Do.
	25	Do.	Lining with stone drains East and West of Barrack limits, Infantry	4,000	..	4,000	Do. Do.
	26	Do.	School room for Adults Infantry	20,000		20,000	Do. Do.
			Carried Over			405,760	

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Executive Division	No	Projects: Locality	Projects: Description	Amount of Estimate	Computed expenditure up to 31st March 1870	Estimate for 1871-72	Remarks or References
			Brought over			4,05,760	
Bangalore	27	Bangalore	Canteen Infantry Barracks	21,600		21,600	A new building required as old one inconvenient & ill adapted for its purpose.
	28	Do	Plunge Bath for Cavalry	5,300	"	5,300	Sanctioned in G.O. No 1807 d/12th May 1865. GOC 18/5/65 No 135 G
	29	Do	Followers Hospital Mounted Branch	16,000	"	16,000	Approximate - Has been entered in Military Budget.
	30	Do	Voluntary Workshop for Infantry	18,500	"	18,500	Do Do
	31	Do	Quarters for three Barrack Serjeants	12,000	"	12,000	Do Do
	32	Do	Gymnasium 4th Class	30,000	"	30,000	Do Do
	33	Do	Drainage of Royal Horse Artillery	4,400	"	4,400	Do Do
	34	Do	Latrines for Native Infantry and Sappers	6,500	"	6,500	Do Do
	35	Do	Quarters for Barrack Master Serjeant, Cavalry	5,000	"	5,000	Do Do
	36	Do	Do Do for Infantry	5,000	"	5,000	Do Do
	37	Do	2 Day Rooms for women for Cavalry	5,000	"	5,000	Do Do
	38	Do	2 Plunge Baths for women for Cavalry	10,600	"	10,600	Do Do
	39	Do	Volunteer Workshop for Cavalry Race Course	18,500	"	18,500	Do Do
						5,64,160	

Sup. Engr's Office Sixth

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Executive Division	Projects No	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1870	Estimate for 1871-72	Remarks or References
			Brought over			564,160	
Bangalore	40	Bangalore	Two Day Boxes for Women for Infantry	5,000	"	5,000	Approximate - Has been entered in Military Budget
	41	Do	Two Plunge Baths for Women for do	10,600	"	10,600	Do Do
	42	Do	Two do do for do for Royal Artillery and one Horse Artillery	10,600	"	10,600	Do Do
	43	Do	Improving the lighting of Barracks in Garrison	20,000	"	20,000	Do Do
	44	Do	Iron Shelves and pegs in all Barracks	18,000	"	18,000	Do Do
	45	Do	Quarters for one Apothecary and one Assistant Apothecary for Garrison Hospital	7,660		7,660	Standard plan submitted with letter No 100 dated 23rd August 1870
	46	Do	Quarters for one Apothecary for Medical Stores	4,360	"	4,360	
	47	Do	Theatres for Cavalry, Artillery and Infantry	45,000	"	45,000	Approximate - Entered in Military Budget
	48	Do	A Set of Lines, Barracks, Hospital &c for a 3rd Regiment of Native Infantry	2,40,000	"	50,000	Do Do
	49		Minor New Works not exceeding Rupees 2,500 each			46,120	
			Total Military			781,500	

Supg Engr's Office Sixth
22nd October

Part III
Detail of Estimate for Repairs for 1871-72.

		Estimate, 1871-72.		Estimate, 1870-71.	
		Amount	Total	Amount	Total
	Military				
Bangalore	Minor repairs to Buildings and Main Sewer	33,142		30,582	
—	House-rent on account of Military & Medical Subordinates on Regimental duty	10,000	50,000		37,440
—	Repairs to Cantonment Roads and Bridges	6,858		6,858	
	Total Military	50,000	50,000	37,440	37,440
	Civil Buildings				
Bangalore	Minor repairs to Buildings	1,500		1,500	
—	House-rent on account of Medical Subordinates on Civil employ	500	2,000		1,500
	Total Civil Buildings	2,000	2,000	1,500	1,500

Superintg. Engineer's Office 5th Dn
Cuddalore 8th October
1870.

Richd. A. Roberts Captn. R. E.
Acting Superintg. Engineer, 5th Divn.

Trichinopoly District.

Original works.

Military	74470	
Civil Buildings	169884	
Agricultural	7500	
Communication	42281	294135
Works below 2500 Rs Each.		
Military	22476	
Civil Building	2090	24566
Minor New Works below 500 Rs Each		
Military	2500	
Civil Buildings	500	
Agricultural	7500	
Communication	500	11000
Repairs.		
Military	10500	
Civil Buildings	3600	
Agricultural	100000	
Communication	38218	152318
		482019

I have the honor to be
Sir,
Your most Obdt Servt

P. Montgomerie Capt. R.E.

Ex Engineer in charge

5th Division D.P.W.

From
The Actg. Superintg. Engineer
5th Division
To P.W. 4023/70.
The Secretary to Government
D.P.W.
Dated 8th } October 1870
Recd.

Budget Estimate of Public Works for 1871-72.

No. 3044-15th Decr/70.

No. 310

No. 608

Supdg. Engrs. Office Sixth Dn.
Tanjore 22nd October 70.

From,
Captain R. Montgomerie R.E.
Executive Engineer in charge
To,
Colonel C.A. Orr. R.E.
Secretary to Govt. D.P.W.

Sir,

I have the honor to forward herewith the Budget Statements as Parts II and III for the Tanjore and Trichinopoly Districts for 1870-71. The following is an abstract of the demands for each District.—

Tanjore District.
Original Works.

Civil Buildings	144,846	
Agricultural	245,934	390,780
Works below 2500 Rs. each		
Civil Buildings	107.80	107.80
Minor New Works below 500 Rs. each		
Civil Buildings	2000	
Agricultural	7,500	
Communication	1,500	11,000
Repairs.		
Civil Buildings	9500	
Agricultural	150000	
Communication	44490	
Misc. Pub. Improvement	5000	208990
		621550.

Trichinopoly

Trichinopoly District.

Original works.

Military	74470	
Civil Buildings	169884	
Agricultural	7500	
Communication	42281	294135
Works below 2500 Rs Each.		
Military	22476	
Civil Buildings	2090	24566
Minor New Works below 500 Rs Each		
Military	2500	
Civil Buildings	500	
Agricultural	7500	
Communication	500	11000
Repairs.		
Military	10500	
Civil Buildings	3600	
Agricultural	100000	
Communication	38218	152318
		482019

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

E. Montgomerie Captn. R.E.

Civil Engineer in Charge

P.W. 1870 Dept
From [illegible] No 4236
The Ex. Engineer
in charge of 6th Dn
To
The Secretary to
Govt. D.P.W.

No. 608.

Dated 22 } October 70
Recd 25th }

Enclosures 7.

Forwards Budget
Statements for
1871 – 72 – of the
6th Division: —
No 3044 - 15th Mar/70.

No 311

Sixth Division.
Tanjore District.
Part III Budget.
Detail of Estimate for Repairs for 1871-72.

	Estimate. 1871-72. Amount	Estimate. 1871-72. Total	Estimate. 1870-71. Amount	Estimate. 1870-71. Total
Tanjore.				
Civil Buildings.				
Tanjore Station —— Minor Repairs to Revenue &c Buildings	✓ 2000		..	✓ 2000
Combaconum Station —— Do —— Do —— Do	2000		..	2000
Myaveram & Shealy Stations —— Do —— Do —— Do	✓ 1,300		..	✓ 1300
Negapatam & Tritrapundy Stations —— Do —— Do —— Do	✓ 1,800		..	✓ 1800
Manargudy & Puttucottah Stations —— Do —— Do —— Do	✓ 1,200		..	✓ 1200
Nunnilam Station —— Do —— Do —— Do	✓ 900		..	✓ 900
—— Do —— to Police Stations	✓ 300		..	✓ 300
Total Civil Buildings		✓ 9,500		✓ 9,500

		Estimate. 1871-72.		Estimate. 1870-71.	
		Amount	Total	Amount	Total
Tanjore.	Agricultural				
Codamoorty River —	Repairs to the Codamoorty River banks	2000			
	Defensive works including Naval plant	1500			
	Repairs to Sluices Calingulahs &c.	350			
	Maintenance of plantations — Naval & Bank watchers —	150	4000	"	4000
Vennaur River —	Repairs to the Vennaur River banks	3500			
	Defensive works including Naval Plant	2000			
	Repairs to Sluices, Calingulahs &c.	500			
	Maintenance of plantations, Naval & Bank watchers —	360			
	Repairs to Anicut —	640	7000	"	7000
Cavery River —	Repairs to the Cavery banks	4000			
	Defensive works including Naval Plant	3000			
	Repairs to Sluices Calingulahs &c.	2000			
	Maintenance of plantations Naval & bank watchers	3500			
	Repairs to Annicuts —	500	13000	"	13000
Vettaur River —	Repairs to Vettaur River banks —	3600			
	Defensive works including Naval Plant	4100			
	Clearance of bed —	2000			
	Repairs to Sluices Calingulahs &c.	800			
	Maintenance of plantations, Naval & Bank watchers	500	11000	"	11000
			35000		35000

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
	Brought forward		35000		35000
Coleroon River	Repairs to the Coleroon River banks	4000			
	Defensive works including Nanal plant	8000			
	Repairs to Sluices Calingulahs &c	300			
	Maintenance of plantations Nanal & bank watchers	3700			
	Repairs to Anicuts	7000	23000		23000
Mannyaur River	Repairs to the Mannyaur River banks	1500			
	Defensive works including Nanal Plant	500			
	Clearance of bed	450			
	Repairs to Sluices Calingulahs &c	500			
	Maintenance of plantations Nanal & bank watchers &c	50	3000	"	3000
Arasalar River	Repairs to the Arasalar River Banks	2000			
	Defensive works including Nanal Plant	1500			
	Repairs to Sluices Calingulahs &c	500			
	Maintenance of plantation Nanal & Bank watchers	250	4250		4250
	Carried over		65250		65250

		Estimate 1871-72		Estimate 1870-71	
		Amount.	Total.	Amount.	Total.
	Brought forward		65,250		65,250
Terimulrajan River	Repairs to Terumulrajan River Banks	1000			
	Defensive works including Nanal Plant	500			
	Repairs to Sluices Calingulas &c	500			
	Maintenance of plantations, Nanal & bank watchers	200	2,200	"	2,200
Mudicondanan River	Repairs to Mudicondanan River Banks	1000			
	Defensive works including Nanal Plant	500			
	Repairs to Sluices Calingulahs &c	500			
	Maintenance of plantations Nanal & bank watchers	200	2,200	"	2200
Palavaur River	Repairs to the Palavan River Banks	1500			
	Defensive works including Nanal Plant	250			
	Repairs to Sluices Calingulas &c	300			
	Maintenance of plantations Nanal & Bank watchers	250	2,300	"	2,300
Iyaur and Mulliar Rivers	Clearance of Beds	5000			
	Repairs to Masonry works	1500	6,500	"	6,500
	Carried over		78,450		78,450

		Estimate. 1871-72. Amount	Estimate. 1871-72. Total.	Estimate. 1870-71. Amount	Estimate. 1870-71. Total.
	Brought forward		78,450	"	78,450
Pandavaiyaur River	Repairs to Pandavayaur River Banks	1,500			
	Defensive works including Naval plant	500			
	Repairs to Sluices Calingulahs &c.	50			
	Maintenance of plantations— Naval & bank watchers	200	2,250	"	2,250
Puttaur River	Repairs to the Puttaur River banks	1,500			
	Defensive works including Naval plant	1,000			
	Repairs to Sluices Calingulahs &c.	500			
	Maintenance of plantations— Naval and bank watchers	150	3,150	"	3,150
Velappaur River	Repairs to the Valappaur River banks	1,250			
	Defensive works including Naval Plant	500			
	Repairs to Sluices, Calingulahs &c.	250			
	Maintenance of plantations, Naval & bank watchers	200	2,200	"	2,200
	Minor Repairs to Tanks Channels &c.	..	63,950	"	73,950
					18000
	Total Agricultural		+ 150,000	"	1,60000

+ A Revised Statement showing the distribution of this sum will be forwarded as soon as the Supg Engineer returns from Tinnevelly with reference to the Circular Memo from the Chief Engineer for Irrigation No 152, dated 7th July 70

Communication

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
Branch Road from Tindivanum on the great Southern Road from Madras to the Travancore frontier towards Negapatam via Pondichery, Cuddalore, Sheally & Tranquebar	Repairs &c. to metalling $32\frac{5}{12}$ miles. 7 miles @ 120 Rs per mile	840			
	18 miles @ 80 " per Do	1440			
	$1\frac{3}{4}$ Do @ 100 " per Do	175			
	$5\frac{2}{3}$ Do @ 880 " per Do	4990			
		7445	"	"	7300
Branch from Do from Vickrapandy towards Combaconum via the Vellaur Anicut	Do Do $13\frac{1}{2}$ miles @ 150 Rs per mile	2025	"	"	2025
Do from Sheally in the Tanjore District to Salem via the Grand Anicut Trichinopoly, Musiri & Namakal	Do Do $75\frac{1}{2}$ miles @ 120 Rs per Do	9060	"	"	9060
	Carried Over	18530	"		18385

129

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
Brought forward		18530			18385
Road from Vedarniam to Munnargudy	Repairs &c. to metalling 20 miles: 9½ miles @ 100 Rs per do	950			
	10½ miles @ 75 Do	787			
		1737	..	..	1565
Road from Adarampalam to Gundra Cottah	Do 42 miles @ 80 Rs per mile	3360	..	..	3360
Do from Puttoocottah to Tanjore	Do 40 miles @ 80 Rs per Do	3,200	..	..	3,200
Do from Cuttumunnady to Arrauthanghy	Do Do 20 miles @ 30 Rs per Do	600	..	..	480
Repairs to Bridges		1,400	..	..	1,400
Do to Travellers Bungalows		800	..	..	800
Do to Navigable Canals		11,863	..	..	11863
Special Repairs to Roads		3000	..	..	
Total Communication			44,490		41,053

	Estimate 1871-72.		Estimate 1870-71.	
	Amount	Total	Amount	Total
Miscellaneous Public Improvements.				
Tanjore —— Minor Repairs to Ports, Harbours &c.	5000		"	5000
Total Miscellaneous Public Improvements	——	5000	"	5000

Supg Engrs Office 6th Dn
Tanjore 22nd October 70

Capt R.E.
Ex Engineer in charge

Enclosure in Letter No 608 dated 22nd Octr/70 from the Supdg Engineer of the 6 Division to the Secretary to Government P.W. Dept.

PW 4236/70

Tanjore District
Part III Budget
Detail of Estimate for Repairs for 1871-72

A

Tanjore District

List of Subsidiary Jail Works below 2500 Rs each

Description of Works	Amount of Estimate	Expended in previous years to 31st March 1871	Estimate for 1871/72	Remarks
Constructing Outhouses for the Sub Magistrate's Cutchery at Trivicaun	2330	1535	795	Sanctioned in G.O. No 2475 dated 28th July 1869
Do Outhouses for the Sub Magistrate's Cutchery at Trivalore	2290	585	1705	
Do Do for Do at Terootorapoondi	2355	135	2220	
Do Do for Do at Coowtaughy	2380	"	2380	
Constructing Police Guard room with Outhouses at Nunnilum	2060	682	1378	
Do Outhouses for the Sub Magistrate's Cutchery at Codavasel	1420			
Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No 2475 of the 28th July 1869	44			25/10/69
	1464	317	1147	
Carried over	12879	3254	9625	

Description of work	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	Remarks
Brought forward	12879	3254	9626	
Alterations to the Police Station at Trivicum	120	24	96	
Do. to the Sub Magistrate's Cutchery at Tritorapoondy	1690			
Add amount for asphalting the floors of Jail wards & Latrines as per G. O. No. 2475 of 28th July 1869	232			
	1922	3	1919	
Do. to the Police Station at Negapatam	82		82	
Do. to the Sub Magistrates Cutchery at Munnargudy	780			
Add amount for asphalting the floors of Jail wards & Latrines as per G. O. No. 2475 of 28th July 1869	120			
	900	19	881	
Do. to the Sub Magistrates Cutchery at Needamungalum	240			
Add amount for asphalting the floors of Jail wards & Latrines as per G. O. No. 2475 of 28th July 1869	38			
	278		278	
Carried over				

Description of work	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	Remarks
Brought forward	16181	3300	12881	
Alterations to the Sub Magistrate's Cutchery at Aranthangy	610			
Add amount for asphalting the floors of Jail wards & Latrines as per G. O. No. 2475 of 28th July 1869	90			
	700	17	683	
Providing ventilators for the Sub Jail at Puttocottah	90	72	18	
Alterations to the Sub Magistrate's Cutchery at Codavassel	880			
Add amount for asphalting the floors of Jail wards & Latrines as per G. O. No. 2475 of 28th July 1869	209			
	1089	296	793	
Total Rupees	18060	3685	14375	

P Montgomerie Captn RE
Executive Engineer in charge

Supdg Engr's Office 6th Dn
Tanjore 22nd October 1870

Enclosure in a letter from the Supdg. Engineer Cn. Dn. to the Secretary to Govt. D.P.W. No. 608 dated 22nd October 1870

PW 4236/70

A

Tanjore District

List of Subsidiary Jail works below 2500 Rupees each.

A

Trichinopoly District

List of Subsidiary Jail Works below 2500 Rs. each.

Description of Work	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	Remarks
Alterations to the Talug Cutchery at Perambalore	360	111	249	Sanctioned in G.O. No. 2475 dated 28th July 1869.
Do. to the Talug Cutchery at Jayengoadasholapuram	430	"	430	
Total Rupees	790	111	679	

Supdg. Engrs. Office Cn. Dn.
Tanjore 22nd October 1870

R. Montgomerie Captn. R.E.
Executive Engineer in charge

Enclosure in a letter from the Supg. Engineer Cy. Dn. to the Secretary to Govert. D.P.W. No. 608 dated 22nd Oct. 1870.

PW4236/70

A

Trichinopoly District

List of Subsidiary Jail works below 2500 Rupees each.

B

Tanjore District

List of masonry works over Irrigation Channels on the district Roads, the moiety of the cost of which is below 2500 Rupees each.

Description of Work	Amount	Remarks
Moiety of the cost of culverts over Irrigation Channels on Road No. 27 from Coattoor to Sungumudy - Estimate Rupees 13700	260	Sanctioned in G. O. No. 32 of 4th March 1870.
Do. Do. over Do. on the extension of Road No. 79 - Estimate Rupees 4100	757	Do. in G. O. No. 117 of 18th May 1870.
Do. Do. over Do. on Road No. 68 from Poothoor to Poodooputnum. Estimate Rupees 12720	2060	Do. in G. O. No. 168 dated 30th May 1870
Do. Do. over Do. on Road No. 51 in Tritorapoondi Taluq from Moonicoor to Thalanayer - Estimate Rupees 33800	353	Do. in G. O. No. 112 dated 24th June 1870 - Item No. 185 in Part II Budget of 70/71.
Total Rupees	3430	

Supg. Engrs. Office Cy. Dn.
Tanjore 22nd October 1870

C. Montgomerie Captn. R.E.
Executive Engineer in charge

Enclosure in a letter from the Supdg. Engr. Ca. Dn. to the Secretary to Govt. D.P.W. No. 608 dated 22nd October 1870.

PW 4236/70

B

Tanjore District

List of masonry works over Irrigation Channels on the District Roads, the moiety of the cost of which is below 2500 Rupees each.

6th Division
Trichinop District
Part II Budget
Detail of Estimat for Original Works for 1871-72.

Executive Division	Project No	Locality	Description	Estimate	Expended up to 31st March 1871.	Estimate for 1871-72.	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)
			Military				
No 1 Range	1	Trichinopoly	Stables for the Horse of the Battery of Artiller	500	.	12,500	Sanctioned in G. O. No 398 dated the 1st February 1866. A revised estimate according to the Standard Plan is called for in G. O. No 3780 dated the 3d December 1868. the Estimate will be forwarded
Do	2	Do	Recreation and Coffee r for the Detachment Bu Infantry	100	.	7,100	[illegible] G. O. No 328 [illegible] Sanctioned ~~in~~ G. O. No 2765 of 28 August 1868 and work deferred under G. O. No 3142 of 6 October 1868. The Brigadier General Commanding the Southern District states as follows regarding this work. "Necessary. The arrangement proposed and carried out on Major General Dick's recommendation as recorded in his letter of the 9th September 1868 No. 182 to the Quarter Master General was made when only one Company of British Infantry was located at Trichinopoly There are now 2 Companies". Vide G. O. No 3812 dated 29th Sept. 1868. Mily. Dept.
Do	3	Do	Constructing Quarter for a Conductor of the Ordnance Department	060		4060	Sanctioned in G. O. No 3578 dated 8th November 1869.
					Carried over	23,660	

Executive (Division	Project No	Project Locality	Project Description	Estimate	Expenditure up to 31st March 1871	Estimate for 1871-72	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).
				ought forward		23,660	
No 1 Range	4	Trichinopoly	Constructing Quarters for Sub. Conductor of the Ordnan Department	3,600	.	3,600	Sanctioned in G.O. No 3578 dated the 8th November 1869.
Do	5	Do	Do Do for a Stor Serjeant of Do	3,600	.	3,600	Do
Do	6	Do	Do do for Do of	3,600	.	3,600	Do
Do	7	Do	Improvements to the Lab of the Native followers atta to the Battery of Artillery 9th Regiment Native Inf at Trichinopoly	4,110	.	4,110	Do
Do	8	Do	A New Guard room Lock and 3 Cells for the Deta -ment of British Infan including wash house an Urinary	,000	.	14,000	not sanctioned. In List of works submitted for the Approval of His Excellency the Command-er-in-chief for entry in Budget of 1871-72 by the Brigadier General Commanding the Southern District.
Do	9	Do	Quarters for Garrison Hosp Serjeant	Not sanctioned 3,600	.	3,600	Not sanctioned. These buildings are stated to be necessary as at present the Military Subordinates are accommodated in private buildings rented by the Executive Engineer.
Do	10	Do	Do for Garrison Serjeant M	Do 3,600	.	3,600	
Do	11	Do	Do for Sub Conductor of the Commissaria Department	Do 3,600	.	3,600	
Do	12	Do	Do for a Staff Serjea Commissariat D -partment	Do 3,600	.	3,600	
				arried over		66,970.	

Executive Division	Project			Estimate	Completed Expenditure up to 31st March 1871.	Estimate for 1871-72	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).
	No.	Locality	Description				
				rought forward		66,970	
No. 1 Range	13	Trichinopoly	Quarters for a Medical Warrant Officer attache to the Medical Store Depô @ Trichinopoly	4,000	..	4,000	Not sanctioned. In list of works submitted for the Approval of His Excellency the Commander-in-chief for entry in Budget of 1871-72 by the Brigadier General Commanding the Southern District. It is stated that this Building will not be required should the medical store Depôt be abolished.
Do.	14	Do.	New Privy for the m of the Detachment of British Infantry	3,500	..	3,500	Vide G. O. No. 3902 dated the 13th December 1869. As the existing Privies cannot be altered to admit of the dry earth System of conservancy it is proposed to build a new Privy for the men of the Detachment. Estimate will be shortly submitted
					Military	74,470	

Executive Division	No	Projet Locality	Projet Description	Estimate	Completed Expenditure up to 31st March 1871	Estimate for 1871-72	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).
			Civil Building				[illegible] 1871
No 1 Range	1	Trichinopoly	Constructing a Centra jail at Trichinop	6,000	3,67,312	8688	Sanctioned in G. O. No 2215 of the 15th September 1870 - Item No 6 in Budget of 1870-71 - Owing to a larger sum than that provided in the Estimate having been paid on Account of the salary of the Jail Superintendent &c and the Quarters for the Matron being required to be provided similar to those for the Deputy Jailor a sum of Rupees 15,228 or Rs 6540 in excess of the balance entered in Column 7 are required to complete the work exclusive of the cost of alterations referred to in G. O. No 1068 dated 9th August 1870 for which an Estimate will be shortly submitted.
Do	2	Do	Do a Lunatic Asylum a Trichinopoly	Rs 56,701 11,100	2178	89,222	Not sanctioned. Estimate submitted with letter No 605 dated the 21st August 1869. Vide also G. O. No 2311 dated the 20 July 1868.
Do	3	Do	Do a New Civil Dispen at Trichinopoly	18,500		†4,625	Sanctioned in G. O. No 2937 of 7 Septr 1869. † Portion to be contributed from Imperial Funds.
Do	4	Do	Alterations and repair proposed to be made t Saint John's Church a Trichinopoly	4,620		4,620	Sanctioned in G. O. No 1916 of 12th June 1869.
				Carried over		107,155	

Executive Division	Project			Estimate	Expended up to 31st March 1871	Estimate for 1871-72	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.)
	No	Locality	Description				
			Subsidiary Jails and Cutcherry	ght	forward	107,155	
No 1 Range	5	Trichinopoly	Constructing a Deputy Ta . dars Cutcherry and Sub with out houses at La on Standard Plan No	680	1026 Rs 8640 Rs 9866 9,866	3,815	
No 2 Range	6	Musiri	Do. a Deputy Tahsil Cutcherry and Sub-Jail with out houses at Tu including Compound wa between the Cutcherry and Mundapam	3,160	Do. Do. 3,197	9,963	Sanctioned in G.O. No 2475 dated 28th July 1869
No 3 Range	7	Wodiarpollium	Do. a Deputy Tahsil Cutcherry and Sub- with out houses at Rajendrapatam on Standard Plan No	,250	3,108	11,142	
No 4 Range	8	Kulitalley	Do. a New Tahsil Cutcherry on Standa Plan No 1 with sub Jail of 2 large and small wards toget with the necessary sub buildings at Kulit	7,990	7802 50 7852 7,883	20,107	
				rried	Over	152,182	

Executive Division	No	Project Locality	Project Description	Estimate	Completed expenditure upto 31st March 1871	Estimate for 1871-72	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).
				ght forward		152,182	
No 2 Range	9	Musiri	Constructing a Sub Jail of 2 large small wards with Police Guard room and outhouses detached	300	4567	1733	Sanctioned in G.O. No 2475 dated 28th July 1869.
Do	10	Perambalur	Constructing 2 large wards by a covered way to the Talug with outhouses at Perambalur Add Arrival for Asphalting the jail wards & Latrines as per No 2475 dated 28 July 1869	860 + 140 000	2757	2243	
No 3 Range	11	Woriarpalliam	Constructing Sub Jail of 2 large together with a Police Guard by a covered way to the existing with outhouses at Jeyamonda	000	1899	4101	
Do	12	Do	Constructing Sub Jail of 2 large Wards with Police Guard room houses detached at Ari	540	820 70	7720	
No 4 Range	13	Kalitallay	Constructing Out houses to the =parai Sub Magistrate's C	730	1504	1226	
Do	14		Subsidiary Jail works below 2500 Rs each as per the accompanying Statement A.	790	111	679	
			Total	Buildings		169,884	

Column shewing comple
of Civil Buildings included
on account of the
in Statement which

tures under the head
tioned for expenditure in 1870-71
Works and Cutcherries entered
No 576 dated 8th October 1870.

Executive Division	Project			Estimate	Complete expenditure upto 31st March 1871.	Estimate for 1871-72.	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).
	No	Locality	Description				
			Agricultural				
No. 4 Range	1	Kulitallay	Improvement of t Nunga Voikal	500	5,000	7,500	Sanctioned in G.O. No 1034 dated 20 April 1870.
			Total Agricul	—	—	7,500	
			Communicati				
No. 1 and 4 Ranges	1	Trichinopoly and Kulitallay	Re-metalling lo Trunk Road fro Trichinopoly to Ma	3,150	10869	42,281	G.O. No 1130 [illegible] Item No 193 in Budget of 1870-71.
			Total Communication	—	—	42,281	

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

Main Heads.	Imperial	Local	Total
Military	74,470		74,470
Civil Buildings	169,884		169,884
Agricultural	7,500		7,500
Communication	42,281		42,281
Total as per pages 6, 12 & 14	294,135		294,135

Supg Engineer's Office 6th Divn
Tanjore 22nd October 1870

Captain R.E.
Executive Engineer in charge 6th Divn

Trichinopoly District

List of Minor Works below Rs 2,500 each recommended for Execution in 1871-72.

Description of Work.	Amount of Estimate	Remarks.
Military		
Enclosing a piece of ground in front of the Royal Artillery Family Quarters at Trichinopoly for the purpose of soldier's garden	√ 1100	Sanctioned in G.O. No 1952 of 21st July 1867.
Providing Punkahs for the Family Quarters of the Royal Artillery	√ 795	Do in G.O. No 1755 of 12 June 1867.
Constructing a Skittle alley adapted for the American Bowl game for the Detachment of the British Infantry	√ 2,000	Do in G.O. No 1814 of 3d June 1869.
Two Solitary Cells for the 26th Regiment Native Infantry in the Poothoor Lines	√ 920	Do in G.O. No 2168 of 5th July 1869.
Constructing a Privy for the European Detail Hospital at Trichinopoly	√ 1,700	Do in G.O. No 3578 of 8th November 1869.
Alterations to the Quarters occupied by the Hospital Serjeant attached to European Detail Hospital at Trichinopoly	√ 610	Do in G.O. No 1026 dated 13 April 1870.
Carried over	7125	

Description of Work	Amount of Estimate	Remarks.
Brought forward	7125	
Alterations to the Non Commissioned Officers Privy and for a new Privy for the Battery of Artillery at Trichinopoly	√ 2,250	Sanctioned in G.O. No 1026 dated 13 April 1870
Converting old Medical Stores into Quarters for 2 Apothecaries	490	These Estimates have received the approval of His Excellency the Commander-in-chief and will be shortly submitted &c.
Constructing stables for 2 Horses for Apothecaries occupying the converted Quarters of the old Medical Stores	440	
Constructing Flag Staff on the rock in the Fort at Trichinopoly	380	
Constructing Bell Stand for the Ordnance Depôt at Trichinopoly	112	
Constructing a Privy for the families of the Detachment of British Infantry at Trichinopoly	1410	
Covering with wire netting the Ventilators of the Military Hospital at Trichinopoly	182	
Carried over	12,389	

Description of Work.	Amount of Estimate	Remarks.
Brought forward	12389	
Constructing Blacksmith's Forge in accordance with Standard Plan minus shoeing Shed for the Ordnance Depôt	1370	Estimates for these works were forwarded for the Approval of His Excellency the Commander-in-chief on the 13 April 1870 but not yet returned.—
Alterations to the Building converted into Ordnance Stores	700	
A New Cookroom for the Families of the Detachment British Infantry	500	In list of works submitted for the Approval of His Excellency the Commander-in-chief for entry in Budget of 1871-72 by the Brigadier General Commanding the Southern District.
Latrines for the Lascars of the Ordnance and Camp equipage Departments within the Depôt enclosure	600	
A New Shed for the Coopers of the Commissariat Department	450	
An Expense Magazine for the 26 Regiment Native Infantry in the Poothoor lines	650	
One Solitary Cell for the 9th Regiment Native Infantry in its new lines	460	
Fixing Lightning Conductor to Expense Magazine in Cavalry lines at Trichinopoly	150	
Carried over	17269	

Description of Work.	Amount of Estimate	Remarks.
Brought forward	17,269	
Three Punkahs for Canteen and one for School room of the Battery of Artillery	112	In list of works submitted for the Approval of His Excellency the Commander-in-chief for entry in Budget of 1871-72 by the Brigadier General Commanding the Southern District.
Roofing in Latrines of Native followers of the Detachment of British Infantry and adding Earth store and Cart shed	2055	
A Latrine for the Medical Store Depôt	150	
Enclosing portion of Soldier's Garden British Infantry Trichinopoly and other minor Improvements thereto	570	Do. Do.
A Defaulter's room for the 26th Regiment Native Infantry	450	
Public Quarters for two Hospital Apprentices attached to the Garrison Hospital	1500	
Altering the Seats in the existing Privies in use with European Troops at Trichinopoly	370	Estimate called for in G. O. No 1580 dated 1st July 1870 - Will be submitted shortly.
Total Military	22,476	

Description of Work.	Amount of Estimate	Remarks.
Civil Buildings		
Re-roofing and repairing the Jailer's quarters at the Trichinopoly District Jail	1100	Sanctioned in G.O. No 425 dated 5th February 1870.
Cut Stone flooring &c required to the Collector's Cutcherry at Trichinopoly	990	Estimate approved by Collector & will be shortly submitted.
Total Civil Buildings	2,090	

Supdg Engr's Office 6 Dn
Tanjore 22nd October 1870

Capt R.E.
Executive Engineer in charge 6 D.

Detail of Minor New Works for 1871-72

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 Improvements	Total of Minor New works estimated to cost less than Rs 5000 each
Trichinopoly	2,500	500	7500	500		11,000

Supdg Engr's Office 6 Dn
Tanjore 22nd October 1870

Captain R.E.
Executive Engineer in charge 6 Dn

Enclosure in letter
No 608 dated 22nd Octr/71
from the Supg Engineer of the
6. Division, to the Secretary
to Govt. P.W. Deptt.

PW 4236/71

Trichinopoly District
Part II Budget
Detail of Estimates
for Original works f
1871-72.

Sixth Division.
Trichinopoly District.
Part III Budget.
Detail of Estimate for Repairs for 1871-72.

		Estimate 1871-72.		Estimate 1870-71.	
		Amount	Total	Amount	Total
Trichinopoly. Military.					
Minor Repairs to Buildings		4882			4812
Cantonment Roads		1188			1188
House rent on account of Military Subordinates & of Medical Subordinates on Regimental duty		4100			4000
Do Do on account of Hospital Purveyors		330			"
Total Military			10,500		10,000
Trichinopoly. Civil Buildings.					
Trichinopoly Station — Minor Repairs to Revenue Buildings	Do	1500			1500
Musiri & Perambalore Stations — Do — Do	Do	800			800
Wodiarpalium Station — Do — Do	Do	600			600
Koolitalay Station — Do — Do	Do	500			500
Do to Police Stations		200			200
Total Civil Buildings			3600		3,600

		Estimate 1871-72		Estimate 1870-71	
		Amount	Total	Amount	Total
Trichinopoly	**Agricultural.**				
Agunda Cauvery	Repairs to the Augunda Cauvery River bank	2500			
	Defensive works including Nanal Plant	8000			
	Repairs to Sluices, Calingulas &c.	500			
	Maintenance of Plantations; Nanal & Bank watchers	2500	13,500	"	13,500
Cauvery River	Repairs to the Cauvery River banks	12000			
	Defensive Works including Nanal Plant	3500			
	Repairs to Sluices, Calingulahs &c.	500			
	Maintenance of plantations; Nanal & Bank Watchers	1500	17500	"	17500
Coleroon River	Repairs to the Coleroon River banks	5000			
	Defensive works including Nanal Plant	7,500			
	Repairs to Sluices Calingulahs &c.	500			
	Maintenance of plantations; Nanal & Bank watchers	2500	15,500	"	15,500
Iyaur River	Repairs to the Iyaur River banks	2000			
	Defensive works including Nanal Plant	250			
	Repairs to Sluices, Calingulahs &c.	750	3000	"	3000
Wyacondan channel	Repairs to Wyacondan channel banks	2500			
	Do to Calingulahs Sluices &c.	2000			
	Clearance of beds	3000	7,500		7,500
	Carried over		57,000		57000

		Estimate 1871-72		Estimate 1870-1871	
		Amount	Total.	Amount	Total.
	Brought forward		57,000		57,000
Ooppaur River	Repairs to the Ooppaur River Banks	500			
	Defensive works including Tanal plants	500			
	Repairs to Sluices Calingulahs &c.	2000	3000	..	3000
Paroovelay Channel	Repairs to the Perruvelay channel Banks	1000			
	Do to Sluices Calingulahs &c.	1000			
	Clearance of beds	1000	3000	..	3,000
Poodoo Iyen North & South Channels	Repairs to the Poodoo Iyen North & South channel banks	1000			
	Do to Sluices Calingulahs &c.	1000			
	Clearance of beds	1000	3000	..	3000
Pomairy Channel	Repairs to the Pomairy Channel Banks	2,500			
	Do to Sluices Calingulahs &c.	700			
	Clearance of Beds	500			
	Maintenance of plantations &c.	250	3950	..	3950
	Minor Repairs to Tanks Channels &c.		30050		12050
	Total Agricultural		+ 100,000		71000 82000

+ A Revised Statement showing the distribution of this sum will be forwarded as soon as the Supg Engr returns from Tinnevelly with reference to circular memo from the Chief Engineer for Irrigation No. 152 dated the 7th July 1870.—

			Estimate 1871-72.		Estimate 1870-71.	
			Amount.	Total.	Amount.	Total.
Trichinopoly.	Communication.					
Great Southern Road from Madras to the Travancore frontier	Repairs to Metalling 89 Miles	10 Miles at 680 Rupees per mile	6,800			
		29 — Do — at 250 Rupees per mile	7,250.			
		50 — Do — at 200 Rupees per mile	10000	24,050 ✓	"	24050 ✓
Road from Shealley in the Tanjore District to Salem via the Grand Anicut, Trichinopoly, Musiri, & Namankul.	— Do — Do — 49 Miles —	40 Miles at 250 Rs. per Mile	10,000 ✓			
		9 Do at 120 Rs. per mile	1,080	11,080 Sa 11/10/70 No. 1253	"	10,000 ✓
Repairs to Bridges				1235 ✓	"	1,235 ✓
Repairs to Travellers Bungalows				603	" 18/7/[illegible]	603 ✓
Special Repairs to Roads				1,250	"	"
Total Communication				38,218	"	35,888

Supg. Engr's Office 6th Dn.
Tanjore 22nd October 70

Capt. R.E.
Ex. Engineer in charge.—

Enclosure in Letter
No 608 dated 22nd Octr/7
from the Supg Engr. of the
6 Division, to the Secretar
to Govt. P. W. Dept.

PW4236/70

Trichinopoly Distric
Part III Budget.

Detail of Estima
for repairs for 1871-72.

6th Division
Tanjore District
Part II Budget

Detail of Estimate for Original works for 1871-72

Executive Division	Project No.	Locality	Description	Amount of Estimate	Expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or references. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Government of India the Register No. should be quoted
			Civil Buildings				
No. 1 Range	1.	Tanjore	Constructing a Jail at Tanjore	64000	"	32000	Sanctioned in G. O. No. 3622 dated 17th December 1864
No. 4. Do.	2	Nagapatam	Do. a Signal Office at Negapatam	15170		15170	Item No. 79 in Part II Budget of 1869-70 Vide also G. O. No. 2744 dated 20th August 1869 and No. 3142 of 29th September /69. Estimate forwarded to the Superintendent of Telegraph on the 7th April 1869 No. 36
No. 1 Do.	3.	Tanjore	Demolishing the walls of the Tanjore Fort	131000			Sanctioned in G. O. No. ~~559~~ 3399 dated ~~24th February 1864~~ 20th Nov/63
No. 3 Do.	4	Mayaveram	Constructing Head Assistant Collector's Cutcherry at Mayaveram	5500		5500	Plan and Estimate ordered to lie over in G. O. No. ~~561~~ 190 dated ~~23rd April 1870~~ 20 [illegible]
			Carried over			52670	

Executive Division	Project			Amount of Estimate	Completed expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or references. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here: If sanctioned by the Government of India the Register No. should be quoted
	No.	Locality	Description				
			Brought forward			52670	
			Subsidiary Jails and Cutcherries				
No 1 Range	5	Tanjore	Constructing New Sub Magistrate's Cutcherry on Standard Plan No 1 with 4 large and 3 small Jail wards and out houses at Tanjore	27300	13231 1825 15353	11947	Sanctioned in G.O. No 2475 dated 28th July 1869
No 2 Do	6	Combaconum	Do. a Deputy Tahsildar's Cutcherry at Tiruvidemaroodoor on Standard Plan No 2 with 2 large and 2 small Jail wards and out houses	12170	2580 5526	6644	
No 3 Do	7	Shealy	Do. a New Sub Magistrate's Cutcherry on Standard Plan No 1 with 2 large and 2 small Jail wards and out houses at Shealy	23960	8571 10679 1153 11592	12368	
No 1 Do	8	Mayaveram	Do a Deputy Tahsildar's Cutcherry at Perayaur on Standard Plan No 2 with 2 large and 2 small Jail wards and out houses	12670	6650 6159		GO 15/3/70 No 90 [illegible]
			Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No 2475 dated 28 July 1869	245	6835	6080	
				12915		89709	
			Carried over				

Executive Division	Project			Amount of Estimate	Anticipated Expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or References. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here: If sanctioned by the Government of India the Register No. should be quoted
	No.	Locality	Description				
			Brought forward			89709	
No. 4 Range	9	Tritrapoondy	Constructing a Deputy Tahsildars Cutcherry at Vadaranium on Standard Plan No. 2 with 2 large and 2 small Jail wards and out houses	12620	5107	7513	
No. 5 Do.	10	Puttoocottah	Do. a New Sub Magistrates Cutcherry on Standard Plan No. 1 with 2 large and 2 small wards and out houses at Puttoocottah	22880	3132	19748	Sanctioned in G.O. No. 2475 dated 28th July 1869.
No. 1. Do.	11	Tanjore	Do. 2 large and 2 small wards with out houses at Vallum	5720	Do.		
			Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No. 2475 of 28th July 1869	182			
				5902	3209	2693	
No. 2. Do.	12	Combaconum	Do. 2 Additional wards with out houses in the compound of Sub Jail at Combaconum	3790			
			Add Amount for asphalting the floors of Jail wards and Latrines as per G.O. No. 2475 of 28th July 1869	142			
				3932	1919	2013	
			Carried over			121676	

7

Executive Division	Project			Amount of Estimate	Completed Expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or references. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Government of India the Register No. should be quoted
	No.	Locality	Description				
			Brought forward			121676	
No. 3 Range	13.	Mayavaram	Constructing Sub Jail of 2 large and 2 small wards with Police Guard Room and out houses in the Compound of Taluq Cutcherry at Mayavaram	7030			
			Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No. 2475 dated 28th Jy 7/69	269			Sanctioned in G.O. No. 2475 dated 28th July 1869
				7299	7030	269	
No. 4. Do.	14	Negapatam	Constructing Sub Jail of 3 large and 3 small wards without houses in the compound of Taluq Cutcherry at Negapatam	7200	3793	3407	
No. 5 Do.	15	Mannargudy	Do. 2 small wards to the existing Sub Magistrate's Cutchery at Nadamingalam	3630			
			Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No. 2475 of 28th July /69	95			
				3725	2044	1681	
Do.	16	Do.	Do. 3 New wards without houses at Mannargudy	4380			
			Add amount for asphalting the floors of Jail wards and Latrines as per G.O. No. 2475 of 28th July/69	187			
				4567	1129	3438	
						130471	
			Carried over				

Executive Division	Project			Amount of Estimate	Completed Expenditure up to 31st March 1871	Estimate for 1871/72	Remarks or References. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here: If sanctioned by the Government of India the Register No. should be quoted
	No	Locality	Description				
			Brought forward			130471	
	17		Subsidiary Jail works below 2500 Rupees each as per the accompanying list A—	18060	3685	14375	Sanctioned in G. O. No 2475 dated 28th July 1869
			Total Civil Buildings			144846	

Column shewing completed expenditure under the head of Civil Buildings include the sums required for expenditure in 1870/71 on account of the several sub Jail works and Cutcherries &c in Statement which accompanied letter No 576 dated 6th October 1870

Executive Division	Project No.	 Locality	 Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or References. The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Government of India the Register No. should be quoted
			Agricultural				
No. 2 Range	1.	Combaconum	Completing a front and rear retaining wall and apron along the South Branch of the Lower Colleroon amount	70400			189
			Deduct				
			Estimates already completed Rs. 30800 " 5000 Do. Cancelled 16750	52550			Item No. 100 in Part II Budget of 1870/71
			For conveyance of Rough Stone	17850	15919	1931	
No. 1 and 2 Ranges	2	Tanjore and Combaconum	Regulating works for the Improvement of River Cauvery	137790			
			Deduct amount to be charged to Local funds as per G.O. No. 118 of 15 January 1869	34300			Item No. 101 in Part II Budget of 1870/71
				103490	97439	6051	
No. 1. 2 & 6 Ranges	3.	Tanjore Combaconum and Nunnilum	Regulators for the principal branches of the Vennaur	197240	100091	97149	Sanctioned in G.O. No. 2072 dated 29 August 1870 Item No. 102 in Part II Budget of 1870/71
No. 1 Range	4.	Tanjore	Cauvery and Vennaur Head works	520260		125000	Sanctioned in G.O. No. 2116 dated 3rd September 1870
			Carried over			230131	

Executive Division	Project No.	Project Locality	Project Description	Amount of Estimate	Amount of Expenditure up to 31st March 1871	Estimate for 1871/72	Remarks or References. The particulars as to whether the Estimate has been prepared or Sanctioned should be entered here If sanctioned by the Government of India the Register No. should be quoted
			Brought forward			230131	
		Moieties of the Cost of Masonry works over Irrigation Channels on the following District roads to be provided for from Imperial funds under G. O. No. 1378 dated 27th April 1869					
No. 4 Range	5.	Negapatam and Trutrapoondy	Moiety of the Cost of Culverts below 4½ feet span over Irrigation Channels on Road No. 65 from No. 35 near Hurrichendranady Bridge to Kivalore on Road No. 1 Estimate Rupees 60300—			3343	Item No. 183 in Part II Budget of 1870/71
No. 3 Do	6	Mayaveram	Do Do over Irrigating Channels on Road No. 73 from No. 2 near Cootthalum to Pulioor on Road No. 13. Estimate Rupees 27480—			3955.	Item No. 187 in Part II Budget of 1870/71.
No. 2 Do	7	Combaconum	Do Do over Do on Road No. 81 from Teroopdal to Temalagoody Estimate Rupees 35680—			5075	Item No. 188 in Part II Budget of 1870/71 – Estimate sanctioned in G.O. No. 630 dated 24th February 1870
			Carried over			242504	

Project				Amount of Estimate	Computed Expenditure up to 31st March 1871	Estimate for 1871-72	Remarks or references
Executive Division	No	Locality	Description				The particulars as to whether the Estimate has been prepared or sanctioned should be entered here. If sanctioned by the Government of India the Register &c. should be quoted.
			Brought forward			242504	
	8		Moiety of the cost of Masonry works over Irrigation Channels on District Roads below 2500 Rupees each as per List B.			3431	[illegible] items B [illegible] 2500 R. [illegible]
			Total Agricultural			245934	

Under this head the moieties of the cost of Masonry works over Irrigation Channels on the several District Roads which were required to be allotted in 1870-71 in the statement which accompanied letter No 425 dated the 23rd August 1870 have been omitted

Communication

None

Miscellaneous Public Improvements

None

Abstract of the grant proposed for all Original Works
to be disbursed by the P.W. Department.

Main Heads	Imperial	Local	Total
Civil Building	144846		144846
Agricultural	245934		245934
Communication			
Mis: Public Improvements			
Total as per pages 10 & 16	390780		390780

Supt Engrs Office 6th Divn
Tanjore 22nd October 1870

R Martyn Tullie Captain R.E.
Executive Engineer in Charge

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gr Office 6 Dn
5th October 1870

Montgomerie R.E.
Engineer in charge

Pr R.E.
Government P.W.D

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Captain R.E.
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19

Tanjore District

List of Minor New works below Rupees 2500 each recommended for execution in 1871/72

Description of work	Amount of Estimate	Remarks
Civil Buildings.		
Constructing a Moonsiff's Court House at Mayaveram	2020	Sanctioned in G.O. No 3126 of 2nd October 1866.
Erecting a Sea Custom House at Valangunny	1480	Do in G.O. No 3361 of 30th October 1867.
Improving the Cemetry of Roman Catholic at Negapatam	2250	Do in G.O. No 350 of 4th February 1867.
Constructing a Dead House for the Civil Dispensary at Combaconum	1480	Do in G.O. No 224 of 10th July 1869
Do Do for Do at Tranquebar	1560	Do Do
Adding a new room to the Building occupied as Assistant Collector's Cutcherry at Combaconum	400	Estimate called for in G.O. No 19 dated 28th April 1870 and forwarded to the Collector on the 23 July No 285
Constructing Quarters for a European Head Constable on the Karical frontier	1590	Sanctioned in G.O. No 141 dated 23rd September 1870.
Constg Huts for the Salt Police [illegible] a Head Constables Hut	2020 270	Vide also G.O. No 24 of the 7th October 18 [illegible]
Total Civil Buildings	10780	

RMontgomerie

Captain R.E.

Executive Engineer in Charge

Supdg Engrs Office 6th Divn }
Tanjore 22nd October 1870 }

Detail of Minor new works for [illegible]

District		
Tanjore	for Minor New works under Military	
	for Minor New works under Civil Buildings	2000
	for Minor New works under Agricultural	7500
	for Minor New works under Communication	1500
	for Minor New works under Miscellaneous Public Improvements	
	Total for Minor New works estimated to cost less than Rupees 2500 each	11000

RMontgomerie Captain R.E.

Executive Engineer in Charge

Supdg Engrs Office 6th Divn }
Tanjore 22nd October 1870 }

Engrs Office 6th Divn

25th October 1870

Montgomerie R.E.

Engineer in charge

Orr R.E.

Government P.W.D.

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Budget for 1871-72

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Obedt Servt

Captain R.E.

Engineer in charge

Enclosure in Letter
No 608 dated 22nd Octr/70
from the Supg Engineer of the
6th Division, to the Secretary
to Govt P.W. Depts

P.W. 4236/70

Tanjore District
Part II Budget
Detail of Estimates
for Original works
for 1871-72.

No 609

Supg Engrs Office 6 Dn.
Tanjore 25th October 1870

From
Captain P. Montgomerie R.E.
Executive Engineer in charge

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

Sir,

I have the honor to inform you that G.O. No 100 of the 17th Instant was received in this Office after the Budget for 1871-72 had been completed. I beg therefore that the works therein referred to and particularized below may be entered in the List of works below Rs 2500 which accompanied my letter No 608 dated 22d Instant.

	Rs
Estimate for constructing huts for the Salt Police	2020
—do— for a Head Constable's hut	270

I have the honor to be
Sir
Your most Obedt Servt
P. Montgomerie Captain R.E.
Executive Engineer in charge

Public Works 1870 Department
Progs of Govt for Decr
From No 4275

The Exe: Engineer
in charge

To The Secretary to Govt
P.W.D

Dated 25th } October 1870
Recd 27th }

No 609

— States that G.O. No 100 of the 17th Instant was received after the Budget for 1871-72 has been completed and requests that works within mentioned may be entered in the List of works below 2500 Rs. which was sent on the 22d Instant

No 3044-15th Decr

No 312

Part II.

Detail of Estimate for Original Works for 1871-72.

Project

Executive Division 1	No. 2	Locality 3	Description 4	Amount of Estimate 5	Complete Expenditure up to 31st March 1871 6	Estimate for 1871/72 7	Remarks or References 8
			I. Military				
			None				
			II. Civil Buildings				
Caroor Range		Erode	Taluk Cutcherry	[illegible]	[illegible]	[illegible]	[illegible] G.O. No. 3339 of 22d Oct/68
Do.		Dharapuram	Do.	25,040	16,110	8,930	Do. Do.
Coimbatore Do.		Polachy	Do.	25,040	20,167	4,870	Do. Do. & G.O. No. 730 of 5th March/69.
Do.		Oodumlpettah	Do.	25,500	17,181	8,320	Do. Do.
Do.		Pulladum	Subsidiary Jail and out Houses	4,700	2400	2,300	Estimate Sanctioned in G.O. No. 391 of 6th Febry/69
Collegal Do.		Talavady	Deputy Tahsildars Cutcherry and Subsidiary Jail	8,740	75	5,700	Estimate sent to Govt. with letter No. 208 of 4th March 1870.
Do.		Collegal	Subsidiary Jail and out Houses	5,650	3,794	1760	Estimate Sanctioned in G.O. No. 391 of 6th Febry/69.
Coimbatore Do.		Avenashy	Do. Do.	8,030	5,375	2,660	Do. Do.
			Carried over	126,160	81,476	46,740	

1	2	3	4	5	6	7	8
			Brought forward	1,28160	81476	46740	
			Civil Buildings (Contd)				
Caroor	Range	Konghiem	Deputy Tahsildars Cutcherry and Subsidiary Jail	7,120	364	6,760	Estimate sent to Govt. with letter No. 208 of 4th March 1870.
Coimbatore	Do.	Annamalay	Do. Do.	12,000		12,000	Estimate Sanctioned in G.O. No. 391 of 6th Feby./69
Caroor	Do.	Aravacoorchy	Do. Do.	9,520		9,500	Estimate sent to Govt. with letter No. 208 of 4th March 1870.
Collegal	Do.	Tamarakerra	Bungalows for the accommodation of Travellers, Public Works Subordinates, and the Police	3,000		+2,250	Estimate Sanctioned in G.O. No. 660 of 1st March /70 + Exclusive of Rs. 750 Sanctioned by the Revenue Board on account of Travellers Room.
Coimbatore	Do.	Coimbatore	Converting certain buildings in the Central Jail into Convict wards for District Jail	3,693		3,700	Estimate Sanctioned in G.O. No. 142 of 22d Apl./70
Do.		Do.	Collectors Cutcherry	50,000		30,000	Preparation of Plans & Estimates called for in G.O. No. 2391 of 22d July 1869.
			Police Stations			5,000	
			Total Civil Buildings	73,793	81,840	115,950	

III. Agricultural Ordinary

1	2	3	4	5	6	7	8
Coimbatore Range	Pollachy Talug	Areapooram Channel New Cut and Head Sluice		9,500	–	9,500	Plan & Estimate will be submitted immed
Caroor Do	Caroor Talug	Anicut and Head Sluice to supply Sennaparetty, Teroomanelloor, Balambapuram & Punchamadavy Irrigation Channels on right and left Banks of Amravatty near Caroor		30000	–	30000	Plans Surveys & Estimates under preparation will be submitted when Completed
		Total Ordinary		39,500		39,500	

Agricultural Extraordinary

1	2	3	4	5	6	7	8
Irrigation Range	Bhowany Talug	Verinjepett Anicut		–	–	150000	Plans & Estimates in the hands of the Chief Engineer.
		Total Extraordinary				150000	

IV. Communications

1	2	3	4	5	6	7	8
Collegal Range	Bhowany Taluq		Burghoor Ghaut New Trace	72,100	68,606	3,400	Estimate sanctioned in G.O. No. 162 of 12th January 1866
Coimbatore Do			Improvements in the road No. XIII from Coimbatore Railway Station to the Madura frontier at the Ambravatty River	40,000		10,000	Do Do in G.O. No. 3405 of 28th Novr/64
Collegal Do			Diverting the road No. 5 between Suttymangalum & Erode at Arasoor & bridging the Nullah of that name	6,400		6,400	Do Do in G.O. No. 3514 of 12th Novr/68
Do			Building 2 bridges & improving road above Haſsanoor Ghaut to Mysore frontier	14,435		14,430	Do Do in G.O. No. 3585 of 5th Decr/63
			Total Communications	132,935	68,606	34,230	

V. Mis: Public Improvements.

None.

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

Main Heads		Imperial	Local	Total
I. Military		-	-	-
II. Civil Buildings		115,950	-	115,950
III. Agricultural	Ordinary	39,500	-	39,500
	Extraordinary	1,50,000	-	1,50,000
IV. Communications		34,230	-	34,230
V. Miscellaneous		-	-	-
Total		3,39,680	-	3,39,68

Statement of the sums required for a 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 Improvements	Total for minor New works estimated to cost less than 500
Coimbatore	500	1,000	4,500	2,000	-	8,00

Supg Engr's Office 7th Dn
Coimbatore 20th Sept/70

Lt. Col. S.C.
Ag. Supg Engr 7th Dn

P. Works 1870 Department
Pr: of Govt Fort [illegible]
No. 37/ba

From The Supg Engineer
7th Du

To The Secretary to Govt &c
Madras

Dated 20th }
Rd 22nd } Septr 1870.
Enclosure

Detail of Estimate
for Original Works for
1871/72 Part II.

No. 3044 - 15 Decr/70

No 313

172

Detail of Estimate for Part II. Original Works for 1871/72.

Executive Division 1	No. 2	Locality 3	Project. Description 4	Amount of Estimate 5	Amount of expenditure up to 31st March 1871 6	Estimate for 1871/72 7	Remarks or References 8
			I. Military				
Neilgherry Range		Wellington	Substituting Timber for the Asphalte flooring in the Married Quarters & in No 5 Block of Barracks	27,775	5,925	21,850	Estimate sent to the Dy. A. Qr. Mr. General Southern Division with letter No 142 of 4th September 1868 - Item No 40 of Budget for 1869/70.
Do		Ootacamund	Lawrence Asylum Sanitarium	[illegible]	[illegible]	[illegible]	Item No 16 of the Budget for 1870/71 - G.O. No 885 of 30th March 1870 - G.O. No 1417 of 9th May 1867, G.O. No 2652 of 19th August 1868, G.O. No 3259 of 12th October 1866 & No 1924 of 27 June 1867, G.O. No 2180 of 1st Novr 1869. G.O. No 122 of 19th May 1870 - Estimates for Female Branch, Hospital, Water Service, & Drainage of Sites, submitted to Government.
Do		Wellington	Military Prison	42,634		42,630	Estimate sanctioned in G.O. No 1614 of 21st May 1866 - Item No 43 of Budget for 1867/68.
Do		Ootacamund	Quarters for 1st Apothecary	8,500		8,500	Estimate sanctioned in G.O. No 67 of 8th January 1866 - Standard Plan.
Do		Kotagherry	Do	8,500		8,500	Do Do Standard Plan.
Do		Wellington	Waterloo Bridge	14,660		14,660	Estimate sanctioned in G.O. No 1596 of 19th May 1868.
			Carried over	12,82,717	9,06,800	2,96,140	

1	2	3	4	5	6	7	8
			Brought forward	1282,717	906,800	296,140	
			Military (Contd)				
Neilgherry Range		Wellington	2 Wash Houses to the Hospital	4,540	..	4,540	Plan and Estimate sent to the Dy. A. Qr. Mr. General Sr. Dn. with Letter No. 142 of 4th September 1868
			Total Military	1287,257	906,800	300,680	
			II Civil Buildings				
Neilgherry Range		Ootacamund	Jailers Quarters	3,780	-	3,780	Estimate Sanctioned in G.O. No. 1736 of 15th June /64
Do		Do	Re-roofing the Commissioners' Office	3,200		3,200	Estimate submitted to Govt. with letter No. 102 of 20th August 1870 — Sanctioned in G.O. No. 2162 of 8th September 1870.
			Total Civil Buildings	6,980	-	6,980	

III. Agricultural

None.

IV. Communications.

1	4	5	6	7	8
Neilgherry Range	Road from Ootacamund to the Koondahs (Yeddagadoo Saddle)	35,000	21,728	13,270	Estimate Sanctioned in G. O. No 1635 of 23rd May 1868. Item No 339 of Budget for 1869/70.
D°	Extension of the above road from Yeddagadoo to Koondah Plateau. Section 2d	38,800	–	18,800	Estimate ready for submission
D°	Road to connect the two Government Plantations at the Pykara falls with each other, and with the high road from the Goodaloor Ghaut to Ootacamund including a Bridge over the Pykara river	24,670	3000	11,670	Estimate Sanctioned in G. O. No 1706 of 29th May 1868. Item No 340 of Budget for 1869/70.
D°	Road between Kartairy & Mailoor and the Devi Shola plantations D° D°	17,260	9,506	7,750	D° D° in D° Item No 341 of Budget for 1869/70
D°	Widening Goodaloor Ghaut to an uniform width of 18 feet	20000		20,000	Estimate will be submitted to Government shortly. Sanct. G.O. 31/10/70 No 2587
D°	Putting up parapet walls on the dangerous parts of the new Coonoor Ghaut	16,350	–	16,350	Estimate sent to Govt. with letter No 105 of 20th August 1870. Sanct. 6 Oct/70 No 2112
D°	Improving road from Teppakadoo Bridge to the 10th Mile Stone towards Ootacamund	4,200	–	4,200	28 Oct/70 No 2570 Estimate ready for submission
	Carried over	156,280	34,234	92,040	

1	2	3	4	5	6	7	8
			Brought forward	6,280	34,234	92,040	
			Communications (Contd)				
Neilgherry Range			Branch of the Koondah road to Avalanchee	9,230	—	9,230	Estimate ready for submission
Do	Nedivoottum		Renewing the Roof of the Travellers Bungalow	3,000	—	3,000	Estimate Sanctioned in G.O. No 752 of 9 March/69
			Total Communications	1,68,510	34,234	1,04,270	
			V. Miscellaneous Public Improvements				
Neilgherry Range	Ootacamund		Reclamation of the Swamp at the head of the Lake at Ootacamund	23,000	20,818	+2,200	Estimate Sanctioned in G.O. No 1500 of 12th May 1868. Item No 422 of the Budget for 1869/70. + Exclusive of Rs 4490 applied for in letter No 114 of 30 August 1870 for 1870/71.
Do	Do		Compensation for land taken up for the Reclamation & water supply projects at Do	*30,029	20,000	10,000	Estimate Submitted to Govt. with letter No 87 of 3 Augt/70 & recorded in G.O. No 1952 of 16 Augt/7 *of this Rs 20,000 have been Sanctioned in G.O. 3244 of 14 Octr/68. Item No 423 of Budget for 1869/7
			Total Mis. Public Improvements	53,029	40,818	12,200	

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

Main Heads	Imperial	Local	Total.
I. Military	300,680	-	300,680
II. Civil Buildings	6,980	-	6,980
III. Agricultural		-	
IV. Communications	104,270	-	104,270
V. Miscellaneous Public Improvements	12,200	-	12,200
Total	424,130	-	424,130

Statement of the sums required for Minor New Works estimated to Cost less than Rupees 500 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 Improvements	Total for Minor New Works estimated to Cost less than Rs 500 each.
Neilgherry	1500.	1000.	"	1000.	500.	4000.

Supg Engr's Office 7th Dn
Coimbatore 20th Septr/70

Ag Supg Engr 7th Dn

O. R. 8/10/70

From The Supdg. Engineer
7th Division

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

Dated Oct 4th 1870
Received

P.W. 3760 A/70

Part II

Detail of Estimate for Original Works for 1871-72.
([illegible] 12/1/72)

Part III.

Detail of Estimate for Repairs for 1871-72.

		1871-72. Amt.	1871-72. Total	1870-71. Amt.	1870-71. Total
	I Military				
Cannanore Range	Minor Repairs to Buildings Rs 8000 House rent to Military & Medical subordinates .. 3000	11000	"	9000	
	Cantonment roads	1000	"	1000	"
Calicut Range	Minor Repairs to buildings Rs 5000 and House Rent to Military and Medical Subordinates Rs 2750	7750	"	6000	"
Palghaut Range	House rent to Medical subordinates	250	"		"
	Total Military	"	20000	"	16000
	II Civil Buildings.				
Cannanore Range	Minor Repairs to Revenue &c Buildings	1500	"	1500	"
Calicut Range	Ditto D°	1500	"	1500	"
Palghaut Range	Ditto D°	1500	"	1500	"
	Ditto to Police D°	800	"	800	"
	Total Civil Buildings	"	5300	"	5300
	III Agricultural				
Palghaut Range	Maintenance Allowance to [illegible] Dam	500		1150	"
	Ditto D° to Viatil Dam	250	"		
	Minor Repairs to Irrigation work	900			
	Total Agricultural	"	1650	"	1150
	IV Communications.				
III	Great Western Road from Madras to Calicut 99 Miles @ 110 Rs. per mile	10890	"	10890	"
XX	Road from Calicut to Mangalore 84 Miles @ 110 Rs. per mile	9240	"	9240	"
	Carried forward	20130	"	20130	"

	1871-72 Amt.	Total	1870-71 Amt.	Total
Brought forward	20,130	„	20,130	„

Communications (Continued.)

	1871-72 Amt.	Total	1870-71 Amt.	Total
XXI Road from Calicut to the Mysore frontier via the Tambercherry Ghaut and Sultans Battery 27 Miles @ 110 Rs. per mile	2,970	„	2,970	„
~~XXII~~ Road from Cannanore to the Mysore frontier via the Perieh Pass & Manantoddy 30 Miles @ 110 Rs.	3,300	„	3,300	„
XXIII Road from Cannanore to the Mysore frontier via Muttanoor 34 Miles @ 110 Rs. per mile	3,740	„	3,740	„
XIII Road from Toundem on the Madura Coast to Palghaut via Ramnaad, Madura, Pulney, and Pollachy with a branch from Pollachy to Coimbatore 21 Miles @ 110 Rs. per mile	2,310		2,310	„
No. 12 Kootiadoy Ghaut Road 9 Miles @ 110 Rs. per mile	990	„	990	„
No. 12 Road from Coondotty to Foot of the Karkoor Ghaut 39 Miles at 110 Rs. per mile	4,290	„	4,292	
No. 12 Road from Edawanak to the Tiroor Station via Mulliapooram 32 Miles @ 110 Rs. per Mile	3,520		3,520	„
No. 22 Road from Tellicherry to Koottaparamba	1,000	„	1,000	
No. 23 Salt Road from Ponany to Puttamby 18 Miles @ 110 Rs. per mile	1,980	„	1,980	„
Carried forward	44,230		44,230	

	1871-72 Amt.	Total	1870-71 Amt.	Total
Brought forward	44,230	„	44,230	„

Communications (Continued.)

	1871-72 Amt.	Total	1870-71 Amt.	Total
Canal from Cochin to Malabar	6600	„	6600	„
Sultans Canal	300	„	300	„
Special Repairs to Roads	10,800		„	
Communications	61,930	„	57,130	„
V Miscellaneous Public Improvements Minor Repairs &ca Total Mis. Pub. Improvements	600	„	200	„

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

Main Heads.	Imperial	Local	Total
I Military	20,000	„	20,000
II Civil Buildings	5,300	„	5,300
III Agricultural	1,650	„	1,650
IV Communications	61,930	„	61,930
V Mis. Pub. Improvements	600	„	600
Total	89,480	„	89,480

Supg. Engrs. Office 7th Dn.
Coimbatore 20th Septr. 1870

Lt. Colonel
Ag. Supg. Engineer 7th Dn.

R.P.

From The Supg. Engineer
7th Division.

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

Dated 28th Septr. 1870
Received

P.W. 8760 A/70

Part III.

Detailed Estimate for
Repairs for 1871-72-

Memorandum shewing details of all Maintenance Allowance Grants of Roads entered in part III of Budget for 1871-72, required in para. 5 of G. O. No. 4919 of 4th October 1865.

	Allotment for			Total			
	Cannanore Range	Calicut Range	Palghaut Range	Imperial	Local	Both	Remarks or References.
III Great Western, road from Madras to Calicut 99 Miles @ 110 Rs. per Mile	"	3,520	7370	10,890	"	10,890	G. O. No. 3711 of 27. November 1868
XX Road from Calicut to Mangalore 84 Miles @ 110 Rs.	6600	2640	"	9240	7700	16,940	Ditto
XXI Road from Calicut to the Mysore frontier via the Tamberchery Ghaut & Sultans Battery 27 Miles @ 110 Rs.	"	2970	"	2970	"	2970	Ditto
XXII Road from Cannanore to the Mysore frontier via the Periah Pass & Manantoddy 30 Miles @ 110 Rs. per Mile	3300	"	"	3300	"	3300	Ditto
XXIII Road from Cannanore to the Mysore frontier via Muttanoor 34 Miles @ 110 Rs. per Mile	3740	"	"	3740	3740	7480	Ditto
XIII Road from Paumben on the Madura Coast to Palghaut via Ramnaad, Madura, Pulney & Pollachy with a branch from Pollachy to Coimbatore 21 Miles @ 110 Rs.	"	"	2310	2310	"	2310	Do. No. 1610 of 15. May 1869
No. 12 Kootiady Ghaut Road 9 Miles @ 110 Rs. per Mile	990	"	"	990	"	990	Do. No. 3711 of 27. November 1868
No. 12 Road from Coondotty to foot of the Karkoor Ghaut 39 Miles @ 110 Rs. per Mile	"	4290	"	4290	"	4290	Ditto
No. 12 Road from Edawanah to the Tiroor Station via Mulliapooram 32 Miles @ 110 Rs. per Mile	"	2970	550	3520	"	3520	Ditto
No. 22 Road from Tellicherry to Koothaparamba	1000	"	"	1000	$\frac{1000}{1700}$	2000	Ditto
No. 23 Salt Road from Ponany to Tuttamby 18 Miles @ 110 Rs. per Mile	"	"	1980	1980	"	1980	Ditto
Canal from Cochin to Malabar 66 Miles @ 100 Rs. per Mile	"	"	6600	6600	"	6600	Do. No. 3374 of 11th Novr. 1865
Sultan's Canal	300	"	"	300	"	300	Do. No. – of 3d. May 1841
Special Repairs to Roads	"	"	"	10,800	"	10,800	G. O. No. 1610 of 15th May 1869
Total Communications	15,930	16,590	18,810	61,930	12,440	74,370	

Supg. Engrs. Office 7th Dn.
Coimbatore 20th September 1870.

Lt. Colonel C.E.
Ag. Supg. Engineer 7th Dn.

R.P.

From The Supdg. Engineer
1st Division

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

Dated 10th 1870
Revenue

C.H. 37604/71

Memorandum showing details of all Maintenance Allowance Grants entered in part III of Budget for 1871-72 required in para 5 of G.O. No. 4949 dt. Octr 1865.

Part III

Detail of Estimate for Repairs for 1871-72.

I. Military.

		1871-72. Amt.	Total	1870-71. Amt.	Total
Neilgherry Range	Minor Repairs to buildings ——— Rs. 8712 House rent for Military and Medical Subordinates 1200	9912	„	6712	„
	Water Course No. 1, 3 & 4 G.O. No. 2408 of 24th Decr. 1861	216	„	216	„
	Bazaar Water Course ——— Ditto	72	„	72	„
	Total Military	10200	„	7000	

II. Civil Buildings.

Neilgherries	Minor Repairs to Revenue &c. buildings	2000	„	2000	„
	Ditto to Police Stations	200	„	„	„
	Total Civil Buildings	2200	„	2000	

IV.

Communications.

Ghaut & Exceptional Roads.

No. 10 New Road from Coonoor to Ootacamund 12 Miles @ 220 Rs.	2640	„	2640	„
Ootacamund by Seegoor Ghaut to Teppacadoo 26 Miles @ 110 Rs.	2860	„	2860	„
Goodaloor Ghaut Road above, 30 Miles @ 110 Rs. per mile	3300	„	3300	„
Carried forward	8800	„	8800	„

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	1871-72 Amt.	Total	1870-71 Amt.	Total
Brought forward	8800	"	8800	"
New Coonoor Ghaut 16 Miles @ 625 Rs. per mile	10,000	"	10,000	"
Minor Repairs to Roads below Rs. 2500 each	7920	"	7920	"
Special repairs to Road	1610	"	"	"
Total Communications	"	28330	"	26720

V. Miscellaneous Pub. Impts.

	1871-72 Amt.	Total	1870-71 Amt.	Total
Minor Repairs	700	"	300	"
Total Mis: Pub. Improvts.	"	700	"	300

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

Main Heads	Impl.	Local	Total
I Military	10,200	"	10,200
II Civil Buildings	2,200	"	2,200
III Agricultural	"	"	"
IV Communications	28,330	"	28,330
V Miscellaneous Public Improvements	700	"	700
Total	41,430	"	41,430

Supg. Engrs. Office 7th D.
Coimbatore 2nd Septr. 1870.

Lt. Colonel S.C.
Ag. Supg. Engineer 7th D.

Carried forward 20560 20560 20560 " 20560

R.P.

No 1

Memorandum shewing details of all Maintenance Grants of roads entered in Part III of the Budget for 1871-72 required in para 5 of G. O. No 2919 of 4th October 1865.

Details of Works.	Allotment for Nilghiry Range	Total Imperial	Local	Both	Remarks or references
No 10: New Road from Coonoor to Ootacamund 12 miles @ 220 Rs. per mile	2640	2640	"	2640	G. O. No 1350 of 23d April 1869.
Ootacamund by Seegoor Ghaut to Teppacadoo 26 Miles @ 110 Rs. per mile	2860	2860	"	2860	Ditto
Gondaloor Ghaut and Road above, 30 Miles @ 110 Rs. per mile	3300	3300	"	3300	Ditto
New Coonoor Ghaut, 16 Miles @ 625 Rs. per mile	10,000	10,000	"	10,000	Ditto
Minor Repairs below 2500 Rupees each.					
Ootacamund Station Roads 16 Miles @ 110 Rs. per mile	1760	1760	"	1760	Ditto
Carried forward	20560	20560	"	20560	

Brought forward	20560	20560	"	20560	
Wellington Cantonment Roads, 12 Miles @ 110 Rs. per mile	1320	1320	"	1320	Vide Lr. No. 1350 of 23rd April 1869
Coonoor Station Roads, 8 Miles @ 110 Rs. per mile	880	880	"	880	Ditto
Coonoor to Kotagherry, 12 Miles a 110 Rs. per mile	1320	1320	"	1320	Ditto
Ootacamund to Kotagherry 12 Miles @ do.	1320	1320	"	1320	Ditto
Ootacamund to Lawrence Asylum & Devashola, 12 Miles @ do.	1320	1320	"	1320	Ditto
Special Repairs	1610	1610	"	1610	Ditto
Total Communications	28330	28330	"	28330	

Supg. Engrs. Office 7th Dn.
Coimbatore 20th Sept. 1870.

Colonel R.E.
Supg. Engineer 7th Dn.

From, The Supg Engineer
7th Division

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

Dated 20th } Septr 1870.
Rd }

P.W. 8760 A/70.

Memorandum showing details of all Maintenance Grants of Roads entered in Part III of the Budget for 1871/72. reqd in Para 5 of G. O No. 2914 of 4th October 1865.

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Part III.

Details of Estimate for Repairs for 1871/72.

	1871-72 Amount	1871-72 Total	1870-71 Amount	1870-71 Total
I. Military				
Mangalore Range - Minor Repairs to buildings Rs 1000 Horse Road for [illegible] 300	1300	1300	1300	1300
II. Civil Buildings				
Mangalore Range - Minor Repairs to Rev: &c buildings	1000		1000	
Coondapoor - Do - Do - Do	1000		1000	
Poottoor - Do - Do - Do	1000		1000	
- Do to Police Buildings	500		500	
Total Civil Buildings	-	3500	-	3500
IV. Communications				
No. XX Road from Calicut to Mangalore 86 Miles at 110 Rs per Mile	9460	-	9460	
No. XXIV Do from Mangalore to the Mysore frontier via the Sumpajee Ghaut 48 Miles at 110 Rs per Mile	5280	-	5280	
No. XXV Road from Mangalore to the Mysore frontier via the Agoomby Ghaut 63 Miles at 110 Rs ~~per Mile~~	6930		6930	
No. 11 Cooloor Ghaut Road from Mandadee to the Mysore frontier 32 Miles @ 110 Rs per Mile	3520		3520	
Carried over	25190		25190	

	1871/72. Amount	Total	1870/71. Amount	Total
Brought forward	25190		25190	
Communications (Contd)				
No 11. Kodikal Ghaut Road via Charmady to Buntwall 42 Miles at 110 Rs per Miles	4620	-	4620	
No 11. Road from the Mungirabad Ghaut to Manni via Oopinangady 42 Miles at 110 Rupees per Mile	4620	-	4620	
No 11. Branch from Hautkul on the road to Byndoor 16 Miles at 110 Rs per Mile	1760	-	1760	
No 11. Road from Someshwar at the foot of the Agoomby Ghaut to Hullady 18 Miles at 110 Rs per Mile	1980		1980	
No 11 Road from Hospett near Someshwar to Oodipi with branch to Bajé 20 Miles at 110 Rupees per Mile	2200		2200	
Special Repairs to Roads	1,430			
Total Communications	41,800		40,370	
Miscellaneous Public Improvements				
Minor repairs	25		25	

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

	Main Heads	Imperial	Local	Total.
I.	Military	1,300	-	1,300
II	Civil Buildings	3,500		3,500
III	Agricultural			
IV.	Communications	41,800	-	41,800
V.	Miscellaneous Public Improvements	25		25
	Total	46,625	-	46,625

Supg Engrs Office 7th Dn
Coimbatore 20th September 1870

Lt Col. S.C.
Ag Supg Engr 7th Dn

K.P.

From The Ex. Engineer
7th Division

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

Dated 21st Feb 1872
Received

P.W. 3760 A/70

Detail of Estimate for
Repairs for 1871-72

Memorandum shewing details of Maintenance Grants of Roads entered in part III of Budget for 1871/72 required in para 5 of G. O. No. 2919 of 16th October 1865

	Allotment for Mangalore Range	Allotment for Cuddapah Range	Allotment for Bellary Range	Total Imperial	Total Local	Both	Remarks or References
No. XX. Road from Calicut to Mangalore 86 Miles at 110 Rupees per Mile	1760	-	7,700	9460	-	9460	G. O. No. 3711 of 27th Novr 1868
No. XXIV. Road from Mangalore to the Mysore frontier via the Sumpajee Ghaut 45 Miles at 110 Rs per Mile	.	-	5,250	5,250	-	5,250	Do
No. XXV. Road from Mangalore to the Mysore frontier via the Agoomby Ghaut 63 Miles at 110 Rs p. Mile	3,630	3,300	-	6,930	-	6,930	Do
No. 11 Coloor Ghaut Road from Wandoor to the Mysore frontier 32 Miles at 110 Rs per Mile	-	3,520	-	3,520	-	3,520	Do
No. 11. Kodikul Ghaut Road via Charmady to Buntwall 42 Miles at 110 Rupees per Mile	4,620		-	4620	-	4,620	Do
No. 11 Road from the Munzerabad Ghaut to Manni via Oopinangady 42 Miles at 110 Rs per Mile		-	4620	4,620	-	4,620	Do
No. 11 Branch from Hathkul on the Road to Byndoor 16 Miles at 110 Rs per Mile		1760		1,760	-	1,760	Do
No. 11 Road from Someshwar at the foot of the Agoomby Ghaut to Hulliady 18 Miles at 110 Rs per Mile		1980		1980	-	1980	Do
No. 11 Road from Hospett near Someshwar to Oodipi with Branch to Barkoor 20 Miles at 110 Rs per Mile		2200		2200	.	2200	
Special Repairs to Roads				1,430	-	1,430	G. O. No. 1610 of 15th May 1869
Total Communications	10,010	12,760	17,600	41,800		41,800	

Supg Engrs Office 7 D.
Coimbatore 28th Septr /70

R.P.

W. Hardwicke Lt Coll S.C.
Actg Supg Engr 7 D.

Part III.

Detail of Estimate for Repairs for 1871/72.

	1871/72 Amount	1871/72 Total	1870/71 Amount	1870/71 Total
I. Military				
Coimbatore District - Minor Repairs to Buildings	400	400	400	400
II Civil Buildings				
Coimbatore Range - Minor Repairs to Rev: &ca buildings	1,500		1,500	
Collegal — Do — Do — Do	750		750	
Caroor — Do — Do — Do	750		750	
Coimbatore District — Do to Police buildings	400		400	
Total Civil Buildings		3,400		3,400
III. Agricultural				
Coimbatore Range - Minor Repairs to Irrigation Channels and Tanks	3,417		50925 50,925	
Collegal — Do — Do — Do	4,602			
Caroor — Do — Do — Do	17,270			
Irrigation — Do — Do — Do	16,080			
Total Agricultural		69,369		50,925
IV. Communications				
Coimbatore District				
XII. Portion of the Great Western road from Madras to Calicut 72 Miles at 110 Rs per Mile	7,920		7,920	
XIII Portion of the Road from Pambem on the Madura Coast to Palghaut via Ramnaad, Madura Palney & Pollachy, with a branch from Pollachy to Coimbatore 65 Miles at 110 Rs per Mile	7,150		7,150	
Carried over	15,070		15,070	

From
The Supy Engineer
7th Divn

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

Dated 20th } Septr 1870
No. }

P.W. 3760 A/70

Memorandum showing details of Maintenance grants of Roads embraced in Part III of Budget for 1871/72 vide para 7 of G.O. No. 2929 of 4th October 1865

	1871/72 Amount	1871/72 Total	1870/71 Amount	1870/71 Total
Brought forward	15,070		15,070	

Communications (Continued)

	1871/72 Amount	1871/72 Total	1870/71 Amount	1870/71 Total
No. 8 Hassanoor Ghaut Road from Errode to the Mysore frontier 60 Miles at 110 Rs. per Mile	6,600	-	6,600	-
No. 9 Burghoor Ghaut Road from Errode to the Mysore frontier via Collegal 91 Miles at 110 Rupees per Mile	10,010	-	10,010	-
Special Repairs to Roads	2,560			
Total Communications	34,240		31,680	

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

Main Heads	Imperial	Local	Total
I. Military	400	-	400
II. Civil Buildings	3,400	-	3,400
III. Agricultural	69,369	-	69,369
IV. Communications	34,240		34,240
V. Miscellaneous Public Improvements			-
Total	107,469		107,469

IIIX

Supg. Engr's Office 7th Dn.
Coimbatore 20th Septr. 1870

Lt. Col. S.C.

Ag. Supg. Engr. 7th Dn.

P.P.

From The Supg. Engineer
7th Division

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

Dated 20th Septr. 1870
Received

P. W. 3760 A/70.

Detail of Estimate for
Repairs for 1871-72.

Memorandum shewing the details of all Maintenance Grants of Roads entered in part III of Budget for 1871/72 required in para 5 of G.O. No. 2919 of 14th October 1865.

	Allotment for Coimbatore Range.	Collegal Range.	Cauvery Range.	Irrigation Range.	Total Imperial	Local.	Both.	Remarks or References
III. Portion of the Great Western road from Madras to Calicut 72 Miles at 110 Rs per Mile	5,500		2,420		7,920		7,920	G.O. No. 2919 of 14th Octr 1865
XIII. Portion of the Road from Pamben on the Madura Coast to Palghaut via Ramnaad, Madura, Palney & Pollachy, with a branch from Pollachy to Coimbatore, 65 Miles at 110 Rs per Mile	7,150				7,150		7,150	Do — Do
No. 8. Hassanoor Ghaut Road from Errode to the Mysore frontier 60 Miles at 110 Rs per Mile		6,600			6,600		6,600	Do — Do
No. 9. Burghoor Ghaut Road from Errode to the Mysore frontier via Collegal 91 Miles at 110 Rs per Mile		10,010			10,010		10,010	Do — Do
Special Repairs to Roads					2,560		2,560	G.O. No. 1610 of 15th May 1869.
Total Communications	12,650	16,610	2,420		34,240		34,240	

Supg Engrs Office 7th Dn
Coimbatore 20th Septr 1870.

Lt Col. S.C.
Ag. Supg Engr 7th Dn

R.P.

193

From
The [illegible] Executive Engineer
1st Division
To
The Secy to Government
P.W.D.
Madras
Dated 21st Apr 1870
Received

P.W. 3760 A/70

Memorandum showing details of all Maintenance Allowance Grants of Roads entered in part III of Budget for 1871-72 [illegible]
[illegible] Octr 1865

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

Detail of Estimate for Part II. Original Works for 1871/72.

Executive Division 1	No. 2	Locality 3	Project Description 4	Amount of Estimate 5	Computed expenditure up to 31st March 1871 6	Estimate for 1871/72 7	Remarks or References 8
			I. Military				
Mangalore Range		Mangalore	Artillery Bullock shed	6,850			Ordered to lie over in G. O. No. 3034 of 30th Septr. /67.
			Total Milita	6,850			
			II. Civil Buildings				
Mangalore Do.		Mangalore	Subsidiary Jail and out houses	7,835	6179	1650	Estimate Sanctioned in G. O. No. 1193 of 5th May 1870.
Pootoor Do.		Oopinangady	Do. Do.	5,975	3943	2030	Ditto
Do.		Hosdroog	Do. Do.	5,310	4441	870	Ditto
Do.		Casergode	Do. Do.	4195	3372	830	Ditto
Mangalore Do.		Bellangady	Do. Do.	6,550	2,635	2920	Estimate Sanctioned in G. O. No. 3367 of 26th October 1868. Revised Estimates sent with letter No. 104 of 20th August 1870.
Do.		Buntwall	Do. Do.	3,570	1,520	2,050	
Coondapoor Do.		Karkal	Do. Do.	3,170	2454	720	Estimate Sanctioned in G. O. No. 3367 of 26th Octr. 1868.
Do.		Bramawar	Moonsiffs Court	3,950	2,368	1600	Estimate Sanctioned in G. O. No. 3822 of 9th Decr. 1867.
Mangalore Do.		Mangalore	Coir Godown	8,700		8,700	Do. Do. in G. O. No. 3057 of 29th Septr. /68 - Item No. 90 of Budget for 1869/70.
			Carried ove	49,255	26,912	21,370	

1	2	3	4	5.	6	7	8.
			Brought over	49,255	26,912	21,370	
			II Civil Buildings (Contd.)				
Coondapoor Range	Coondapoor		Cutcherry for the Head Assistant Collector	6000		6,000	Called for in Revenue Depart. G.O. No 117 of 16th January 1869 - Standard plan under consideration (Collectors letter No 616 of 7th May 1870.)
			Police Stations &ca			1000	
			Total Civil Buildings	55,255	26,912	28,370	
			III. Agricultural				
			None				
			IV. Communications.				
Pootoor Range			Imperial Road No XX from Pani Mangalore to Hosdroog	79,640	35,023	15,000	Estimate sanctioned in G.O. No 3577 of 27th Novr/65. Item No 362 of Budget for 1869-70.
Do			Do Do Section between Mangalore and Cannanore - Portion from Hosdroog to the Malabar frontier in continuation of the 1st item under Communications	75,000		15,000	Estimate in hand.
Do			Improvements to the Munzerabad Ghaut Road No 11.	9,850		9,850	Estimate Sanctioned in G.O. No 2321 of 16th July 1869 - work much required vide G.O. No 1162 of 3d May 1870.
Do			Reconstructing Boodolly and Nelliady bridges on the road between Maany and Munzerabad Ghaut Imperial Road No 11	4,710		4,710	Estimate sent with letter No 103 of 20th August 1870 - (If Iron Girders are sanctioned the estimates will probably require to be increased.)
Do			Bridges below the Charmady or Kodecal Ghaut	9,245	5,220	4,000	Estimate Sanctioned in G.O. No 3069 of 25th September/66. Item No 406 of Budget for 1869/70.
			Carried over	1,78,445	40,243	48,560	

1	2	3	4	5	6	7	8
			Brought over	1,78,445	40,243	48,560	
			Communications (Contd)				
Mangalore Range			Charmaby bridge below Kodekal Ghaut Road No 11	2,770	379	2400	Estimates sanctioned in G.O. No 3136 of 3d October 1866.
Do			Sanior bridge on road No XXV from Mangalore to the Mysore frontier by the Agoomby Ghaut	7045	3,317	3,730	Do in G.O. No 3638 of 20th November 1868.
Do			Bellachar bridge on Road No XXV from Mangalore to Mysore frontier by the Agoomby Ghaut	[illegible]	[illegible]	[illegible]	Do in G.O. No 3638 of 20th November 1868.
Coondapoor Do			Matebetto bridge on the road from Mangalore to Agoomby Ghaut Imperial road No XXV	10,050		7,500	Do in G.O. No 3444 of 3d November 1868.
Mangalore Do			Chungargoondy bridge on Road No XXV from Mangalore to the Mysore frontier by the Agoomby Ghaut	2,700		2700	Do in G.O. No 3638 of 20th November 1868.
				204,090	45,380	66,530	
			Carried over				

1	2	3	4	5	6	7	8
			Brought over	204,090	45,380	66,530	
			Communications (Contd.)				
Coondapoor Range			Minor bridges between the Mysore frontier and the head of the Cooloor Ghaut Imperial road No. 11	9,590		7,000	Estimate Sanctioned in G.O. No. 3444 of 3d Novr./68.
Pootoor Do.			Travellers Bungalows at Oopinangady and Goletatoo	6,400		6,400	Estimate Submitted to Govt., vide G.O. No. 3615 of 22d Novr./67, & No. 2423 of 24th July 1869.
			Total Communications	2,20,080	45,380	79,930	

V. Miscellaneous Public Improvements

None.

2 Abstract of the Grants proposed for all original works to be disbursed by Public Works Department.

Main Heads	Imperial.	Local.	Total.
I. Military	"		"
II. Civil Buildings	28,370	-	28,370
III. Agricultural	-	-	-
IV. Communications	79,930	-	79,930
V. Miscellaneous Public Improvements	-	-	-
Total	108,300	-	108,300

Statement shewing 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 Improvements.	Total for Minor New works Estimated to Cost less than 500 Rs. Each.
South Canara.	300	500	-	2,000	-	2,800

Supg Engr's Office 7th Dn
Coimbatore 20th September 1870

Lt. Colt. S.C.
Ag Supg Engr 7th Dn

R.P.

From The Supdg. Engineer
7th Division

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

Dated 20th Septr. 1870
Received

P.W. 3760 A/70 –

Part II

Detail of Estimate for Original
Works for 1871-72 –

Part II.

Detail of Estimate; for Original Works for 1871-72.

Project.

Executive Division 1	No 2	Locality 3	Description 4	Amount of Estimate 5	Completed Expenditure up to 31st March 1871 6	Estimate for 1871/72 7	Remarks or References 8
			I. Military				
Cannanore Range		Cannanore	Renewing floors of the European Infantry Barracks	31,180	21,500	9,680	Estimate Sanctioned in G. O. No 2820 of 3d Septr/68. Item No 12 of Budget for 1870-71.
Do		Do	A range of Workshops for the European Infantry Barracks	14,300	9,780	4,520	Do Do in G. O. No 3915 of 18th December 1867. Item No 47 of Budget for 1869/70. Standard Plan.
Do		Do	Orderly room for the Officer Commanding, and Offices for the Adjutant, Quarter Master, and Paymaster	8,010	6,607	1,400	Do Do in G. O. No 3743 of 26th Novr/66. Item No 48 of Budget for 1869-70.
Do		Do	Improving the drainage of the Parade Ground	10,450	950	9,500	Do Do in G. O. No 3571 of 16th Novr/68. Item No 45 of Budget for 1869-70.
Do		Do	Constructing Fives Court for the Artillery	5,000	1,460	3,540	Do Do in G. O. No 2127 of 30th June /69 Part of Item No 46 of Budget for 1869/70.
Do		Do	Plunge bath for the Artillery	3,470		3,470	Do Do Do
Do		Do	Subsidiary buildings for the Artillery	18,360		18,360	Do Do Do
Do		Do	Plastering 10 blocks of Married Quarters	5,900	3,276	2,630	Do Do in G. O. No 828 of 13th March/69.
			Carried over	96,670	43,573	53,100	

1	2	3	4	5	6	7	8
			Brought forward	96,670	43,573	53,100	
			Military (Contd.)				
Cannanore Range		Cannanore	Latrines & Dry earth Stores for 2 Native Infantry Regiments, and 1 Earth Stores to the Latrines of Hospitals	14,720		14,720	Estimate Sanctioned in G. O. No. 352 of 1st Febry /68. On Doctor Arnold Smith's Standard Plan
Do. & Calicut Ranges		Cannanore Calicut and Malliapooram	Punkahs to the Barracks at Cannanore, Calicut, and Malliapooram	17,000	862	16,150	Estimate Sanctioned in G. O. No. 3751 of 1st Decr /68 & G. O. No. 40 of 7th January 1869.
Cannanore Range		Cannanore	Quarters for a Conductor & a Staff Serjeant of the Commissariat Department	10,230		10,200	Do. Do. in G. O. No. 2345 of 19th July 1869. Standard Plan.
Do.		Do.	Slaughter House and Cattle Yards	6,200		6,200	Do. Do. in G. O. No. 3163 of 12th October 1867. Standard Plan.
Do.		Do.	Field Elephant Shed for 15 Elephants	3,310		3,310	Do. Do. in G. O. No. 3743 of 26th Novr. /66.
Do.		Do.	Bullock shed for the Commissariat Department	2,500		2,500	Do. Do.
Do.		Do.	Paving Wells in the Cantonment	2,790		2,790	Do. Do. in G. O. No. 1273 of 17th April 1869.
Do.		Do.	Garrison Hospital & Lock Hospital	72400 vide [illegible] 83,900			Sanction deferred vide G. O. No. 1260 of 16th May /70.
Calicut Range		Calicut	Quarters for the Officer Commanding Calicut	8,000		8,000	Estimate in hand. Called for in G. O. No. 6 of 7th September 1870.
			Total Military	245,120	44,435	116,970	

II. Civil Buildings

1.	2	3	4	5.	6	7	8.
Calicut Range		Calicut	Lunatic Asylum	34,000	28,550	5,450	Revised Estimate Sanctioned in G.O. No. 99 of 8th April 1870 - Item No. 24 of Budget for 1870/7
Cannanore Do		Tellicherry	Taluk Cutcherry	30,000	26,017	3,980	Estimate Sanctioned in G.O. No. 3339 of 22nd October /68, ~~& G.O. No. 2030 of 22nd June 1869~~ - Item No. 64 of Budget for 1870/71.
Calicut Do		Kuringery	Do	25,000	18,326	6,670	Do Item No. 65 of Do
Cannanore Do		Cannanore	Central Jail including Pay of Jail Superintendent	327,000	278,660	48,350	Government of India Register No. 34 C of 1867-68 - G.O. No. 1982 of 4th July 1867 - G.O. No. 3862 of 12th Decr /67 - ~~G.O. No. 3120 of 9th Octr /67~~ & G.O. No. 1519 of 10th May 1869 - Item No. 66 of Budget for 1870/71.
Calicut Do		Calicut	Erection of 10 Huts for the Constables of the Place Guard attached to the Calicut Jail	3,581	2,152	1,430	Estimate Sanctioned in G.O. No. 2082 of 25 June /69.
Malabar District			Subsidiary Jails in Malabar	48,179	27,945	20,250	Do Do in G.O. No. 2030 of 22nd June 1869.
Cannanore Do		Tellicherry	Sub Collector's Office	13,897		10,000	Do Do in G.O. No. 15 of 4th May 1870.
Palghaut Do		Palghaut	Head Assistant Collector's Office	3,210		3,200	Do Do in G.O. No. 371 of 8th February /65.
Calicut Do		Calicut	Wall around the Small Pox and Leper Hospitals and Fish Oil Factory	4,485	485	4,000	Do Do in G.O. No. 2520 of 2nd August /69.
Do		Do	9 Warders Huts at the Calicut Jail including Compensation for land	3,682		3,680	Do Do in G.O. Nos 3402 of 22nd Octr & 3834 of 6th December 1869.
			Carried over	4,93,034	3,82,135	1,07,010	

1	2	3	4	5	6	7	8
			Brought forward	493,034	382,135	107,010	
			Civil Buildings (Contd.)				
Palghaut Range	Cochin		Sea Custom House	12,500		12,500	Estimate Sanctioned in G.O. No 3776 of 29th Novr /69.
Do.	Do.		Walling in the Street front of Government Godowns at Cochin	2,550	-	2,550	Plan and Estimate in the hands of the Collector and the Revenue Board.
			Police Stations &ca			4,000	
			Total Civil Buildings	508,084	382,135	1,26,060	

III. Agricultural.

None.

1	2	3	4	5	6	7	8
			IV. Communications				
Cannanore Range			Reconstructing Kutticole bridge in Imperial Road No XX	2,850		2,850	Estimate Sanctioned in G.O. No 1881 of 9th June /69.
Do			Continuation of Imperial Road No XX from Taliparamba to the Cannanore frontier	80,620	—	20,600	Do Do in G.O. No 521 of 15th February /70.
Calicut Do			Bridges over the Nilamboor & Cheerodpoya rivers on the road from Mambut to the foot of the Karkoor Ghaut	71,000	65,572	5,430	Do Do in G.O. No 1543 of 6th June /65 & G.O. No 3466 of 28th Octr /69 – Item No 399 of Budget for 1869/70
Do			Rebuilding the East abutment of the Cheeroopoya bridge below the Karkoor Ghaut	5,700	4,984	720	Do Do in G.O. No 3576 of 10th December 1869. Item No 235 of Budget for 1870/71
Palghaut Do			Road No XIII from Colingode to the Coimbatore frontier	30,250	14,004	16,250	Estimate reviewed in G.O. No 2551 of 13th Augt /68 – Item No 333 of Budget for 1868/69 & G.O. No 375 of 31st January 1870.
Calicut Do			Reconstructing Coollangaty bridge on the Great western road No III	18,800	7,158	11,640	Estimate Sanctioned in G.O. No 1370 of 2nd May /65.
Do			Improvements to road No XXI between the foot of the Tamberchery Ghaut and Calicut	17,500	10,085	7,400	Do Do in G.O. No 501 of 15th February 1869.
			Carried over	226,720	101,803	64,890	

1	2	3	4	5	6	7	8
			Brought forward	226,720	101,803	64,590	
			Communications (Contd.)				
Calicut Range		Beypoor	Constructing General and Family Chuttrums, including a Latrine in the Bazaar	6,080	3,896	2,150	Estimates Sanctioned in G. O. No. 3958 of 21st Decr./67 & No. 201 of 21st Jany./65. Item No. 348 of Budget for 1869/70. A moiety of the Estimate, viz. Rs. 3040 has been spent already from Local Fund.
Palghaut Do.			Constg. a new line of road from Mooranoor to Padinjarangady on the Imperial Salt line from Ponany to Pattamby	32,500	10,000	16,250	Estimate Sanctioned in G. O. No. 142 of 25th Augt./70.
Cannanore Do.			Improvements to the road from Cannanore to Coorg. (From Koottapaya bridge to the Irrity bridge)	29,820	-	4,820	Do. Do. in G. O. No. 1904 of 10th Augt./70.
Calicut Do.			Rebuilding Esdakara bridge below the Karkoor Ghaut Impl. road No. 12	10,000		10,000	Plan & Estimate under preparation vide para 3 of letter printed with G. O. No. 3466 of 28th Octr./69.
			Total Communications	305,120	115,699	98,140	

V. Mis: Public Improvements.

None.

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

Main Heads.	Imperial	Local	Total.
I. Military	1,16,970	-	1,16,970
II. Civil Buildings	1,26,060	-	1,26,060
III. Agricultural	-	-	-
IV. Communications	98,140	-	98,140
V. Miscellaneous Public Improvements	-	-	-
Total	3,41,170	-	3,41,170

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

District	For Minor New Works Military	For Minor New Works Civil Buildings	For Minor New Works Agricultural	For Minor New Works Communications	For Minor New Works Miscellaneous Public Improvements	Total for Minor New Works estimated less than
Malabar	2,000	1,500	1,000	2,000	500	7,000

Supg Engrs Office 7th Dn
Coimbatore 20th Septr 1870

W. Haresmith Lt Col. S.C.
Ag. Supg Engr 7th Dn

R.P.

List of the Conservancy Establishment under the Department Public Works.

Particulars	Monthly	Annually	Remarks
3 Malabar District			Vide G.O. No. 1011 of 23d August 1870 Revenue Department communicated with Public Works G.O. No 17 of 3d September 1870. vide copy of the Malabar Collector's letter No 2763 of 1st October 1870 attached, stating that Rs 84 are all that will be required and not Rs 222 as stated in the G.O. above quoted.
Watchman at the Yennamakal Dam at 4 Rs a month	4	48	
Do at the Vyateli Damah 3 Rs a month	3	36	
		84	
Total Rupees		84.	

Superintending Engineer's Office 7th Dn }
Camp Cochin 6th October 1870 }

W Unsworth Lt Colonel

Ag Superintending Engineer 7th Dn

R.P.

From
The Ag Supg Engineer
7th Division

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

Dated 29th } September 1870
Recd }

Part II

P.W. 3760 A/70

Detail of Estimate for Original works for 1871/72. Part II.

No 3114

No 1180 C. 1870
Public Works
No 4973
From
The Ag. Supt Engineer
Wynaad
To
The Secretary to Gov.
Department Public Works
Madras
Dated 13 October 1870
Recd 10 Encl.
List of the Civil
of Establishment
under the DPW
No 3014 16 Oct

Special Executive Engineer's
No 66 Office Wynaad Vythery
12th October 1870 —

From
The Special Executive Engineer
Wynaad

To
The Secretary to Government
Department Public Works
Madras

Sir

I beg to forward my Budget proposals for 1871.72 and with it the following remarks

2. Of the Civil Buildings the following are in progress and would suffer deterioration if grants are withheld Nos 1. 5. 6. 10 & 11. 12.

No 3. 4. 8. 9. 14 are buildings proposed by the Jail Committee, estimates for which were duly sanctioned but I have lately received requisition from the Police Authorities for other buildings intended for identical purposes, at Panamaram, Peria, Calpatty, and

Nellacherry, which if carried out will render all the above except No 3 and 4 superfluous; and of these latter, No 4 was, I believe, only proposed as a halting spot between Sultan's Battery and Goodaloor, on a road which will not ultimately be the Imperial route and the Substation at Nellacherry will answer the purpose for which it was proposed.- Of the other Civil Buildings, No 2 is one that I think is of minor importance to others, the occasions when it will be required being few and far between. No 12 is a work regarding which I have several times written, and the want is one that entails great hardship, and inconvenience in a climate which forbids the use of Tents.-

A Plan and Estimate has lately been submitted for No 7, and as the necessity has been so frequently and strongly urged by the Revenue Department, it is needless for me to say more than that there is no accommodation

ob-

obtainable in ill ventilated [illegible] for the Deputy Collector except the [illegible] at present occupied by him, which is in such a dilapidated condition as not only not to admit of repairs, but to be positively dangerous to [illegible] are [illegible] for its [illegible] the effects of another monsoon [illegible] accommodation.-

The three [illegible] Nos 16, 20 will [illegible] receive allotments as a matter of course; of these, No 15 principally requires metalling, the [illegible] portion of it certainly is not as yet of full width, but the traffic on it is confined to [illegible] months of the year, and [illegible] the roadway sufficiently answers the requirements, not so the other sections of the piece which are subjected to heavy traffic during the whole year, and from want of metalling present great difficulties to the transit of carts.- On No 20 very heavy traffic throughout [illegible]

as

a state [illegible] the road in the [illegible] Territory is thrown open and this I believe will be before the next monsoon; until which therefore the portions particularly requiring it are metalled, the road surface would be so much cut up and damaged that it will [illegible] require to be made. Several incomplete Bridges also require to be built, and [illegible] work still requires on the [illegible] Ghaut for this purpose. I have put the wants of this line at a considerably higher figure than the others [illegible]. With the exception of [illegible] large [illegible] Culverts and minor bridges to be completed [illegible] No 29 is [illegible] on the [illegible] line No 19, [illegible] of 32 feet [illegible] which collapsed in June 1869 and has [illegible] since been [illegible] in [illegible] it is a work of sufficient importance to create a complete block in the line [illegible] as it remains in its present condition and accordingly I beg strongly to urge its

its restoration as soon as possible. Regarding No 19 I wrote pretty strongly on a former occasion, and the grant that had passed had by no means lessened the urgency of its want.

No 27. The estimate of this last item of the Service of Roads in Wynaad only provides the preliminary trace and survey to be completed and the item provided for the [illegible]

34. [illegible] Establishment. I have, under head of direction, [illegible] until the current year there were provided from the grant for [illegible] establishment, but the restriction under that head ordered for the current year made it impossible to continue the charge against that grant, it was equally impossible that the duties of the Wynaad Range and of my own office could be carried on without any clerical aid and I was, therefore, compelled to take one from each of the other two Ranges much to their inconvenience, and still without meeting my own re-

requirements.

The small grant for Tools and Plant has during the Official year been severely felt both in the matter of new supplies and of repairs; Carts and Bullocks are very seldom obtainable on hire in Wynaad and when many buildings are in progress they are indispensable, and form the principal items of our wants, the number of Live Stock (by reason of age and mortality) is now too small to do the work. Many Carts have become old and dilapidated, four new bullocks and 4 carts will be required in the next Official year, and those of the latter still serviceable repairing will cause considerable expense. Carriage of Tools also is an item which tells very heavily on such a small allotment as has been given during the current year, I hope therefore that the increased sum asked for will not be refused.

I

I have the honor to be
Sir
Your most Obedient Servant

Robt. W. Kennedy Major
Special Executive Engineer
Wynaad

P.S.

I find I have omitted notice of No 13 the proposed Hospital and Civil Dispensary at Vythery the estimate for this was sanctioned in G.O. No 3145 dated 11th October 1867 but in a subsequent order viz. No 743 dated 5th March 1868 the commencement of the building was prohibited until the full amount of private subscription had been realized, this I expect will now be done in a few days and a report sent, I have therefore inserted it in the Budget

Robt. W. Kennedy Major
Special Exe. Engr. Wynaad

No. 1/1870 Dept.
Pro. of Govt. for Decr.
Transd. No. 4109
The Special Ex. Engr
Wynaad

To The Secy. to Govt.
P. W. D.
Madras

No. 668
Dated 12 October
Recd. 15 [illegible]
[illegible] 8

Submits Budget
for 1871.72 and [illegible]
[illegible]

No. 32449 15 [illegible] 70

No. 315

Malabar District
Wynaad Division
Part V

Detailed Estimate for Tools and Plant for 1871.72

Description of Articles	Estimate 1871.72	Estimate 1870.71.
New supplies		
Tools Plant	2,000	2,000
Office furniture	"	"
Live stock	"	"
Repairs and carriage from place to place	1,000	1,000
Total	3,000	3,000
Grand Total	3,000	3,000

Special Exe. Engineer's Office
Wynaad. Vythery
12th October 1870

R. W. B. [illegible] Major
Spl. Exe. Engineer Wynaad

In a letter from the
Spl Ex Engineer Wynaad
No. 21 dated
1870 to the Secretary
to Govt. P.W. Madras

Dated 13th October 1870
Received

Part I, II, III, IV
of Budget of
1871-72.

Wynaad Division
Malabar District
Appendix B

214

Estimate of the probable receipts that will be realized by and on account of the Public Works Department during the year 1871-72.

Blank.

Spl Exr. Engineer's Office
Wynaad Vythery
12th October 1870

Robt. B. Bruce, Major
Spl Exr. Engineer Wynaad

Wynaad Division D.P.W
Malabar District

Statement shewing the Maintenance Grants for roads which are included in the allotment in Part III of the Budget under head of Communication Minor Repairs

District	Description of work	Amount Granted	Total of each District	Remarks.
Malabar	Blank.			

Spl. Exe. Engineer's Office
Wynaad Vythery
12th October 1870.

Robt. W. Kennedy Major
Spl. Exe. Engineer Wynaad

Wynaad Division
Malabar District
Appendix A.
Distribution of Establishment 1871.72

	Executive Engineer	Assistant Engineer	Upper Subordinate	Lower Subordinate	Accountants	Clerks	Draughtsman	Duftries
Wynaad Division	1	"	2	2	4	5	1	14
Total	1	"	2	2	4	5	1	14

Spl. Exe. Engineer's Office
Wynaad Vythery
12th October 1871 —

Robt. H. Keene(?) Major
Spl. Exe. Engineer Wynaad

BW4109/70

Wynaad Division
Malabar District
Part IV
Detailed of Estimate for Establishment for 1871.72

Number 1871.72	Number 1870.71	Particulars		Salary of Office	Estimate of 1871.72 Per Mensem	Estimate of 1871.72 Per Annum	Total	Estimate 1870.71 charges per annum
		Direction						
1	1	Special Executive Engineer in charge of Wynaad		400				
			Wynaad allowance	200.				
		Military allowance as Brevet Major		294				
			Wynaad allowance	147	1041	12492		
3	3	Clerks from 30 to 100 Rupees			170	2040		
1	1	Draughtsman			80	960		
				28				
4	..	Lascars	Wynaad allowance	14	42	504	15996	
		Construction						
1	1	Sub Engineer 3rd Grade		150.				
		Military pay as Conductor		145				
			Wynaad allowance	147½	442½	5310		
			Carried forward			5310	15996	

Number 1871-72	Number 1870-71	Particulars	Salary of Office	Estimate of 1871-72 Per Mensem	Estimate of 1871-72 Per Annum	Estimate of 1871-72 Total	Estimate of 1870-71 charged per Annum
		Brought Over			5310 200	[illegible]	
1	–	Supervisor 2nd grade	150				
		Wynaad allowance	75	225	2,700		
2	3	Taluk Overseers	60	120			
		Wynaad allowance	30	60	2,160		
2	2	Writers at 15 Rupees	30				
		Wynaad allowance	15	45	540		
		Range Office Establishment					
2	2	Accountants	50	100			
2	2	Assistant Accountants	25	50			
10	10	Office Servants	7	70			
				220			
		Wynaad allowance		110			
				330	3960	14,670	
		Travelling allowance and Batta to Office Establishment			6500	6,500	
		Contingencies				500	
		Total Rupees			27666	49,670	

Special Executive Engineer's Office
Wynaad Vythery
12th October 1870

R A G Kennedy. Major
Sp. Ex. Engineer Wynaad.

Wynaad Division
Malabar District
Part III

Detailed Estimates for Repairs for 1871.72.

	Estimate of 1871. 72.	Estimate of 1870. 71.
	Amount Total	Amount Total
Civil Buildings		
Minor Repairs to Revenue &c. Buildings		
North Wynaad Range	500	900
South East Wynaad Range	300	500
Vythery Range	500	500
		24,00
Total	1,300	1,900
Communications [illegible]		
Periah Ghaut and Road via Manantoddy to Bhowally on the Mysore frontier 40 miles at 200 Rupees	8,000	8,000
Tamberchery Ghaut and road via Vythery, Calpathy, and Sultan's Battery to Mysore Frontier 46½ miles at 200 Rs	9,200	9,200
Karkoor Ghaut via Goodaloor to Tippacadoo on the Eastern frontier of Wynaad 32 miles at 200 Rupees	6,400	6,400
Road from Manantoddy to Luckadie the head of Tamberchery Ghaut (via Terriote 30 miles at 200 Rupees	6,000	6,000
Road from Coorg frontier to Periah Ghaut Road 10 miles at 150 Rupees	1,500	1,500
Road from Manantoddy to the foot of the Hootiadee Ghaut 18 miles at 150 Rupees	2,700	2,700
Carried Over	33,800	33,800

	Estimate of 1871.72		Estimate of 1870.71	
	Amount	Total	Amount	Total
Brought forward		33,800		33,800
Road from Manantoddy via Panamaram to Sultans Battery and Goodalore 59 Miles at 150 Rupees		8,850		8,850
Total Rupees		42,650		42,650

Spl. Myl. Engineer's Office
Wynaad Vythery
12th October 1870

Robt. W. Kerrie Major
Spl. Myl. Engineer Wynaad

Wynaad Division
Malabar District
Part I

Abstract of Estimated charges of Public Works for the year from 1st April 1871 to March 1872.

Classification	Estimate 1871.72	Estimate 1870.71.	Total. 1871.72	Total. 1870.71.
Original Works.				
Civil Buildings	49128	46298		
Communications.	1,11,124	1,44,600	1,60,252	1,90,898
Repairs				
Civil Buildings	1,300	1,900		
Communications	42,650	42,650	43,950	44,550
Establishment	37,666	49,410	37,666	49,410
Supply and Repairs of Tools and Plant.	3,000	3,000	3,000	3,000
Total Amount of Estimate			2,44,868	2,87,858
Net increase			-	-

Special Ex. Engineers Office
Vythery Wynaad, 12th October 1870.

Robt. W. Kennedy Major
Special Ex. Engineer Wynaad.

Wynaad Division
Malabar District
Part II

Detail of Estimate for Original Works

Executive Division	Project			Amount of Estimate	Computed expenditure up to 31st March 1871.	Estimated 1871-72.	Remarks or reference
	No.	Locality	Description				
			Civil Buildings				
Wynaad	1	Goodalore	Sub Magistrates Cutcherry with Treasury and Jail at Goodalore	20235	14,742	5488	Item No. 70 of 1870-71.
	2	"	Dead house to Civil Dispensary at Goodalore	1500 1540	"	1500	G. O. No. 3314 dated 14th October 1869.
	3	"	Police Guard house with 2 Cells at Nadganny	1840		1840	G. O. No. 576 dated 22nd February 1869.
	4	"	do do at Bettarmund	1840		1840	
			Carried forward			10,668	

PW 410/70

Project

Executive Division	No.	Locality	Description	Amount of Estimate	Completed Expenditure up to 31st March 1871	Estimate 1871-72	Remarks or reference
			Brought Over			10,888	
Wynaad	5	Manantoddy	Civil Dispensary at Manantoddy	3500	2250	1250	G.O. No. 1423 dated 8th June 1870 and G.O. No. 1678 dated 12th July 1870.
	6	"	Offices for Deputy Collector at Manantoddy	13,580	5,000	8,580	G.O. No. 267 dated 25th January 1869 & G.O. No. 1821 dated 29th July 1870.
	7	"	House for Deputy Collector at Manantoddy	15,000		15,000	G.O. No. 1506 dated 8th May 1869. Submitted to Govt. with letter No. 654 d/10th Octr 1870
	8	"	Police Guard house at Panamarom with 2 Cells	2600	-	2600	G.O. No. 771 dated 12th March 1870
	9	"	Ditto Ditto with 2 Cells at Periah	1840		1840	G.O. No. 576 dated 22nd February 1869.
	10	Vythery	Sub Magistrates house at Vythery	4,200	2,500	1700	Budget Item No. 69 of 1870.71
		"	Sub Magistrates Cutcherry with 3 Cells	13,440	1,947	-	~~G.O. No. [illegible] dated 29th April 1870 and G.O. No. [illegible] dated [illegible]~~
	11	"	Post Office at Vythery	5,330	5,200	130	G.O. No. 990 dated 8th April 1870
	12	"	Shed for Overseer Vythery Range	500		500	G.O. No. 995 d/9th April 1870
	13	"	Constructing Hospital and Dispensary at Vythery	7,000	-	3,000	G.O. No. 3105 dated 11 October 1867. G.O. No. 743 dated 5th March 1868
	14	"	Police Guard house with 4 Cells at Kalpathy	3,360	-	3,360	G.O. No. 576 dated 22nd February 1870 1869
			Total Civil Buildings			48,628	
			Communications				
	15	Goodalore	Harikoor Ghaut and road via Goodalore to Tippacadoo on the Eastern frontier of Wynaad	4,15,036	2,21,746	15,000	G.O. No. 1859 dated 11th July 1870 Item No. 207 of 1870.71.
	16	Manantoddy	Periah Ghaut and road via Manantoddy to Bowally on the Mysore frontier including Culverts on road between				
			Carried forward			15,000	

Executive Division	No	Locality	Project Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimated 1871-72	Remarks or reference
			Brought Over	[illegible]	[illegible]	[illegible]	
		Manantoddy	Periah and Manantoddy	182,700	170,681	20,000	G.O. No. 1654 dated 11th July 1870 Item No. 205 of 1870-71.
Wynaad	17		Culverts and Bridges on the Road between Manantoddy and Tirriote	21,235		15,100	G.O. No. 163 dated 14th January 1870
	18		New Trace from Manantoddy to Coorg frontier	42,400	35,716	7,000	G.O. No. 2435 dated 31st July 1868
	19		Reconstructing Dhoby Nullah Bridge	951		951	G.O. No. 3743 dated 24th Nov 18
	20	Vythery	Tambercherry Ghaut and road via Vythery, Culpatty and Sultan's Battery to the Mysore frontier	5,95,762	1,69,590	50,000	G.O. No. 1659 dated 11th July 1870 Item No. 206 of 1870-71.
	21.		Road from Manantoddy to Culpatty and Goodalore via Panamarum and Sultan's Battery Making preliminary trace and surveys of portions between Panamarum, Culpatty and Sultan's Battery and between Sultan's Battery Nellialum and Goodalore	2170		2,170	G.O. No. 1190 dated 5th May 1870
			Total Communication			1,10,124	

District	For minor new works under Civil Buildings	For minor new works, under Communications	Total for minor new works estimated to cost less than Rs 500 each
Wynaad	500	1000	1,500
Total Rupees			1500

Spl. Ex. Engineer's Office
Wynaad Vythery
12th October 1870

Robt. W. Kennedy Major
Spl. Ex. Engineer Wynaad.

No. 1801

Palamcottah
3rd October 1870

From

Major G. M. Payne
Ag Superintending Engineer 8th Dn

To

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

Sir,

I have the honor to submit Budget Estimates for 1871-72 with an abstract of demands under the several Budget Heads:

Part II Civil Buildings.

Madura & Tinnevelly. Items 1 to 6 in Madura and 2 to 4 in Tinnevelly are incomplete works of last year and as there appears to be no probability of the necessary funds being granted for their completion this year, they are entered in the present Budget for completion in the ensuing year.

Agricultural.

Madura. Peryaur Project.

This Project is still under investigation and it is to be hoped will be sufficiently matured to enable the work to be commenced in 1871-72. I have accordingly entered 3 lakhs of Rupees as the amount that may probably be required for it.

Tinnevelly. Striveigundum Anicut Project.

Out of the sum of Rupees 380000 sanctioned in the current years Budget, Rupees 200000 only are likely to be expended this year. I have therefore suggested to the Chief Engineer for Irrigation in my letter No 1731 dated 20th Ultimo that the balance of the above grant Rupees 180000 may be transferred to other Districts and have entered the balance of the estimate for the next year Rupees 171016.

Madura & Tinnevelly. Communications.

Items 2 and 3 in Madura and Item No 1 in Tinnevelly are works which were originally entered in my Division Budget for the current year but

as

as Government have in their order No 3735 of 23d November 1869 expressed their inability to provide funds for them they are brought forward for execution next year, and I would beg to draw the attention of Government to para 6 of my predecessor's letter No 1526 dated 30th September 1869, wherein the necessity of putting the Road between Ramnad and Madura in good order is strongly urged.

Part III Agricultural

Madura & Tinnevelly

Rupees 7,000 for Madura & Rupees 1,50,000 for Tinnevelly are entered for agricultural repairs, the reduced grants in the current years Budget for these 2 Districts being Rupees 4000 and 86,500 respectively. Owing to the heavy floods which occurred in both Districts in November last, numerous important Irrigation works were considerably damaged, and the grants of the current years Budget have been expended on little else than completing the closing of breaches and such like emergent repairs. In Tinnevelly nearly all the anicuts and channels taken off the Tambraporney river and the tanks fed by them have suffered considerable damage and require extensive repairs. The Tambraporni river embankments also are much in need of being strengthened.

A statement is under preparation shewing in detail the requirements of the several irrigation works in both Districts for next year and will be submitted to the Chief Engineer for Irrigation as soon as possible.

A sum of Rupees 13800 has been appropriated out of the current years allotment for repairing the breaches in the river embankments, but they still require considerable strengthening & for this purpose the amount for Agricultural repairs contains an item of Rupees 15000.

*G.O. No 1342 3d August 1

Communications.

Madura
Tinnevelly

Rupees 3000 and 2000 for minor Repairs to Roads are entered in the Budgets for Madura and Tinnevelly Districts respectively. These sums are essentially necessary for carrying out emergent repairs generally caused by heavy rains and are in addition to the sums proposed for maintenance - the latter being inadequate to preserve some parts of the Roads in good order.

I have &c

(Sd.) W Payne Major
Ag Superintending Engineer
8th Division

Tinnevelly District

Memo shewing the particulars of lump sum entered in Part II of the Budget under Minor works the estimated cost of which does not exceed Rupees 2500 each

2/1

Description of work	Amount			Remarks.
Military				
A new Rifle Range with markers Butts at Palamcottah	1110	"	"	Included in the list of works proposed formerly in the Budget for 1871-72 forwarded by the General Commanding the southern District.
Civil Buildings				
Constructing a Dead house at Palamcottah	1650	"	"	Sanctioned in G.O. No 1962 dated 16th June 1869.
Do — a Post Office at Sattoor	1500	"	"	G.O. No 2032 dated 23rd August 1870.
Improving church at Palamcottah	760	"	"	G.O. No 107 dated 28th July
Reconstructing the carriage porch in front of Saint Thomas church at Quilon	570	"	"	G.O. No 3 dated 1st August 1870
	4480	"	"	
Agricultural				
Constructing Anicut across the Kayal Koody river and restoring the old channel to supply Gopaulsamudrum Periacolum tank	2200	"	"	Estimate will be submitted shortly

Palamcottah
3rd October 1870

A. C. Payne Major
Ag Superintending Engineer 8th Dn

P.W. 1870 Oct 1801
No of Report for Dec
From No 3960
The Ag Superintg Engr
8th Dn
to
The Secretary to Government
P.W.D.

Dated 3rd October } 1870
Received 6 — }

Enclosures 7

Submits with the necessary explanations the Budget estimates for 1871-72

No 3044-15th Dec/70

No 316

8th Division [illegible]

[illegible]

Rs39660/70

Tinnevelly District

Memo shewing the particulars of the lump sum entered in the Budget Part II under Minor works the estimated cost of which does not exceed Rupees 2500 each

Tinnevelly District

Part II

Detail of estimates for origi l works for 1871-72

Executive Division	Project No	Locality	Description	Amount of Estimate	Expenditure up to 31st March 1871	Estimate 1871-72	Remarks and references
		Military					
No 1 Range	1	Palamcottah	Lines for the 22nd Regiment Native Infantry	2600	-	2600	Called for by the General Commanding Southern Division estimates sent in, but returned with reference to improvements suggested by the Sanitary Commissioner. The plans are in accordance with the standard designs.
	2	Quilon	Do — Do — 23rd — Do	3670	.	3670	
			Minor works the estimated cost of which does not exceed Rs 2500 each.			1410	
			Total Military			7680	
			Civil Buildings				
No 1 Range	1	Palamcottah	New Jail			10,000	Not sanctioned. Vide G O No 318 dated 26th January 1870 calling for revised estimate.
No 2 Range	2	Ambasamudram	New Jail and Cutcherry on standard plan No 1	27,800	11146	16,654	G O No 1723 dated 27th May 1869
No 4 Do	3	Vellatheetum	New Jail and Cutcherry on plan No 2	12650	10992	1658	Do Do
No 4 Do	4	Tuticorin	Subsidiary Jail	7500	6438	1062	G O No 935 dated 20th ~~January~~ 1869
No 3 Do	5	Sunkerinarcoil	Do Do	7150	.	7150	G O No 3178 dated 1st October 1869
No 1 Do	6	Ratthapuram	Sub Magistrate's Cutcherry & subsidiary jail	6050	.	6050	Do Do
No 1 Do	7	Strivegundum	District Moonsiff's Court house	5200 5500	.	5200 5500	G O No 115 dated 17th March 1870. Estimate will be submitted shortly.
			Minor works the estimated cost of which does not exceed Rs 2500 each.			4480	
						52,254	
			Agricultural				
No 1 Range	1	Poothoogudi	Strivegundum Anicut Project	831600	660584	171016	Item No 104 of Budget 1870-71
			Minor works the estimated cost of which does not exceed Rupees 2500 each			2200	
			Total Agricultural			173,216	

[illegible] 21/6/70 [illegible]

Project

Executive Division	No	Locality	Description	Amount of the Estimate	Completed expenditure to end of 31st March 1871	Estimate 1871/72	Remarks / references
							231
			Communications				
No 4 Range	1		Road No XV between Vypaur and Sattur	132,000		25,000	G O No 3735 dated 23rd November 1869
			Total Communications			25,000	
			Miscellaneous Public Improvements				
			None				
			Grand Total			258,150.	

Palamcottah
3rd October 1870

G W Payne Major
Ag Superintending Engineer 8th Division

District		For minor new works under Military Bds	or minor new works under vil 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 Rs 500 each
	Tinnevelly	500	500	10,500	800	.	12,300.

Palamcottah
3rd October 1870

Major.
Superintending Engineer 8th Dn.

8th Division P. W. D.

Rs 1,13,160/0

Tinnevelly District
Part II

Detail of Estimates for
original works for the
year 1871-72.

Madura District

Part II

Detail of Estimates for Original Works for 1871-72

	Project						
Executive Division	No.	Locality	Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate 1871-72	Remarks & References
			Military None				
			Civil Buildings				
No. 2 Range	1	Pereaculum	Talug Cutcherry and Subsidiary jail &c on standard plan No 1	26,000	2707	23,293	Vide G.O. No 935 dated 20th March 1869 calling for revised Estimate. Estimate submitted for sanction on the 22nd Septr 1869. No 1406.
No. 2 Do	2	Dindigul	Subsidiary jail	7200	4214	2986	G.O. No 1443 dated 3rd May 1869.
No. 3 Do	3	Ramnad	Additions to the Subsidiary jail	4800	3124	1676	G.O. No 935 dated 20th March 1869
No. 3 Do	4	Mudducattur	Sub Magistrates cutchery and Subsidiary jail	10,100	4064	6036	G.O. No 260 dated $\overset{28}{20^{th}}$ January/69
Do	5	Truchuli	Do Do Do	10,500	3894	6,606	Do Do Do
Paumben Do	6	Paumben	Additions to the Subsidiary jails	2570	1650	920	G.O. No 3805 dated 5th Decr 1868
No. 3 Do	7	Vendyl	Sea Custom house and Police Office	3450	"	3450	G.O. No 2231 dated 13th July 1868
			Minor works the estimated cost of which does not exceed Rs 2500 each			1550	
			Total Civil Buildings			46,517	

Executive Division	Project		Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate 1871—72	Remarks and references
	No	Locality					
			Agricultural				
No 2 Range	1	Peryaur	Peryaur Project			3,00,000	Item No 103 of Budget 1870-71
			Minor works the estimated Cost of which does not exceed Rs 2500 each			2140	
			Total Agricultural			3,02,140	
			Communications				
No 2 Range	1		Road from Tirumungalum to Pulni upto Coimbatore boundary	1,65,000	1,26,365	38,635	G.O. No 3453, dated 25th Novr 1863 Item No 210 of Budget 1870-71
No 3 Do	2		Do No XIII between Ramnad and Verospavanum	74,800	.	30,000	G.O. No 3735, dated 23rd Novr 1869
No 1 Do	3		Do XIV between Madura and Aroopucottah	48,000	.	30,000	Do Do Do
			Minor works the estimated Cost of which does not exceed Rs 2500 each			2,450	
			Total Communications			1,01,085	

Executive Division	Project No.	 Locality	 Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate 1871-72	Remarks & references
			Miscellaneous Public Improvements				286
Paumben Range	1	Paumben	Cutting Inner Angle of the Reef Channel	43,340	40,985	2,355	G.O. No. 2126 dated 5th September 1862 Item No. 257 of Budget 1870-71
			Deepening the Paumben Channel from 12 to 14 feet at low water	22,810	5,500	3,000	G.O. No. 721 dated 2nd March 1866 Item No. 258 of Budget 1870-71
			Total Miscellaneous Public Improvements			5,355	
			Grand Total			4,55,097	

Superintending Engineer's Office 8th Dn.
Palamcottah 3rd October 1870.

J. M. Payne Major
Ag. Superintending Engineer 8 Dn.

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 Improvements	Total for Minor new works estimated to cost less than Rs 500 each
Madura	„	500	4,500	800	„	5800

Superintending Engineer's Office S. D.
Palamcottah 3d October 1870

J. W. Payne Major
Ag. Superintending Engr. S.D.

8th Division P.W.D.

No 3950/70

Madura District
Part II
Detail of Estimates for Original works for the year 1871-72

39

Tinnevelly District
Part III
Detail of estimates for Repairs for 1871-72

	Estimate 1871-72		Estimate 1870-71		
	Amount	Total	Amount	Total	
Military					
Quilon Cantonment Roads	1200		1200		
Minor Repairs to Buildings	1176		1500		
Compensation in lieu of Quarters to Military Subordinates	324				
Total Military		2700		2700	
Civil Buildings					
Tinnevelly Minor Repairs to Revenue &c. buildings	4000		4000		
Total Civil Buildings		4000		4000	
Agricultural					
Tinnevelly Minor Repairs to canals	50000		86500		
" Do to Tanks	100000				
Total Agricultural		150000		86500	
Communications					
Tinnevelly New Great Southern Road from Madras to the Travancore frontier	21800		21800		109 miles at Rs 200 per mile

(B)

		Estimate 1871-72		Estimate 1870-71		
		Amount	Total	Amount	Total	
Tinnevelly	No XIV Portion of the cotton road from the border of the Madura District through Ettiapooram to Tuticorin	10,000		10,000		{36 miles at Rs 200 per mile 7 Do at Rs 400 per Do
"	No XV Road between Vypaur & Strivilliputtur	5000		5000		25 miles at Rs 200 per Do.
"	No XVI Do from Tuticorin to Tenkasi on the Travancore frontier via Palamcottah	10,450		10,450		{8 miles at Rs 200 per Do 59 Do at Rs 150 per Do
"	Minor Repairs to Roads	2000				
"	Do to Travellers' Bungalows	704		704		
Total Communications			49754		47754	
Miscellaneous Public Improvements						
Tinnevelly	Minor Repairs	100		100		
Total Miscellaneous Public Improvements			100		100	
Grand Total			206754		141254	

Palamcottah
3d October 1870

R. W. Payne Major
A/ Superintending Engineer 5th D.

8th Division P W D.

No 3960/70

Tinnevelly District
Part III

Detail of estimates for repairs for 1871-72

Madura District
Part III
Detail of Estimates for Repairs for 1871-72

	Estimate 1871-72 Amount	Estimate 1871-72 Total	Estimate 1870-71 Amount	Estimate 1870-71 Total	
Military					
Madura None					
Civil Buildings					
Madura Minor Repairs to Revenue &c buildings	3300		3300		
Total Civil Buildings		3300		3300	
Agricultural					
Madura Minor Repairs to canals	25,000		41000		
Do to Tanks	45,000				
Total Agricultural		70,000		41,000	
Communications					
Madura No II Great southern Road from Madras to the Travancore frontier	18,000		18,000		64 miles at Rs 281-4-0 per mile

	Estimate 1871·72		Estimate 1870·71		
	Amount	Total	Amount	Total	
Madura No XII Road from Tondy to Dindigul	13,500 a		10,950		90 miles at Rs 150 per mile
—— No XIII Do from Pamben to Palghaut	20,900 b		18,900		104½ miles at Rs 200 per Do
—— No XIV Portion of the cotton road from Madura towards Tuticorin as far as the border of the Tinnevelly District	3810 c		2,200		19 miles at Rs 200 per Do
—— Salt Road No 21	3,050		4,650		1 mile at Rs 200 per mile and the remainder distributed over unmade parts
—— Sand bank channel	2000		2000		
—— Minor Repairs to Roads	3000				
—— Travellers Bungalows	700		700		
Total Communications		64950		57400	
Miscellaneous Public Improvements					
Madura Minor Repairs	100		100		
Total Miscellaneous Public Improvements		100		100	
Grand Total		[illegible] 1,37,550		1,01,300	

G. W. Payne Major
Ag Superintending Engineer 8th Dn

a 17 additional miles expected to be completed in this year.

b 10 additional miles expected to be completed in this year.

c 19 miles of road from Madura to Sayalgudi have been connected with Road No XIV in 1868·69 when the roads were classified. hence Rupees 1600 being the maintenance allowance for 8 miles of the above portion, which is made are transferred from Road No 21 to No XIV.

Palamcottah
3rd October 1870

G. W. Payne Major
Ag Superintending Engineer 8th Dn

M 3965/70

Madura District
Part III

Detail of estimates
for repairs for 1871-72

Madura District

Memo shewing the particulars of lump sum entered in Part V of the Budget under Minor works the estimated cost of which does not exceed Rupees 2500 each.

Description of work	Amount			Remarks
Civil Buildings				
Improving Post Office at Ramnad	820	-	-	G.O. Nos 3812 dated 7 December 1868 & 2032 of 23rd August 1870
Removing old Telegraph Office and building a new cable house at Pamben	730	-	-	G.O. No 3239 dated 7 October 1869.
	1550	-	-	
Agricultural				
Cutting new channel from river Vygay to supply Ungadimungalam tank	1300	-	-	estimate will be submitted shortly.
Constructing Head sluice at the head of Do	840	-	-	Do Do
	2140	-	-	
Communications				
Constructing 2 miles of road No XIII between Madura and Tenupuranum	2450	-	-	Do Do

Palamcottah
3rd October 1870

J. M. Payne Major
Ag Superintending Engineer 8 Dn

8th Division P.W.D.

No 3960/70

Madura District

Memo showing the particulars of the lump sum entered in Part II of the Budget under Minor works the estimated cost of which does not exceed Rupees 2500 each.

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(13)

Abstract of demands for each District corresponding with the Draft Budget for 1871-72

Madura District

	New works	Minor new works	Repairs	Total
Military	"	"	"	"
Civil Buildings	46,517	500	3300	50,317
Agricultural	302,140	4,500	70,000	376,640
Communications	101,085	800	64,950	166,835
Miscellaneous Public Improvements	5,355	"	100	5,455
Total	455,097	5,800	138,350	599,247

Tinnevelly District

	New works	Minor new works	Repairs	Total
Military	7,680	500	2700	10,880
Civil Buildings	52,254	500	4,000	56,754
Agricultural	173,216	10,500	150,000	333,716
Communications	25,000	800	49,954	75,754
Miscellaneous Public Improvements	"	"	100	100
Total	258,150	12300	206,754	477,204

Palamcottah
3rd October 1870

C. M. Payne Major
Ag. Superintending Engineer
8th Divn

8th Division P.W.D.

No 3900/70

C Abstract of demands for each District corresponding with the Draft Budget for 1871-72

No 1666

Office of the Controller of Public Works Accounts.
Chepauk, 8th November 1870.

From
The Controller of Public Works Accts
Madras.

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

Sir,

Enclosures
[illegible]

I have the honor to forward Part IV, of the Budget of Establishments for the year 1871-72.

2 The Budget Estimate of 1870-71, as submitted by this Government amounted to Rupees 2,125,400. This was reduced by Rs 200,000 in the orders of the Government of India recorded in Public Works Proceedings of the 18th March 1870, No 813.

3 The *specific* reductions ordered by His Excellency in Council amounted to Rupees 168,251⊗, leaving a balance of Rupees 31,749, which this Government were permitted to

⊗ See G.Os. Nos 813 and 1163, dated 18th March and 3rd May 1870, respectively.

make good by savings on the modified allotment for Establishments.

4 The detailed comparisons between the grants in 1870-71 and 1871-72 in the Budget now submitted are instituted with reference to the entries in last year's Estimate, modified by the orders of the 18th March and 3rd May 1870 marginally quoted above, but a deduction of Rupees 31,749 is made at the foot of the Statement in order to arrive at the amount passed by the Government of India against [illegible].

The amount of the reduction to be met from savings.

5 The total of the Budget of Establishments for 1871-72 is Rupees 2,01,478 against Rupees 1,95,149 in 1870-71, the difference being explained as follows.

This deduction [illegible] made [illegible] reduction [illegible] 31747

+ Net excess, as shewn below, by the adoption of the new scale of salaries sanctioned in G.O. No. 1587, dated 31st October 1870.

Excess under "Direction"	Rs 11140	
— Do — "Accounts."	Rs 3125	
	14265	
Deduct saving under "Construction"	9124	Rs 5141
Additional House Rent for the Chief Engineer for Irrigation		360

Addition on account of Officiating Pay. Rupees 45000 − 41920 =		3080
— Do — Do — of Pay Rates of seconded Officers and Residency House Rent to Engineer Establishment under "Construction"		780
Slight excess in salary of Mechanical Engineer		84
Addition on account of 50 per cent increase to Warrant Officers calculated at the present rate of charge		320
— Do — Do — to [illegible] Establishments		468
Additional charge on account of Surveying Master to Civil Engineering College		1200
Additions on account of Conservancy Establishments, as per G.O. noted below:— No. 1694, dated 14th July 1870. No. 17, dated 3rd September, and Amount (Rs 8) disallowed in current year's Estimate in order to make up round numbers		1786
Increase on account of Travelling Allowance under "Construction"		[illegible]
		[illegible]

Deduct

Saving by reduction in the number of Assistant Engineers of the 3rd Grade from 7 to 4 (Rs 1400 − 1000 = 400 × 12 =)	Rs 4800	
— Do — in the grant for Contingencies of the Civil Engineering College	250	5050
Net Increase		6329
		5318

55209

31747

Heretofore the charges for Official Postage were entered in a lump sum under "Construction". In the present Estimate the amount is distributed under "Direction" and "Accounts" to tally with the advices received from time to time from the Comptroller General of Accounts, who furnishes a Statement in which the Postal Department classifies the charges against the Items as ~~per margin~~. The amount provided for Official postage in the outgoing Budget is the estimated charge for the current Official year.

Secretary.
Superintending Engineers.
Controller.

In the preparation of the Estimate now submitted, the new consolidated rates of salary have been adopted, the provision for Military Allowances for Superintending Engineers and for Executive and Assistant Engineers being the difference between the total of the consolidated rates and the salaries which will be drawn by the Officers who are likely to hold

the

the various appointments in the next Official year.

An explanation of the excess of Rupees 45000 on account of travelling allowance under "Construction", is appended in a Memo of the audits during the first seven months of the current Official year, from which it will be seen that the average charge is Rupees 17270 per mensem. This will give a total of Rupees 20[illegible]800 per annum, or Rupees 45000 in round numbers in excess of the grant for 1870-71.

"Construction".

March	Rs. 18,335
April	" 17,920
May	" 17,651
June	" 16,834
July	" 15,777
August	" 16,531
September	" 17,642
Total Rupees	120,690
Average per mensem Rupees	17,241

The actual expenditure in 1868-69 and 1869-70 on travelling allowances under "Construction" was Rupees 204,655 and Rupees [illegible] I have deemed it absolutely necessary to provide for the excess charge of Rupees 15000 above mentioned, owing to the Budget Estimate for 1871-72 being prepared strictly with reference to what are likely to be the actuals of the current year under various heads.

The following sums, taken from the current year's Estimate, are included in the Budget, chargeable to Local Funds. These items may possibly require revision when the [illegible] General Budget of Local Funds for 1871-72 comes under the consideration of Government.

Petty Establishment	Rs.	118930
Contingencies	Rs.	3900

I have only to add that the provision for Imperial Petty and Imperial Temporary Establishments is the same as that in the current year, viz Rupees 50,000 in each case, and I presume that the rules conveyed in paras 2 and 5 of G.O. No 813, dated 18th March 1870, will continue in full force during the ensuing Official year.

I have the honor to be
Your most obedient servant.

J. Hoch

Controller of Public Works Accounts.

Total [illegible] 33,12,218
16,93,209

Examd.

Public Works 1870 Department
Progs of Govt for Decr
From No. 523
The Examiner of P.W. Accounts.
Madras.
To
The Secretary to
Government P.W.D.
Fort St George.

Dated 8th
Recd 9th November 1870.

No. 1666

Forwarding Part
IV, of the Budget of
Establishments for
the year 1871-72.

No. 3044 - 15 Decr 70.

No 317

No. 317

Public Works 1870 Department
Proc. of Govt for [illegible]
Mem 5th [illegible] 523
The Controller of P.W. Accounts.
Madras.
To
The Secretary to
Government P.W.D.
Fort St George.

Dated 5th
Recd 9th November 1870.

No. 1666

Forwarding Part IV, or the Budget of Establishments for the year 1871-72.

No. 3044 - 15 Dec 70.

Distribution of Establishment — 1871-72

Division or Office	Secretary	Superintending Engineers	Executive Engineers	Assistant Engineers	Upper Subordinates	Accountants	Clerks	Draftsmen	Cashiers	Duffties
Secretary to Government	1	"	"	"	"	"	31	10	"	31
Chief Engineer for Irrigation and Joint Secretary	1	"	"	"	"	2	3	3	"	5
1st Division.										
Ganjam	"	"	1	1	4	6	6	1	"	15
Vizagapatam	"	"	"	1	6	6	13	1	"	15
Godavery	"	1	2	5	14	13	16	7	"	42
2nd Division.										
Kistna	"	1	2	3	16	13	27	6	"	53
Nellore	"	"	"	1	13	6	13	3	"	30
3rd Division.										
Cuddapah	"	"	2	1	16	7	15	2	"	34
Bellary	"	1	1	2	20	12	28	1	"	10
Kurnool	"	"	1	"	12	6	11	1	"	25
4th Division.										
Presidency	"	2	1	"	6	8	15	3	"	24
Chingleput	"	"	5	1	12	6	13	3	"	30
North Arcot	"	"	"	3	12	10	14	3	"	33
5th Division.										
South Arcot	"	1	1	5	9	5	21	3	"	37
Salem	"	"	2	"	12	7	12	2	"	28
Bangalore	"	"	1	"	2	3	4	1	"	8
6th Division.										
Tanjore	"	1	3	"	16	8	26	5	"	50
Trichinopoly	"	"	2	1	9	8	11	1	"	26
7th Division.										
Coimbatore	"	1	2	1	16	11	28	5	"	55
Malabar	"	"	2	2	15	7	11	3	"	37
South Canara	"	"	"	1	8	5	8	1	"	19
8th Division.										
Madura	"	1	2	4	8	5	18	3	"	31
Tinnevelly	"	"	1	2	7	8	14	3	"	33
Mechanical Engineer	"	"	"	"	1	"	"	"	"	"
Public Works Stores	"	"	1	"	"	"	5	"	"	19
Controller's Office	"	1	1	"	"	38	18	"	"	11
Civil Engineering College	"	"	1	"	10	"	3	"	"	13
Total	2	10	34	34	253	209	389	76	"	714

Office of the Controller of Public Works Accounts, Madras, 5 November 1870.

S. Mc[illegible]
Controller of Public Works Accounts.

Enclosure in a letter from the Controller of P.W. Accounts, Madras, to the Secretary to Government P.W.D., Fort St George, dated 8 November 1870 No 1666

P.W. No 528/70

Office of the Director
of Public Instruction
Madras 1st October 1870.

No 1623

From The Director of Public Instruction
Madras

To
The Secretary to Government
Department Public Works.

Sir

I have the honor to forward a copy of the Budget Estimate of the Civil Engineering College for 1871/72.

2 I have not included in the Estimate the sum of Rs 1200, which will be required for the Salary of the additional Surveying Master whose employment is approved in Order of Government Public Works Department, No 1875 of the 6th August 1870, as the charge has not been received the Sanction of the Government of India.

I have the honor to be,
Sir
Your most obedient Servant
E B Powell
Director of Public Instruction

Sd.

[illegible] 1871 [illegible]
[illegible] Govt [illegible]
From No. 3903
The Director of
Public Instruction

Dated 1 October 1871
Rd 3d —

Sm/

Forwarding
Budget Estimate
of the Civil Eng:
College for 1871/72

No. 3044 - 15th [illegible] /70

4554/70.
15th December /30
[illegible] 30 [illegible]

Part II

Madras Presidency

Detailed Estimate for Repairs for 1871/72 to be executed out of the Educational Building Fund.

Executive Division	Locality	Description	Amount of Estimate	Computed Expenditure up to 31st March 1871	Estimate 1871/72		Remarks or References
Godavari	Rajahmundry	Zillah School	–	–	1000	✓	
Bellary	Bellary	Provincial School	–	–	300	✓	
	Adoni	Anglo Vernacular School	–	–	200	✓	
Cuddapah	Cuddapah	Zillah School	–	–	2000	✓	
Kurnool	Kurnool	do	–	–	200	✓	
Madras	Madras	Normal School	–	–	1000	+	
Chingleput	Poonamallee	Talug School	–	–	300	✓	
South Arcot	Trinomallee	do	–	–	200	✓	
North Arcot	Palmanair	do	–	–	200	✓	
	Old Arcot	do	–	–	200	✓	
Salem	Tripatore	Anglo Vernacular School	–	–	500	✗	
	Darampury +	Talug School	–	–	300	✓	
Tanjore	Trivalore	do	–	–	300	✓	
	Pattucotta +	do	–	–	300	✓	
Coimbatore	Udamalapetta +	do	–	–	300	✓	
South Canara	Ullala	do	–	–	100	✓	
					7400		
		Add for establishment at 10 per Cent on Works to be executed by Officers of the Department Public Works			420		
		Grand Total Rupees			7820		

520
1150
1670

Office of the Director of Public Instruction
7th November 1870

The works marked thus × are to be executed by Officers of the Department of Public Works.

E B Powell
Director of Public Instruction

Part II

Madras Presidency

Detailed Estimate of Original Works for 1871/72 to be executed out of the Educational Building Fund

Executive Division	Number	Projects: Locality	Projects: Description	Amount of Estimate	Computed Expenditure up to 31st March 1871	Estimate 1871/72	Remarks or References
Ganjam	1	Tekkali	Talug School	–	–	800	
Vizagapatam	2	Ankapalli	do	–	–	800	
Kistna	3	Guntoor	Anglo Vernacular School ×	–	–	2000	
	4		Talug School	–	–	500	
Kurnool	5		2 do	–	–	2000	
Nellore	6	Nellore	Anglo Vernacular School ×	–	–	2000	
Presidency	7	Madras	Presidency College	–	–	–	Special Provision made in Proceedings of the Government of India Financial and Home Departments of 28th January 1868 and 19 September 1870 No 662 and 535 respectively, Communicated in Orders of Government of 12th March 1868 and 5th October 1870 No 87 and 305 respectively.
	8	do	University Senate House	–	–	–	
South Arcot	9	Tirikalore	Talug School	–	–	1000	
	10	Porto Novo	do	–	–	500	
	11	Panroti	do	–	–	500	
North Arcot	12	Chittoor	Zillah School ×	–	–	3000	
Tanjore	13	Trivady	Talug School	–	–	1500	
Coimbatore	14	Polachi	do	–	–	400	
Malabar	15	Calicut	Provincial School ×	–	–	1000	
	16	Cannanore	Normal School ×	–	–	500	
	17	Chowghaut	Anglo Vernacular School ×	–	–	3000	
	18	Koilandi	Talug School	–	–	600	
						20,100	
			Add for Establishment at 10 per Cent on Works to be executed by Officers of the Department Public Works			1150	
			Grand Total Rupees			21,250	

Office of the Director of Public Instruction
Madras 9th November 1870

The works marked thus × are to be executed by Officers of the Department of Public Works.

E B Powell
Director of Public Instruction

Part V

Detailed Estimate for Tools and Plant for 1871/72

Division	District or Department	Ordinary Surveying and [illegible]	Machinery	Tools	Plant	Office Furniture	Camp Equipage	[illegible] Stock	Total	Difference & Carriage	Total	Extraordinary	Grand Total
1st	Ganjam	•	•	200.	•	•	..	•	200.	100	300	11,000.	
	Vizagapatam	•	•	200.	•	•	•	•	210	100	300		
	Godavery	•	•	400	•	•	•	•	400	200	600		
2nd	Kistna	•	•	500	•	•	150	•	650	900	1550	3000	
	Nellore	•	•	500.	•	•	•	•	500	500	1.000.		
3rd	Bellary	•	•	300	•	•	•	•	300	200	500.	•	
	Cuddappah	•	•	300	•	•	•	•	300.	200	500.		
	Kurnool	•	•	200.	•	•	•	•	200	200	400		
4th	Presidency	•	•	•	•	•	•	•	•	100	100.	1,000.	
	Chingleput	•	•	500	250.	100	120.	•	970	500	1470.		
	North Arcot	•	•	300	100	50	•	•	420.	150	570.		
5th	South Arcot	•	•	500.	60	150	150	•	860	200	1060.	1.000.	
	Salem	•	•	400.	•	100	•	•	500	200	700.		
	Bangalore	•	•	•	•	•	•	•	•	25	25.		
6th	Tanjore	•	•	200.	•	300.	200	•	700	800	1500.	2.000.	
	Trichinopoly	•	•	500.	•	20.	130.	•	650.	300	950.		
7th	Coimbatore	•	•	1000	•	50.	70.	•	1120	700	1820	•	
	Neilgherry	•	•	500.	600.	•	•	•	1100	600	1700.		
	South Canara	•	•	300.	500	•	•	•	800	700.	1500.		
	Malabar	•	•	200.	•	•	•	•	200	300.	500.		
8th	Madura	•	•	200.	500.	50.	100.	•	850.	400.	1250	2,000.	
	Tinnevelly	•	•	300.	•	•	•	•	300.	600	900		
Wynaad.	Wynaad	•	•	300.	•	•	•	•	300	400	700	•	
		•	•	7.800.	2060.	845.	920.	•	11626.	8375	20000.	20,000	40000.
	P. W. Store Deptt. including Printing charges	2500	2,500.	5,000.	•	•	..	•	10.000.	20000	30.000.	•	30.000.
													70,000.

Public Works Store Department
Chepauk 2nd December 1870

J. H. Grainger
General Supdt. P. W. Stores and Workshops.

Enclosure in a letter from
the General Superintendent
of P.W. Stores and Workshops
to the Secretary to Government
P.W.D. Fort Saint George
No. 7798 d/ 2nd December 187
(W 4904/70

Part V

Detailed Estimate for
Tools and Plant for
1871/72.

28300
27700

56000

Part V

Detailed Estimate for Tools and Plant for 1871/72.

District or Department		Ordinary									Extraordinary										
		Surveying and Mathl. Instts.	Machinery	Tools	Plant	Office furniture	Camp Equipage	Live Stock	Total	Repairs & Carriage	Total	Surveying and Mathl. Instts.	Machinery	Tools	Plant	Office furniture	Camp Equipage	Live Stock	Total	Repairs & Carriage	Total	
1st	Ganjam																					
	Vizagapatam	·	·																			
	Godavery																					
2nd	Kistna	702.	·	1.970.	·	"	150.	"	2822.	1500	4.322	·	"	2072.	"	"	"	"	2072.	200.	2.272.	
	Nellore	56.	·	1589	·	·	·	·	1.645.	700.	2.345											
3rd	Bellary																					
	Cuddapah Kurnool	5172.	·	10.551.	·	·	·	·	15.723.	-	15.723											
4th	Presidency	·	·	·	·	·	·	·	·	100	110											
	Chingleput	459.	·	1996	290.	100.	120.	·	2.995.	742.	3.737.	·	"	183	"	"	"	"	183.	50.	233.	
	North Arcot	235.	·	869.	125	75.	·	·	1.304	280.	1.584.											
5th	South Arcot	496.	·	3.338.	62	170.	150.	·	4.217	250.	4.467											
	Salem	·	·	1.185.	·	100.	·	·	1.288.	200.	1.488.											
	Bangalore	·	·	-	·	·	·	·	·	25	25.											
6th	Tanjore	372.	2487.	1.047.	·	313.	462	·	4.681.	1519	6.200.	·	·	349.	·	·	·	·	349	51.	400.	
	Trichinopoly	512.	·	2.589.	·	20.	147.	·	3.268.	532.	3.810.											
7th	Coimbatore	1631.	56.	6.177.	·	65.	78.	·	6.807.	1800	8.607.	·	·	6905.	1035	·	·	"	7940.	200.	8.140.	
	Neilgherry	46.	·	1.907.	1250.	·	·	·	3.213.	750.	3.953.											
	South Canara	281.	·	1.374.	525.	·	·	·	2.180.	750.	2.930.											
	Malabar	139.	111.	936.	·	·	·	·	1186.	750.	1.936.											
8th	Madura	147.	·	800.	640	46.	100	·	1733.	1200	2.933.											
	Tinnevelly	351.	·	2.711.	·	·	·	·	3.062.	600.	3.662											
Wynaad.	Wynaad	20.	3847.	566.	·	·	·	·	4.433.	1000	5.433											
		10419.	6.501	32.908.	2.893.	892.	1204.	·	60.847.	12698.	73.545.	"	·	9509.	1035.	·	·	·	10.544.	301.	10.635.	84590.
	P.W. Store Dept.	2.500.	2500.	6.000.		·	·	·	10.000.	20000.	31.000.								·		·	30.000.
																						114590

Public Works Store Department
Chepauk 1st December 1870

J. H. Granger
General Supdt. P.W. Stores & Workshop

Enclosure in a letter from the General Superintendent Public Works Stores and Workshops to the Secretary to Government P. W. D. Fort Saint George No 998 dated 2d December 1870.

P.W. 4904/70

Part V

Detailed Estimate of Tools and Plant for inclusion in the Budget Compiled from Returns received from Supdtg. Engineers for 1871/72

Public Works Store Department.
Chepauk 2d December 1870.

No 998.

From
The General Superintendent.
Public Works Stores and Workshops
Chepauk.

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

Sir

I have the honor to forward herewith Part V of the Budget for approval

I beg to explain that Statement A exhibits the requirements of Superintending Engineers and Statement B the amount apportioned to each Division from the allotment for Tools and Plant.

I beg to add that the Controller of P. W. Accounts has been consulted in the apportionment of funds, and the allotment made to each Division has been approved by that Officer

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

J. Grainger
General Supdt. P. W. Stores
& Workshops

No. 318

P.W. 1870 Regr. No. 2904
From
The General Supdt. P.W. Stores
and Workshops
Chepauk.
To
The Secretary to Government
P.W. Dept. Public Works
Fort Saint George.
Dated 13th
Recd. 3 December
Forwarded for the information of
Government [illegible]
the Budget for 1871/72
No. 3044. 15th Decr. 1870.

Public Works Store Department
Chepauk. 13th December 1870.

No. 1026

V.C.

From
The General Superintendent
Public Works Stores and Workshops
Chepauk.

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

Sir,

I have the honor to forward herewith for approval of Government copy of the Annual Indent for P.W. Stores for the year 1871/72 prepared in accordance with the form prescribed for the Government of India, to accompany the Budget.

I beg to explain that the present requisition has been prepared with a due regard to the efficiency of the Stores, taking into account the large balances due on previous Indents, which are expected during the year, and for which under instructions from the Controller of P.W. Accounts. I have left a margin of Rupees 40,000.

The cost of Stores indented for is Rs. 40,000
and the value of Stores due on former Indents
expected during the year is about ______ " 40,000
Making a total of Rupees 80,000
the sum allowed for English Stores for 1871/72.

I have the honor to be,
Sir
Your most Obedt. Servant
J. H. Grainger
General Supdt. P.W. Stores and Wks.

P.W. 1870 Deposits
No. 5269
From
The General Superintendent
Public Works Stores and
Workshops
Chepauk.

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

Dated 13 } December 1870
Recd. }
No. 1026
Enclosures.

Forwards for approval of Government Copy of the Annual Indent for P.W. Stores for the year 1871/72 for the Government of India.

No. 3044. 15 Dec 1870

No. 319

Hutting & Building

Chief Office of the Inspector General
of Police,
No. 6569
Madras, 22d October 1870.

From
The Inspector General of Police.

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

Sir,

Enclosure One.

With reference to G.O. 8 April 1870 No. 979, I have the honor to request that Government will be pleased to postpone till 1872-73 the application of the rule which requires that none other than works for which Estimates have been sanctioned be provided for in the Budget.

2. Endeavours have been made to insure all Police Estimates for new works being laid before Government in time to admit of their being sanctioned before the time for the preparation of the Budget came round, but it has been found impossible to do this. The appropriation of funds available in the current year, including the adjustment of sums which had lapsed from the grant of 1869-70 had first to be settled and it has not been practicable to get in as yet all

Estimates for 1871-72.

3. Supervision is duly exercised to prevent the undue expenditure of public money and thus a certain time is unavoidably spent in corresponding with the District Officers. The detailed estimates have then to be prepared and after having been countersigned by me are, under the rules, again returned to the District Officers to be submitted to Government through the Superintending Engineers.

4. I annex a list of [illegible] and beg that they may be provided in the Budget for 1871-72. In most cases estimates are in the course of preparation [illegible] [illegible] measures will be taken to secure the submission of all estimates for new works in time to allow of specific provision being made for the same in the Budget for 1872-73.

5. I beg to submit a list of [illegible] required for Repairs in 1871-72.

I have the honor to be
Sir,
Your Most Obdt. Servant,
[illegible] Major
for Inspector General of Police.

Madras Police.

Amounts required for new works in 1871-72.

	District	Amount	Remarks.
2000	Ganjam	3,193	
6000 3500	Vizagapatam	6,390	Rs 1000 already sanctioned in G.O. 29th April 1869 No 7
2500	Jeypore	3,000	
3000	Godavery	4,233	Rs 490 sanctioned in G.O. 12 October 1870 No 1323.
3000	Krishna	4,000	
3000	Nellore	4,800	Rs 1800 for works sanctioned in G.O. 17 July 1869 No 1162
2000	Kurnool	3,000	
3000	Bellary	4,981	
3000	Cuddapah	6,545	
3000	North Arcot	4,000	
2000	Chingleput Distt.	2,000	
3000	South Arcot	3,000	Rs 1540 for the adjustment of accounts of works sanctioned in G.O. 29 September 1868 No 1502.
1500	Tanjore	1,709	
2000	Trichinopoly	2,000	
3000	Madura	4,000	
3000	Tinnevelly	5,600	G.O. 1740 dated 3rd November 1869 sanctions Rs 2200 for huts and stations.
3000	Salem	4,000	
3500	Coimbatore	5,000	
3000	Malabar Wynaad	6,560	
1000	South Canara	2,000	
,000	Total	80,011	

[illegible] Major
for Inspector General of Police.

Public Works 1870 Repairs Depart.
Pro. of Govt. 28th Dec. 2215

From
The Inspector General
of Police.

To
The Secretary to Govt.
Public Depts.
Fort St. George

Dated 22d October 1870
Received 27th
No. 6567

Requesting to grant certain sums on account of Hutting & Building for 1871-72.

No. 3044-15 Dec/70

No 320

Madras Police

Amounts required for Repairs in 1871-72.

Districts	Amount
Ganjam	600
Vizagapatam	400
Jeypore	200
Godavery	300
Krishna	300
Nellore	300
Kurnool	300
Bellary	500
Cuddapah	300
North Arcot	500
Chingleput District	200
South Arcot	400
Tanjore	300
Trichinopoly	200
Madura	500
Tinnevelly	400
Salem	400
Coimbatore	400
Malabar	400
Wynaad	600
South Canara	600
Total	8,300

Chief Office of the
Inspector General of Police
Madras 22d October 1870.

Major
for Inspector General of Police

Madras Government Civil Estimates from 1st April 1871 to 31st March 1872.

Number				Actuals	Estimates		Remarks
1869/70	1870/71	1871/72	Civil Engineering College	1869/70	1870/71	1871/72	
1	1	1	Principal	7200	7200	7200	
–	–	–	Military Allowances	3524	3524	3524	
7	7	7	Teachers	14,580	14,580	14,580	
1	1	1	Instructor in Bricklaying	480	528	528	
2	2	2	Clerks	840	840	840	
1	1	1	Serjeant Majors Staff Pay	960	960	960	This Estimate does not exceed Rs 40000 the limit fixed in G.O. P.W. Department No 1163 23rd May 1870.
1	1	1	Librarian	180	180	180	
13	13	13	Servants	809	816	816	
–	–	–	Contingencies	4446	6072	5122	
–	–	–	Purchase of Instruments	284	300	300	
–	–	–	Stipends	1775	3600	3600	
–	–	–	Government Scholarship	1	600	600	
–	–	–	Library and Prize Allowances	800	800	800	
			Total Grant for Civil Engineering College	36,079	40,000	39,051	
			N.B.				
			Number of Students	95	120	120	
			Fees and Contributions	2500	3000	3000	

Office of the Director of Public Instruction
Madras 1st October 1870

E B Powell
Director of Public Instruction

1870 Depart.
Enclosure
In a letter from the Inspector General of Ord.
dated Madras 22nd October 1869

P.W. 1215/70

List of Stores required for Repairs in 1871-72.

Imperial

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

	Monthly	annually	Remarks
Godavery District	Rs	Rs	
No 1 Range or Eastern Delta including Ancient Establishment			
1 Delta Superintendent	70		
2 Do at 50 Rupees each	100		
4 Do at 40 " "	160		
2 Do at 30 " "	60		
14 Lascars at 5 " "	70		
2 Lock Superintendent, at Rs 15 each	30		
4 Do at " 12 "	48		
8 Do at " 10 "	80		
4 Do at " 8	32		
60 Lock Lascars at " 6 "	360		
20 Do at " 5 "	100		
25 Ancient and Calingulah Lascars at 6 "	150		
15 Do Do at 5 "	75		
3 Maistries, at 18, 15, and 12 Rupees	45		G.O. No 1549 dated 11th May 1869
2 Goomastahs, and Clerk at 15 "	30		
1 Shroff	10		
	1420	17040	
No 2 Range or Central Delta			
1 Delta Superintendent	70		
1 Do	50		
3 Do at 40 Rupees each	120		
1 Do	30		
11 Lascars at 5 Rupees each	55		
2 Lock Superintendent at 12 Rs each	24		
3 Do at 10 " "	30		
2 Do at 8 " "	16		
21 Lock Lascars at 6 "	126		
7 Do at 5 " "	35		
	556	6672	

	Monthly	Annually	Remarks
	Rs	Rs	
No. 3 Range or Western Delta			
1 Delta Superintendent	70		
3 Do at 50 Rupees each	150		
5 Do at 40	200		
2 Do at 30	60		
20 Lascars at 5	100		
4 Lock Superintendents at 12 Rs each	48		
5 Do at 10	50		
4 Do at 8	32		
40 Lock Lascars at 6	240		
14 Do at 5	70		
6 Calingulah Lascars at 5	30		G. O. No. 1549, dated 11th
1 Clerk	15		
	1065	12,780	May 1869.
Yelurhad Lock			
1 Goomastah	10		
3 Lascars, at 5 Rupees each	15		
	25	300	G. O. No. 2357, dated 19th July 1869.
New Irrigation Channels			
1 Lascar	6		
2 Do at 5 Rupees each	10		
	16	192	G. O. No. 3166, dated 30th September 1869.
No. 4 Range or Ellore [illegible]			
1 Delta Superintendent	50		
1 Do	40		
4 Lascars at 5 Rupees each	20		
1 Lock Superintendent	12		
1 Do	8		
4 Lock Lascars at 6 Rupees each	24		
2 Do at 5	10		
3 Calingulah Lascars at 6 Rs each	18		G. O. No. 1549, dated 11th
8 Do at 5	40		May 1869.
	222	2,664	
No. 6 Range Irrigation Establishment for distributing water from the tanks in the Rajahmundry and Peddapore Talooks			
1 Superintendent	20		
3 Do at 10 Rupees each	30		
3 Lascars, at 5 Rupees each	15		
1 Peon	5		
	70	840	
Travelling allowance for the entire		2238	
Total for Godavery		42,720	

	Monthly	Annually	Remarks
Kistnah District	Rs	Rs	
Conservancy Anicut Establishment			
1 Anicut Superintendent	100		
2 Lascars, at 5 Rupees each	10		
1 Maistry	30		
1 Goomastah	12		
1 Tindal	7		
8 Lascars at 6 Rupees each	48		
20 Do at 5	100		
2 Lock Goomastahs, at 10 Rs each	20		
14 Do Lascars at 5	70		
	397	4764	
Irrigation Establishment			
2 Delta Superintendents at 70 Rs each	140		
40 Channel Do at 12	480		
44 Lascars at 5	220		
	840	10,080	
Navigation Establishment			
2 Navigation Superintendents at 50 Rs each	100		G. O. No. 3[illegible], dated 13th November 1865
2 Lascars at 5	10		
	110	1320	38, dated 31st January, 1866.
Masulipatam Canal, Rankepad Lock			
1 Goomastah	15		
6 Lascars, at 6 Rupees each	36		
	51	612	
Veerunkee Lock			
1 Goomastah	15		
6 Lascars, at 6 Rs each	36		
	51	612	
Needamole Lock			
1 Goomastah	15		
6 Lascars at 6 Rs each	36		
	51	612	
Ankoomarroo Lock			
1 Goomastah	12		
6 Lascars at 6 Rs each	36		
	48	576	
Tidal Lock			
1 Goomastah	12		
6 Lascars at 6 Rupees each	36		
	48	576	

	Monthly	Annually	Remarks
Kistnah District (Continued)	Rs	Rs	
Boodimain Channel, Jasarapully Lock			
1 Goomastah	10		
3 Lascars at 5 Rs each	15		
	25	300	
Palair Channel, Pammoor Lock			
1 Goomastah	10		
3 Lascars, at 5 Rs each	15		
	25	300	
Puntoomelley Channel, Corteran Lock			
1 Lock Goomastah	10		
3 Lascars, at 5 Rupees each	15		
	25	300	
Nizampatam Canal, Profnetah Lock			
1 Goomastah	15		
6 Lascars, at 5 Rupees each	30		G.O. No. 3411, dated 13th November 1865 — 369, dated 21st January 1866.
	45	540	
Katchepady Lock			
1 Goomastah	10		
4 Lascars, at 5 Rupees each	20		
	30	360	
Jutur Lock			
1 Goomastah	10		
4 Lascars, at 5 Rs each	20		
	30	360	
Mullamada Lock			
1 Goomastah	10		
4 Lascars, at 5 Rs each	20		
	30	360	
Tidal Lock			
1 Goomastah	10		
4 Lascars, at 5 Rupees each	20		
	30	360	

	Monthly	Annually	Remarks
	Rs	Rs	
Jagaralamoody Lock and Calingulah			
1 Goomastah	12		
4 Lascars at 6 Rupees each	24		G.O. No. 2449, dated 12th August 1867.
	36	432	
Vellatoor Western Bank Channel			
1 Goomastah	15		
7 Lascars at 6 Rupees each	42		G.O. No. 3114, dated 1st October 1866.
	57	684	
Commamoor Channel			
1 Goomastah	12		
4 Lascars, at 6 Rupees each	24		G.O. No. 586, dated 23rd February 1869.
	36	432	
Poondalah Sluice and three Calingulahs at Pundrapaud			
2 Lascars, at 6 Rupees each	12	72	
Vellamudu and Mudlapaulum Calingulahs			
1 Goomastah	10		
4 Lascars, at 6 Rupees each	24		
	34	204	
Inchavvagoo and Takker Calva Calingulahs and Sluices			For six months
3 Lascars, at 6 Rs each	18	108	G.O. No. 2408, dated 8th August 1867.
Aleru Calingulah			
1 Goomastah	10		
4 Lascars at 6 Rs each	24		
	34	204	
Aramanda Channel			
1 Goomastah	10		
3 Lascars, at 6 Rupees each	18		
	28	168	
Calingulah at Mopurra on the Boodamair			
3 Lascars, at 5 Rupees each	15	75	For five month. Vide G.O. No. 3228, dated 13th October 1868.
		2240	
Travelling allowance for the above		744	
Total for Kistnah District		25,155	

	Monthly	Annually	Remarks
Nellore District	Rs	Rs	
Southern Delta of Pennair			
1 Delta Superintendent	70		
1 Goomastah	15		
1 Lascar	6		
	91	1092	
1 Anicut Superintendent	60		G.O. No 2688, dated 16th August 1869.
1 Goomastah	10		G.O. No 3690 dated 18th November 1869.
1 Lascar	7		
15 Do at 6 Rupees each	90		
	167	2004	
1 Goomastah	8		
2 Lascars, at 5 Rupees each	10		
	18	~~126~~	For Seven months.
1 Delta Goomastah	8		
2 Lascars, at 5 Rupees each	10		
	18	126	
1 Delta Goomastah	12		For Seven months G.O. No 2688, 16th August 1869
7 Lascars, at 5 Rupees each	35		
	47	329	G.O. No 3690 dated 18th November 1869.
1 Delta Goomastah	8		
4 Lascars, at 5 Rupees each	20		
	28	196	
1 Delta Goomastah	10		
5 Lascars, at 5 Rupees each	25		
	35	245	
Nellore Tank			
1 Superintendent	7		
2 Lascars at 5 Rupees each	10		For four months
	17	68	G.O. No 3570, 30th Nov 1863

4

	Monthly	Annually	
Nellore District (Concluded)	Rs	Rs	
Vaynar Channel Head Sluice			
4 Lascars, at 5 Rupees each	20	80	
Gundaveram and Darwar Channel Head Sluice at Sangram			For 4 months G.O. No 3570, 30th Nov 1863.
1 Goomastah	7		
4 Lascars at 5 Rupees each	20		
	27	108	
Total for Nellore District		4374	
Chingleput District			
Casaveram Anicut Establishment			
1 Moneagar	7		
1 Peon	3½		
	10½	126	G.O. No 2380, dated 19th Nov. 1860
Covatoor Anicut			
1 Moneagar	7		
1 Peon	3½		
	10½	126	G.O. No 231, dated 20th Feb. 1856.
Water distributing Establishment Karinbankul Channel			
1 Maistry	20		
2 Lascars at 6 Rupees each	12		
12 Nirgunties at 4 Rupees each	48		G.O. No 68, dated 12th January
	80	960	1864 Revenue Department.
Total for Chingleput District		1212	
North Arcot District			
Palar Anicut			
1 Moneagar	25		
4 Lascars at 4½ Rupees each	18		
	43	516	G.O. No 2785, dated 31st August 1868.

	Monthly	Annually	Remarks
	Rs.	Rs.	
North Arcot District			
Poiney Anicut and Channels			
1 Moneagar	15		
1 Do for channels	12		
7 Lascars, at 4 1/2 Rupees each	31½		
1 Lascar	4¼		
	62¾	753	
Caveripak Tank			
1 Moneagar	12		
2 Lascars at 4 1/2 Rupees each	9		
	21	252	G.O. No. 2785, dated 31st August 1868.
Mahindravady			
1 Moneagar	12		
3 Lascars at 4 1/2 Rupees each	13½		
	25½	306	
Govindavady Channel			
1 Moneagar	12		
3 Lascars at 4½ Rupees each	13½		
	25½	306	
Poiney Anicut and Channel			
1 Lascar	5		
1 Do	3¾		
	8¾	105	G.O. No. 168, dated 16th January 1864.
Doosay Tank and Channel			
1 Moneagar	15		
3 Lascars, at 4½ Rupees each	13½		
	28½	342	
Cheyaur Anicut			
1 Moneagar	27		
1 Do	20		
6 Lascars, at 5 Rupees each	30		G.O. No. 168, dated 16th
	77	924	January, 1864.
Alliahbad Dam and Channels			
1 Moneagar	10		G.O. No. 2926, dated 15th Sept. 1868.
5 Lascars at 6 Rupees each	30		" " 3495, dated 10th Nov. 1868.
	40	480	
[illegible] for North Arcot District		3984	

	Monthly	Annually	Remarks
South Arcot District	Rs.	Rs.	
1 Overseer	35		
6 Cottens, at 4 Rupees each	24		
4 Do, at 4 " "	16		
3 Do at 4 " "	12		
1 Superintendent	15		
6 Cottens at 4 Rupees each	24		
4 Peons at 5 " "	20		
1 Diver	1¾		
4 Cottens at 4 Rupees each	16		
4 Peons at 5 " "	20		
4 Talliaries at 2 " "	8		
1 Moneagar	7		
1 Ameen	14		
4 Cottens at 4 Rupees each	16		
1 Ameen	7		
3 Cottens, at 4 Rupees each	12		
1 Ameen	10		
4 Cotten, at 4 Rupees each	16		
Total South Arcot District	273¾	3285	G.O. No. 2713, dated 28th Augt. 1868.
		3,285	
Trichinopoly District			
No. 1 Range			
Cauvery and Coleroon Poodoogays			
1 Peishcar	7		
1 Moneagar	7		
4 Do at 5 Rupees each	20		
13 Peons at 4 " "	52		
	86	1032	
No. II Range			
Cauvery Poodoogay			
1 Peishcar	7		G.O. No. 3433, dated 15th Nov. 1867
1 Moneagar	5		
4 Peons at 4 Rupees each	16		G.O. No. 207, dated 21st Jan. 1868.
	28	336	

	Monthly	Annually	Remarks
Trichinopoly District (Concluded)	Rs	Rs	
Kasumboo Establishment			
2 Moneagars at 4 Rupees each	8		
1 Do	2		
	4	132	G.O. No 2277, dated 12th Augt 1853.
No. III Range Ponnair Channel			
1 Moneagar to direct water at the Channel head	10		
4 Plankmen, at 4 Rupees each	16		
2 Do at 3	6		
1 Moneagar for regulating water supply among branches	15		
1 Bank Watcher	4		G.O. No 292, dated 31st Jan. 1867
	51	612	" " 3850 " 11th Dec. 1866
No. IV Range Cauvery Poodoogar			
1 Moneagar	5		
3 Peons, at 4 Rupees each	12		G.O. No 3430, dated 2nd Nov. 1867
	17	204	" " 207 " 21st Jan. 1868.
Kasumboo Establishment			
1 Moneagar	5		
1 Do	3		
	8	96	G.O. No 2297, dated 13th Augt 1853.
Vanthyaree Anicut			Government of India 28th Dec: 1869 No. 3324 Financial Department
1 Moneagar	12		Do. 11th January 1870 No. 16 E.
1 Do	10		Madras Government G.O. No 535
2 Shuttermen at 5 Rupees each	10		16th February 1870.
11 Do at 4	44		Applied for in letter
	76	912	to Government of India
Total for Trichinopoly District		3324	No. 3675, dated 17th November 1869.
Tanjore District			
Water Distributing Establishment			
1 Moneagar	10¾		
1 Do	10⅝		
1 Do	10		
3 Do at 6 Rupees each	18		
1	6		G.O. dated 5th October 1850
0 Mun[illegible] each	2[illegible]8	11522	" " 24th July 1853

6 6

	Monthly	Annually	Remarks
Tanjore District (Concluded)	Rs	Rs	
Conservancy Establishment			
8 Moneagars at 6 Rupees each	48		
1 Do	5		
28 Totties at 4 Rupees each	112		G.O. dated 5th October 1840
	165	1980	" " 24th July 1853.
Navigation Establishment			
1 Moneagar	17½		
1 Do	15		
1 Do	14		
3 Totties at 4½ Rupees each	13½		
13 Do at 4 "	52		
	112	1344	
Cauvery and Coodamoorty Dam	50	600	G.O. 14 July 1870 No 1694.
Total for Tanjore District		7079	
Ganjam District			
Neeranikum Establishment		1244	
Vizagapatam District			
Neeranikum Establishment		628	G.O. No 1311 dated 23rd Augt 1870 Revenue Department.
Madura District			
Neeranikum Establishment		1927	G.O. No 17 dated 3rd Septr 1870 P.W. Department.
Tinnevelly District			
Neeranikum Establishment		1164	
Malabar District			
Neeranikum Establishment		222	
		3,450	

Abstract.

Abstract	Monthly Rs	Annually Rs	Remarks
Godavery		42726	
Kistnah		25,153	
Nellore		4374	
Chingleput		1212	
North Arcot		3984	
South Do		3285	
Trichinopoly		3324	
Tanjore		7079	
Ganjam		1244	
Vizagapatam		628	
Madura		492	
Tinnevelly		1164	
Malabar		222	
Total		94,589	

Office of the Controller of
P.W. Accounts
Madras November 1870

S. Thorell
Controller of Public Works Accounts

Enclosure in a letter from the Controller of P.W. Accounts, Madras to the Secretary to Government P.W. Department Fort St. George dated 8th November 1870 No 1666

P.W. 4523/70

19-11-70

Part IV

Detail of Estimate for Establishments for 1871-72.

Number 1870-71	Number 1871-72	Particulars	Salary of Office	Estimate for 1871-72 Per mensem	Estimate for 1871-72 Per annum	Total	Estimate for 1870-71 Charges per annum
			Rs.	Rs.	Rs.	Rs.	Rs.
		Direction					
		Office of Secretary.					
1	1	Secretary to Government	2500	2500	30,000		30,000
33	31	Clerks from 10 to 600 Rs. each		2425	29,100		29,100
15	15	Office servants		108	1,296		1,296
		Office expenses and Contingencies		50	600		600
49	47					60,996	60,996
1	1	Chief Engineer and Joint Secretary to Government in Irrigation Department	2000	2000	24,000		24,000
		Establishments for Do		500	6,000		6,000
		Presidency House rent		30	360		360
		Travelling Allowance for the Chief Engineer for Irrigation		166 2/3	2,000	32,720	2,000 32,360
		Official Postage			6,000	6,000	"
1	1					99,716	93,356
		Superintending Engineers					
4	3	Superintending Engineers 1st Grade	1600	4800			
4	3	Do 2nd do	1350	4050			
	2	Do 3rd do	1100	2200			
				11,050	132,600		74,400
		Sumptuary Allowances			4,000		51,760
75	75	Clerks from 20 to 200 Rs. each		4515	54,180		54,180
8	8	Draftsmen @ 60 Rs. each		480	5,760		5,760
80	80	Office servants		504	6,048		6,048
		Office rent for 8 Superintending Engineers @ 50 Rs. each		400	4,800		4,800
		Travelling Allowance			14,400		14,400
		Batta for Office Establishment			3,744		3,744
		Office Contingencies @ 30 Rs. each for 8 Superintending Engineers		240	2,880	228,412	2,880 217,972
		Official Postage			26,000	26,000	"
171	171					254,412	217,972
		Total for Direction				354,128	311,328

Number 1870.71	Number 1871.72	Particulars	Salary of Office	Estimate for 1871.72 Per mensem	Estimate for 1871.72 Per annum	Estimate for 1871.72 Total	Estimate for 1870.71 Charges per annum
			Rs.	Rs.	Rs.	Rs.	Rs.
		Construction					
6	6	Executive Engineers 1st grade	950	5,700			
8	8	Do 2d do	800	6,400			
8	8	Do 3d do	650	5,200			
9	9	Do 4th do	550	4,950 22,250	267,000		248,400
10	10	Assistant Engineers 1st grade	450	4,500			
20	20	Do 2d do	350	7,000			136,800
7	4	Do 3d do	250	1,000 12,500	150,000 9,276		55,000
		Military Allowances	—	800	9,600		9,000
		Pay Proper of Uncovenanted Officers	1200	1200	14,400		14,400
		Consulting Architect		105	1260		1080
1	1	Presidency House rent				451,536	464,680
69	66						
		Upper Subordinate Establishment					
4	4	Sub-Engineers 1st grade	400	1,600			
3	3	Do 2d do	300	900			
7	7	Do 3d do	250	1,750			
15	15	Supervisors 1st do	200	3,000			
26	26	Do 2d do	150	3,900			
187	187	Sub Overseers	60	11,220 22,370	268,440		268,440
242	242	Military Allowances		3333⅓	40,000		40,000
		Presidency House rent		70	840		840
1	1	Mechanical Engineer	410	410	4,920	314,200	4,830 314,116
		Petty Establishment		L.F.	50000 118,930	117480	50000 118,930
		per cent increase for Uncovenanted Officers		610	7320	176,250 174,900	6400 175,330
		Range Office Establishments					
54	54	Accountants for 1st Class Ranges from 30 to 60 Rs. each	—	2430			
20	20	Do 2d Class Ranges @ Rs. 50 each	—	1000			
70	70	Do 3d Class Ranges from 20 to 40 Rs. each	—	2100		118,930 117480 1650	[illegible] 176250 1650 174,800
144 12	144 12	Do for the Presidency, [illegible] and [illegible] Ranges from 25 to 70 Rs. each	—	560 5990			
156	156	Clerks from [illegible] to [illegible] Rs. each	—	1725 2030			
85	85	Draftsmen from 20 to 80 Rs. each	—	1774			
49	49	Peons and [illegible]		123			
254	254	per cent increase for the Uncovenanted Officers of Range Establishments	—	7722	140,664 2238		
		[illegible] Establishments [illegible]	—	2610			
		[illegible] each	—	2388 2398	58,375	199,278	198,812
74	74	[illegible]				[illegible]	152,930
[illegible]	228						

Number 1870.71	Number 1871.72	Particulars	Salary of Office	Estimate for 1871.72 Per mensem	Estimate for 1871.72 Per annum	Estimate for 1871.72 Total	Estimate for 1870.71 Charges per annum
			Rs.	Rs.	Rs.	Rs.	Rs.
		Construction (Concluded)				1139814	
		Brought over				1141264	1152936
		Temporary Establishments			50000		50,000
		Travelling Allowance and Batta to Office Establishment	—	—	206,884		161,884
		Contingencies and Official Postage	—	L.F.	10000 3900	270784 275534	51,920 3,900 267,704
		Lithographic Department					
26	26	Draftsmen and Servants from 6 to 250 Rs. each	—	968	11,616		11,616
		Office Contingencies		50	600	12216	600 12216
		Presidency Store Department					
1	1	Moiety of Pay of General Superintendent	330	330	3960		3960
5	5	Storekeeper and Clerks from Rs. 25 to Rs. 200 each	—	395	4740		4740
19	19	Office servants	—	123	1476		1476
		Moiety of the Presidency House Rent of the Superintendent	—	22½	270	10446	270 10446
25	25					~~1434,740~~ 1433010	1443,302
		Civil Engineering College					
1	1	Principal	600	600	7200		
		Military Allowances			3524		
7	7	Teachers	—	—	12,680		
1	1	Surveying Master	—	—	1200		
1	1	Instructor in Bricklaying	—	—	528		
1	1	Serjeant Major's Staff Pay	—	—	960		
2	2	Clerks	—	—	840		
1	1	Librarian	—	—	180		
		Stipends	—	—	3,630		
13	13	Servants	—	—	816	33,428	32228
27	27						
		Contingent Charges					
		Contingencies including working money of Sappers			5122		300
		Purchase of Instruments	—	—	300		600
		Government Scholarships	—	—	600		800
		Library and Prize Allowances	—	—	800	6822 40,250	7772 40,000
		Total for Construction				~~1474,900~~ 1473260	1483,302

Number 1870-71	Number 1871-72	Particulars	Salary of Office	Estimate for 1871-72 Per mensem	Estimate for 1871-72 Per annum	Estimate for 1871-72 Total	Estimate for 1870-71 Charges per annum
			Rs.	Rs.	Rs.	Rs.	Rs.
		Account.					
1	1	Controller of Public Works Accounts	1,800	1600	19,200		15,975
1	1	Deputy Controller	550	550	6,600		6,000
1	1	Accountant 1st grade	–	300			
1	1	Do 2nd do	–	275			
4	4	Do 3rd do	150	600			
6	6	Do 4th do	110	660			
5	5	Do 5th do	80	400			
39	39	Accountants and Clerks from 15 to 100 Rs. each	–	1,538 3,773	45,276		45,276
11	11	Office servants		67	804	71,880	804 58,055
69	69						
		Presidency House Rent		105	1,260		1,260
		Travelling Allowances		–	2,000		2,300
		Contingencies		–	600		600
		Official Postage		–	13,000	16,860	3,800
		Total for Accounts				88,740	71,915
		Conservancy.					
		As per detail appended to Budget Estimate				94,590	90,604
		Grand Total				2012418	19,57,149
		Deduct difference of to be made from Savings, between the amount by which the Budget Estimate of 1870-71 was reduced ~~[illegible]~~ by the Government of India and the amount of the specific reductions made by this Government		–	–	–	31,749
		Net Rupees				2012418	19,25,400

Abstract of the foregoing charges for Establishments.

Heads	Salaries	Travelling Allowances	Contingencies	Total 1871-72	Total 1870-71
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	292,984	20,144	41,000	354,128	311,328
Construction	1,244,384	206,884	23,692 23,442	1,474,900 1,473,2[illegible]	1,483,302
Accounts	71,880	2,000	14,860	88,740	71,915
	1,609,248 1,607,798	229,028	79,552 79,302	1,917,828 1,916,1[illegible]	1,866,545
Deduct as per note at foot of last page	–	–	–	–	31,749
	1,609,248 1,607,[illegible]	229,028	79,552 79,302	1,917,828 1,916,1[illegible]	1,834,796
Conservancy	–	–	–	94,590	90,604
Total	1,609,248 1,607,[illegible]	229,028	79,652 79,302	2,012,418 2,0[illegible]718	1,925,400

2012418
1700
2010718

Office of the Controller of
Public Works Accounts.
Madras, 8th November 1870.

S. Wood
Controller of Public Works Accounts.

[illegible]

Enclosure in a letter from the Controller of P.W. Accounts, Madras, to the Secretary to Government, P.W.D., Fort St. George, dated 8th November 1870, No 1665

P.W. 4523/70

58,448
750
59,198

Estimate of the probable receipts
and on account of, the Public
the year 1871-72.

will be realized by
Department during

	Estimate, 1871-72		Estimate 1870-71, as modified by the Government of India	
	Amount	Total	Amount	Total
"Revenue, Imperial."	Rs.	Rs.	Rs.	Rs.
To be realized in Public Works Department—				
Tolls, Dues, Fees, Fines, and Refunds	15,000		73000	
Rents of Buildings	20,000		16,000	
Sales of Produce, &ca.	1,000		1,000	
Sales of Buildings, old materials, and Tools and Plant	50,000	86,000	10,000	100,000
Do do in Civil Department—				
Tolls, Dues, Fees, Fines, and Refunds	26,000		42000	
Rents of Buildings	1,500		2,000	
Sales of Produce, &ca.	"		"	
Sales of Buildings and old materials	2,500	30,000	6000	50,000
Total Revenue, Imperial		116,000		150,000
"Revenue, Local."				
To be realized in Public Works Department.—				
Tolls, Dues, Fees, Fines, and Refunds	14,000		8000	
Sales of Produce, &ca.	5,000		2,700	
Sales of old materials and Tools and Plant	1,000	20,000	300	11,000
Total Revenue, Local		20,000		11,000
"Deposits."				
To be realized in Public Works Department—				
Deposits	5,000		5,000	
Contributions for Public Works	20,000	25,000	15,000	20,000
Do do in Civil Department—				
Contributions for repairs of Tanks, Channels, &ca.	"	"	2000	2,000
Total Deposits		25,000		22000
Receipts by sales of Stock	100,000	100,000	120,000	120,000

Notes.— The Estimate received from the local Accountant General on account of Revenue Imperial to be realized by the Civil Department has been revised in this Office with reference to the average of actual receipts of previous years.

Nothing has been entered under Contributions for repairs of Tanks, Channels, &ca., to be realized by Civil Department, as such receipts are not required to be paid over to the Public Works Officers.

Office of the Controller of
Public Works Accounts.
Madras, 8th November 1870.

S. Knott
Controller of Public Works Accounts.

Enclosure in a letter from the Examiner of P.W. Accounts, Madras, to the Secretary to Government, P.W.D., Fort St. George, dated 8th December 1870, No 1666

P. W. 4528/70

Administrative Depart

No. 5033.

From

The Acting Master Attendant
Administrative Department
Madras.

To

The Secretary to Government
Public Works Department
Fort Saint George

Sir

I have the honour to forward the Port Fund Budget Estimate for the Official Year 1871/72.

Madras
Marine Office
28th September 1870

I have the honour to be
Sir
Your most obedient Servt.

J. B. Crowther

Acting Master Attendant
Administrative Department

[illegible] 1870 Sept
[illegible]
From No. 3875
The Dy. Master Attendant
Administrative Department
To
The Secy: to Government
Public Works Dept.
Fort Saint George.

Dated 23 }
Recd 30 } Sept 1870

No. 5039.

Enclosure one.

Forwards Port Fund Budget Estimate for the official year 1871/72

Rs 3644·15 Surplus

278

Port Fund Budget Estimate for 1871/72

Government of Madras

Port Fund Budget Estimate for 1871/72

Part I

Abstract of the estimated charges for works to be executed from Port Funds for the year from 1st April 1871 to 31st March 1872

Classification	Estimate for 1871/72 Public Works Depart.	Estimate for 1871/72 Marine Depart.	Estimate for 1870/71 Public Works Depart.	Estimate for 1870/71 Marine Depart.	Total 1871/72	Total 1870/71
	Rs.		Rs.		Rs.	Rs.
Original Works						
Communications	"	"	3550	"		
Miscellaneous Public Improvement	92430	"	84850	"	92,430	88,400
Repairs						
Communications	750	"	750	"		
Miscellaneous Public Improvements	6670	"	10,420	"	7420	11170
Public Works Establishment					9985	9960
Tools and Plant					998	990
Total amount of Estimate					110833	110,520

700290
750
701040

713240
701040
12200

99,850

Government of Madras
Part II

Detail of Estimates for original works for 1871/72 to be executed from Port Funds

Execution Division	No	Locality	Projects Description	Amount of Estimate	Computed expenditure up to 31st March 1871	Estimate for 1871/72	No	Remarks
			Miscellaneous Public Improvements					
Vizagapatam	1	Vizagapatam	Stone groyne for keeping mouth of the river open from South West Monsoon	"		15000	1	to be carried out by Public Works Department
Godavery	2	Cocanada	Constructing South groyne to Cocanada river with landing place	45000	"	15000	2	to be carried out by Public Works Department Estimate awaited
Tanjore	3	Negapatam	Restoring Negapatam jetty	21000	11000	8900	3	Do sanctioned in G. O. No 172 dated 30 May 1870
	4	Do	Dredging at Negapatam	5000	"	5000	4	Do Estimate awaited
	5	Tranquebar	Extending groynes &c	"	"	8000	5	Do Do
Malabar	6	Calicut	Constructing a pier	64000	54000	10000	6	Sanctioned in G. O. No 1885 of 10th June 1869
	7	Cochin	Harbour works		"	11000	7	to be carried out by Public Works Depart.
Canara	8	Mangalore	Con[illegible] a light screw pile jetty		"	7000	8	Estimate awaited to be executed by Public Works Department
	9	Do	Reclaiming part of the Backwater near the quay		"	3000	9	Do Do
	10		Minor works the estimated cost of which does not exceed Rupees 2500 each			9530	10	
			Total Miscellaneous Public Improvements			92430		

Abstract

Main heads	By Public Works Department	By Marine Department	Total
	Rs		Rs
Miscellaneous Public Improvements	92430	"	92430

Madras
Marine Office
28 September 1870

JBCrowther
Acting Master Attendant
Administrative Department

Government of Madras
Part III
Detail of estimate for repairs for 1871/72 to be executed from Port Funds

	Estimate for 1871/72 Amount	Estimate for 1871/72 Total	Estimate for 1870/71 Amount	Estimate for 1870/71 Total
	Rs	Rs	Rs	Rs
Communications				
Ganjam				
Repairs of road from Trunk road (main side) to the Custom House at Ganjam	300			
Do of 3 beach roads about 2 miles at Gopaulpore	300			
Do of 2 Do at Calingapatam	150	750		
Total Communications		750		
Miscellaneous Public Improvements				
Godavery				
Repairs to Light-house at Coringa	2000			
Do Do buildings at Do	1500			
Do Do at Cocanada	1000	4500		
Tanjore				
Protecting sand spit and repairs to sand fences at Negapatam	670			
Repairs to the revetment of the north bank of the Vettaur and the raising of the banks &c. within the limits of the Port of Nagore	550			
minor repairs to marine works	500	1720		
South Canara				
Quay repairs	250			
minor repairs to marine works	200	450		
Total Miscellaneous Public Improvements		6670		

Note The whole of the above will be carried out by the Public Works Department

Madras
Marine Office
28 September 1870

B Crowther
Acting Master Attendant
Administrative Department

Detailed List of works included in the item of 9530 entered in Part II of the Port Fund Budget of 1871/72 under Miscellaneous Public Improvements for minor works the estimated cost of which does not exceed Rupees 2500 each.

District	Work	Estimate	No and date of sanction	Expenditure up to 31st March 1871	Allotment for 1871/72	Remarks showing by which agency the works are to be carried out
		Rs			Rs	
Ganjam	Constructing a flagstaff at Gopaulpore	2280	"	"	2280	To be carried out by the Public Works Department
Godavery	Fixing a new lantern of the 2d order at Coringa	1500	"	"	1500	
Tinnevelly	Removing rocks at entrance to inner harbour Tuticorin	1000	"	"	1000	
Malabar	Constructing a wall and railing for Marine Office Compound at Alleppey & boundary pillars at that port	1170	"	"	1170	
South Canara	Laying down water pipes at the port of Mangalore	1780	"	"	1780	
	Purchase of a 3 ton Crane for Do	1700	"	"	1700	
	Erection of 6 Seats on the quay at Do	100	"	"	100	
	Total Miscellaneous Public Improvements				9530	

Madras
Marine Office
28 September 1870

B Crowther
Acting Master Attendant
Administrative Department

J.H.

PW 387 5/70

From 15 Dec 70 L 2 323-

5.5.72

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MEMORANDUM.

REQUESTED for reference the under-mentic

ginal Budget Lists of the Irrig

for 70-71- 71-72 - & 72-

A.D.

OFFICE OF THE CHIEF
ENGR. FOR IRRIGATION,
P. W. Department,
3 May 1872
To

Hawkins
DM
Head Clerk.

The Registrar of the P.W. Secretariat

15th December/69 No 20

15th December/70 P 24 Recd

29th December/71 [illegible]

Statement showing the distribution of Budget copies &c for 1871/

(283)

	No. of Budget Copies	Number of Budget Abstracts	Number of Budget Letters
Superintending Engineer 1st Division	16	16	
Do 2d	17	17	„
Do 3d	17	17	„
Do 4	26	26	„
Do 5	11	11	„
Do 6	13	13	„
Do 7	19	19	„
Do 8	11	11	„
Major R. B. Kennedy	4	4	„
Controller of Pub: Works Accounts	16	16	„
Consulting Engineer for Railways	2	5	„
Do for the Ir: R. Co	2	4	„
Agent & Manager Do Do	„	6	„
Chief Secretary to Govt, Pub: Dept	3	6	„
Secretary to Govt Revenue Dept	3	8	„
Do Military Do	3	15	„
Master Attendant	2	3	„
Accountant General	3	3	„
General Supdt of P. W. Stores	1	2	„
Municipal Commissioner	„	„	„
Board of Revenue	35	35	„
Inspector General of Police	3	6	„
Director of Public Instruction	1	3	„
R. Smith Esqre, Ex: Engr. on special duty	1	1	„

Agent to the Madras Railway	12		
Chief Engr for Irrigation	2	3	
Chief Engr Mysore	2		
Rt Hon'ble the Secy of State for India Government of India	26		26
Home Department	10		
Government of Bengal	5		
do Bombay	5		
do North West Provinces	3		
Chief Engr Hyderabad	1		

The Budget letter together with its enclosures, & then spare copies despd to the Govt of India on the 21st Decr 1870.

10 Copies of the Budget Copies to the Home Deptt of the Govt of India on — do

G.O. No 3044 (the Budget order) – The Sign copies of this together with a copy of the Budget despd to all the S. Engrs & to all others to whom the order is communicated on — do

Spare Copies of the Budget & the order despd to the Supdg Engrs 1st 2d 3d & 4th Dns & all other local offrs on the ~~do~~ 4th Janr 1871.

Spare copies of ~~do~~ despd to the S. Engrs of the 5th 6th 7th & 8th Dns on the 5th Janr 1871.

Budget copies to the Govts of Bengal Bombay & N. W. Provinces & to the Chief Engrs of Mysore & Hyderabad on the 6th Janr/71.

Accd

No 330/44

285

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 Officers of the Public Works Deptt. during 1871-72.

2. Taking the appropriation to Extraordinary Agricultural* Works at Rs. 17,95,000, for which that part of the Budget has been prepared, the Imperial Public Works grant* for the ensuing year is Rs. 72,20,000, against which demands aggregating Rs. ~~7445019~~ 14365019 are made by the local Officers, classified as follows:

Budget Heads.	Military	Civil Buildings	Agricultural Ordy.	Agricultural Extraordinary	Communications	Miss. Pub. Impts.	Totals
New Works, including reserve	20,37,826	26,55,615	7,16,905	19,67,997	20,01,396	1,08,953	94,88,692
Repairs	2,34,937	1,36,170	15,90,519	—	10,06,476	24,725	29,92,827
Establishments	—	—	—	—	—	—	16,77,700
Tools and Plant	—	—	—	—	—	—	1,50,000
State Outlay G. R. Co.	—	—	—	—	—	—	55,800
Total	~~[illegible]~~			72			14365019
Deduct Grant							72,20,000
Excess							7145019

* Works — 15,75,000
Establishments 2,00,000
Tools & Plant — 20,000
17,95,000

* Exclusive of State outlay on Guaranteed Railways.

3 The Budget of State expenditure in connection with Guaranteed Railways, as passed in the Proceedings of Govt. No. 2734, dated 15 Ultimo, amounts to Rs. 272,000 in round Nos. Adding this assignment to the grant+ for Public Works proper, the total Imperial allotment for 1871-72 is Rs. 74,92,000 which His Excellency the Governor in Council resolves to distribute over the various heads of service in the manner detailed below—

+ Rs. 72,20,000,

Main Heads of service	Minor Heads	Works not commenced		Incomplete Works		Total of two previous Columns		Reserve	Grand Total
		No	Amount allotted	No	Amount allotted	No	Amount allotted		
New Works.	Military	5	69,020	12	1,60,980	17	2,30,000	50,000	2,80,000
	Civil Buildings	"	"	44	3,38,500	44	3,38,500	50,000	3,88,500
	Ag: Ordinary	4	44,650	3	74,550	7	1,19,200	1,75,000	2,94,200
	" Extraordy	3	300,000	13	12,75,000	16	15,75,000	"	15,75,000
	Communications	"	"	23	2,20,000	23	2,20,000	50,000	2,70,000
	Misc. P. Impts	"	"	4	18,000	4	18,000	6,500	24,500
	Total	12	413,670	99	20,87,030	111	2500,700	331,500	2832,200
Repairs	Military	—	—	—	—	—	—	—	2,20,000
	Cl. Buildings	—	—	—	—	—	—	—	1,14,000
	Ag. Ordy	—	—	—	—	—	—	—	12,00,000
	Communs	—	—	—	—	—	—	—	9,55,300
	Misc. P. Impts	—	—	—	—	—	—	—	15,000
	Total								25,04,300
Establishments exclusive of proportion chargeable to Local Funds		—	—	—	—	—	—	—	16,77,700
Tools & Plant Do-Do		—	—	—	—	—	—	—	1,50,800
Madras Ry Co's Statutory		—	—	—	—	—	—	—	55,000
Railways — Do		—	—	—	—	—	—	—	2,72,000
	Total								74,92,000

4 The restrictions imposed by the Government of India on the appropriation of the Imperial grant are noted at length in the orders of that Government recorded in Pro: No. 2769 dated 17th November 1871, to which, as well as to paras 5 and 11 of G. O. of the 15th Decr 1869 No. 5/[illegible] the special attention of all Supg

4

Superintending Engineers is directed.

5 Omitting the provision for State outlay on Guaranteed Railways, the grant for 1871-72 falls short of the budget assignment for the Current year by Rs 5,05,000 as follows.

Rs 2,72,000

Rs 72,20,000

Rs 77,25,000

Heads.		For 1870/71	For 1871/72	Less	Inc
New Works	Military	340.000	2,30,000	1,10,000	
	Cl Buildings	417.000	3,38,500	78,500	–
	Ag Ordy	65.200	1,19,200	–	54,000
	Ag Extdy	1880.000	15,75,000	305,000	
	Commns	200.000	2,20,000	–	20,000
	Mis P. Impl	13.800	18.000		4,200
	Reserve	541.000	3,31,500	209,500	–
Repairs	Military	2.00,000	2,20,000	–	20,000
	Cl Buildings	110.000	114,000	–	4000
	Ag Ordy	1200.000	12,00,000	–	–
	Commns	9.30,000	9,55,300	–	25,300
	Mis P I	15,000	15,000	–	–
Establishment, Imperial, including charge against Ec: Agr Grant		1609.200	16,77,700	–	68,500
Tools & Plant do		150,000	1,50,000	–	–
Madras Ir Co State outlay		53,800	55,800	–	2,000
Total		77.25.000	72,20,000	7,03,000	198,000
Net decrease		---	---	5,05,000	–

Note

The ~~differences~~ reductions in the Budget Estimates for 1871/72 [illegible] Works Imperial, amount in the aggregate to Rs 25,00,700 ~~26,39,000~~, being Rs 415,300 ~~277,000~~ less than the grant for the current year as shown in the following Abstract:

	Heads	For 1870-71	For 1871-72	Less.	More.
Mily	Accommodation for Troops	2,32,150	2,00,000	32,150	-
	Ordnance	37,650	-	37,650	-
	~~Commissariat~~	Nil	-	-	-
	Staff	70,800	30,000	40,200	-
	Total	340,000	230,000	110,000	-
C. Buildings	Rev. Buildings	72,800	40,890	31,910	
	Post & Telegraph Do	3000	3,700	-	700
	General Do	43,220	29,050	14,170	
	Judicial Do	297,980	264,860	33,120	
	Total	417,000	338,500	79,200	700
Irg.	Extraordinary				
	Irrigation Canals	1880,000	15,75,000	3,05,000	-
	~~Drainage~~	-	-	-	-
	Total	1880,000	15,75,000	305,000	-
	Ordinary				
	Irrigation Canals	60,700	1,14,200	-	53500
	Tanks	4500	5,000	-	500
	Total	65,200	119,200	-	54,000
Communications	Roads	109,980	1,76,600	-	66,620
	Bridges	73,300	31,700	41,600	-
	Navigable Canals	16,720	11,700	5020	
	Total	200,000	220,000	46,620	66,620
M. P. Impt.	Ports & Harbours	13,800	5,800	8000	-
	Municipal	-	12,200	-	12,200
	Total	13800	18,000	8,000	12,200
	Grand Total	29,16000	25,00,700	5,48,820	1,33,520
	Net decrease	-	-	415,300	

7 Under Military, the grant for Major Works for 1871-72 falls short of the Current

Current year's budget assignment by Rs. 110,000. This is owing mainly to the [illegible] to be made available in the ensuing year under this head of service being less than the allotments for 1870-71 by one lakhs of Rs [illegible] further reduction of Rs 10,000 in the appropriations to Major Works has become necessary by the necessity of supplementing/

supplementing the provision of Rupees of Military, as herein after explained.

The appropriations to Major Works under other heads× in the outgoing Budget amounted in the aggregate to Rs 376.500. This is less than the provision for 1870-71 by Rs 54.300, which sum it has been

×Comprising Civil Buildings, Communications, and Mis: Pub: Impts

Rs 630,800

been found necessary to divert from this head, to cover, in part, the excess over the allotment sanctioned by the Govt of India for Establishments, as explained in subsequent pages.

Under the four heads already noted, none other than incomplete works save those specified in the margin have found a place in the Budget of 1871-72

Military

(1) Ghooty Rest House
(2) Buildings for the accommodation of an addl. Regt of N I at Bangalore
(3) Cook room for Recreation Room do at the Cavalry Barracks at do
(4) Hospital Sergts Qrs at —— do
(5) School room for Adults (Infantry) at do

and even amongst works of this class, the Government have had no alternative but to exclude the Great Northern Road, as well as a large number of Taluq Cutcherries and Subsidiary Jails which for want of funds, are left in an unfinished state. Under Agricultural Ordinary, the allotments for Major Works amount in all to Rs

Rs 1.17,200, which is in excess of the budget provision for the current year by Rs 54,000. The appropriations to Extraordinary Agri Works aggregate Rs 15.75,000, as follows, being Rs 305,000 less than the grant for 1870-71.

		Rs
Ganjam	– Rooshikoolia Project	50,000
Godavery	– Western Delta – Do	300,000
Do	– Eastern Do – Do	2,00,000
Kistnah	– Kistnah Delta Works	1,90,000
Nellore	– Pennair – Do – Do	1,00,000
Chingleput	– Water Supply Project	1,00,000
S. Arcot	– Palandaray Project	600,000
Tanjore	– Cauvery & Vennaur Works	2,60,000
Madura	– Periyaur Project	1,00,000
Tinnevelly	– Streevygoontum Anicut Project	1,75,000
	Total	15,75,000

8. The Reserve or grant for Minor Works, Imperial, for 1871-72 is Rs 3,31,500, which is less than the current year's Estimate + by Rs 209,500. The short provision under each head is noted below.

+ Rs 541,000

	Rs
Military	10,000
Agricultural	156,000
Civil Buildings	20,000
Communications	20,000
Mis: Pub: Dept.	3,500
Total	209500

9 The short provision under Military has been diverted to the Minor head Repairs to cover excesses explained in para 20 of these Proceedings.

11 Out of the reduction (Rs 431500) on other Services (including Civil Buildings, Communications and Mis. Pub. Dept.) Rs 14,200 have been diverted to the head of Establishments Ordinary,

and Rs. 4000 and 25,300 to repair "Civil Buildings" and "Communications" respectively. The necessity for these transfers is explained in paras 20 & 23 to 25

11 Of the short provision of Rs 56,000 under "Agricultural" Rs 56,000 has been appropriated partly to specific Major Works in Part II and partly to augment the provision

+ Rs 54,000

+ Rs 2000

for State outlay on guaranteed irrigation works, the balance being extended to increase the allotment for Establishments, regarding which full explanation will be afforded to the Govt of India.

12 The following allotments are authorized from the Reserve to meet demands on account of Minor New Works within the competence of the Supdgs. [illegible]

District	Military	Civil Buildings	Agricultural	Communications	Misc. Pub: Impt	Total
Ganjam	-	400	1000	600	-	2,000
Vizagapatam	300	400	1500	600	-	1,800
Godavery	300	500	6,000	600	-	7,400
Kistna		500	5,000	500	-	6,000
Nellore	-	400	5,000	500	-	5,900
Cuddapah	-	400	4,000	600	-	5,000
Kurnool	400	400	2,000	600	-	3,400
Bellary	3,000	400	4,000	600	-	8,000
Presidency Chingleput ~~Madras~~	2,700	1,800		-	-	4,500
N. Arcot	1,500	400	5,000	500	-	7,400
S. Arcot	300	400	6,000	500	.	7,200
	-	400	6,000	400	-	6,500
Salem	200	400	2,000	200	-	2,800
Bangalore	3,000	500	-	-	-	3,500
Tanjore	-	600	10,000	600	.	11,200
Trichinopoly	1,700	400	3,000	500	.	5,700
Coimbatore	500	500	2,500	600	-	4,100
Neilgherries	1,000	400	-	400	250	2,050
Malabar	2,000	500	500	600	250	3,850
Wynaad		-	-	500	.	500
S. Canara	300	400		400	.	1100
Madura	-	400	3000	600	.	4000
Tinnevelly	500	400	7,500	600	-	9,000
Total	18,000	11,000	73,000	11,000	500	113,500

13 These sums wil
be at the disposal of
the local Officers
the 1st April 1871, an
deducting them from
the total provision of
public Works under
all heads, the balanc
which will remain at
the disposal of Gov
are as follows -

Under Military	Rs	32000
" Agricultural	"	102000
" Civil Buildings	"	39,000
" Communications	"	39,000
" Misc. Pub: Impt	"	6000
Total	Rs	218000

14 Looking to the
smallness of their

balances. His Excellency the Governor in Council directs that the orders in para 29 in the Current Budget shall be enforced in the ensuing year. These orders should be specially communicated to all Range Officers for information and guidance.

15 The Statements of demands to be submitted by S. Engrs early in April next should show separately and distinctly -

(1) Works in actual progress on the 31st March 1871 under proper authority.

(2) Works against which payments are recorded in the current year's accounts on account of demands left unsettled in 1869-70.

16 - Irrespective of these Returns, the Govt. will expect to receive from S. Engrs,

the usual Statements
of new sanctioned works
estimated at and
above Rs 2500
and of transfers
of Imperial budget
credits exceeding the
actual requirements
of 1871-72.

17 The Inspector
General of Police
should also take
measures for ensuring
the despatch, early
in April next, of
the Statements called
for in G.O. No. 979
d/

III
dated 8 April /70
of the detailed ap-
propriations of the
lump sums pro-
vided in the Pub-
lic Works Budget
on account of Police
Buildings, Major
Hessin will observe
in reference to that
order that these
particulars are not
required to be
furnished at the
time of the prepara-
tion of the Budget
Estimate, and that
the provisions of Rule

th III apply not to the
of entries in that Budget,
es but to the detailed
a Statements due by
a him after the com-
c mencement of the
c official year
c 18 Under Rupees,
Imperial, the aggregate
Budget provision for
1871-72 is Rs 25,04,300,
against Rs 24,55,000
accorded in the Current
year. The distribution
of these grants amongst
the several Districts, is
noted in the following
abstract:-

Districts	Military		Cl Buildings		Agricultural		Communications		Mis P.I.	
	1870-71	1871-72	1870-71	1871-72	1870-71	1871-72	1870-71	1871-72	1870-71	1871-72
Ganjam	720	920	2900	3700	22500	22500	47748	48575	100	·
Vizagapatam	5160	10160	1800	2400	8500	8500	28964	29164	300	300
Godavery	·	·	5500	5700	146000	155000	22321	21800	7835	7825
Kistna	741	700	4000	3600	70000	75000	40390	41350	500	500
Nellore	·	·	2400	2400	54000	56000	44536	47272	·	·
Cuddapah	·	·	2900	2400	72500	70000	48650	46350	·	·
Kurnool	·	·	650	800	17000	20000	33787	33187	·	·
Bellary	25000	25000	1900	2400	51500	57500	52400	58525	·	·
Presidency	70079	66227	25180	31000	3000	3000	23453	20453	300	300
~~Madras~~ Chingleput	21350	25353	9525	9770	65000	90000	82005	103571	50	50
N. Arcot	4110	3610	5300	6005	107000	110000	28274	30900	50	50
S. Arcot	·	·	3600	3300	107500	137500	60121	59447	150	142
Salem	2000	2850	5520	5670	35000	35000	42600	41900	·	·
Bangalore	37440	41945	1505	12000	·	·			·	·
Tanjore	·	·	9500	7300	180000	145000	41053	38390	5000	5000
Trichinopoly	6000	9618	3600	12400	75000	71000	35888	36365	·	·
Coimbatore	200	400	3400	3400	48925	48000	32380	31690	~~4~~	4
Neilgherries	7000	9202	2000	2000			27220	26720	300	400
Malabar	16000	20000	5300	4900	1075	1100	51630	51130	200	200
Wynaad	·	·	12400	4900			42150	42650	·	·
S. Canara	1300	1300	13500	3600			40573	40370	25	25
Madura	·	·	3600	3530	41000	41000	57400	61250	100	100
Tinnevelly	2700	2700	4250	4400	86500	89900	47954	47250	100	100
Total	2,00,000	2,21,000	110000	114000	1210000	1210000	930000	955300	15000	15000

19. The excess provision of Rs 49,300 appears under the following heads.

Military - Rs 20000
Civil Buildings 4000
Communications 25,300

20 The additional assignments under the two former of these heads are due to the necessity of providing adequately for all claims, supported by rule, to houses rented and compensation for

[illegible] quarters, made on behalf of Military Subordinates and of Medical Subordinates in Military and Civil employ respectively. The provision under these heads in the outgoing Budget is calculated to be the aggregate of the charges in the current year.

21. The excess provision under "Repairs Communications" represents the grants required for the maintenance

of additional lengths of Imperial road which have recently been constructed.

22 Under "Agricultural and Mis: Public Improvement" the allotments for 1871-72 are exactly the same as those provided in the Current year's Budget, and call for no remark.

23. The Budget of Establishments submitted by the

Controller of P.W. Accts amounts to Rs. ~~20,12,418~~ 20,10,718 - This is less than the original Budget Estimate for 1870-71 by Rs. ~~112,982~~ 114,682 - Taking however into consideration the reduction of two lacs of Rs. in 1870-71 ordered by the Govt. of India, the outgoing Budget shows an excess over the reduced Estimate of the Current year of Rs. ~~87,018~~ 85,318, which is explained as follows -

Rs. 21,25,400

Difference (to be met from savings) between the amount by which the Budget estimate of 1870/71 was ordered to be reduced by the Govt. of India and that of the specific reductions made by this Govt.		31,749
Net excess, as shown below, by the adoption of the new scale of salaries sanctioned in G. O. No. 2589, of 31 October 1870.		
Excess under "Direction"	Rs: 10,440	
Do. " Accounts"	3825	
	14,265	
Deduct saving under "Construction"	9,124	5141
Additional House Rent for the Chief Engr. for Irrigation		360
Addition on account of Official Postage Rs: 45,000 - 41,920 =		3,080
Do. Do. of Pay Proper of seconded Officers, and Presidency House Rent to Engineer Establishments under "Construction"		780
Slight excess in salary of Mechanical Engineer		84
Addition on account of 50 % increase to Wynaad Officers calculated at the present rate of charge		920
Do. Do. to Wynaad Establishments		468
Additional charge on account of Surveying Master to Civil Engineering College		1200
Additions on account of sanctioned Conservancy Establishments and amount disallowed in current year's Estimate in order to make up round numbers		3,985
Increase on account of Travelling Allowance under "Construction"		45,000
		92,768
Deduct		
Saving by reduction in the number of Asst. Engineers of the 3d Grade from 7 to 4 (Rs: 1400 – 1000 = 400 × 12 =)	4,800	
Do. on the Grant for Contingencies of the Civil Engineering College	950	
Do. Do. for Local Fund Petty Establishment & Contingencies	1710	7,450
	Net Increase -	Rs: 85,318

Dt Road Fund Petty Establt & Contingencies	1,18,630	
+ Ten per cent for P W Supervising on the Estimated outlay on Road fund works – Viz Rs 19,89,970	Rs 1,99,000	3,17,630
& Do — Do – on E C Canal Works. Viz Rupees 12,200	1,220	
Canal Fund Petty Establt	2500	3,720

24. The entire amount provided in Part IV, and now passed by [illegible] is Rs ~~20,12,410~~ 20,10,710 distributed as follows.

Against Imperial Ordinary	~~11,96,200~~ 1477,700
Do Extraordinary	200,000
Total Imperial	~~1696,200~~ 1677,790
District Road Fund	317,630
~~Canal Fund~~	3,720
Port Fund	9,990
Educational Fund	1,670
Total Local	~~311,010~~ 333,010
Grand Total	20,10,710 ~~20,12,410~~

The

25. The sum specifically set apart by the Government of India for Establishments Ordinary Rs 13,09,200 to which His Excellency in Council has added Rs 68,500 ~~27000~~ from the grant for "other services" in pursuance of Clause V of Para 14 of the Circular recorded in G. O. No. 2769, dated 17th Nov. 1870. The difference[+] of one lac of Rs has been met by transfer from the allotment for Agricultural Works Ordinary. In support of this transfer it will be explained to the Government of India that, seeing that the cost of surveys in connection with Extraordinary Agricultural Works is not permitted to be charged at once to the Extraordinary grant of the year, and that it has been determined that

[+] Between the amount of the Budget (Rs 14,77,700) and the aggregate of the two sums (Rs 13,77,700) just disbursements on this account shall fall on the Ordinary grant in all cases in which the Surveys, plans and estimates are not prepared in the year in which the works are sanctioned for execution the sub division of the Ordinary grant against which these charges should appear is clearly in the opinion of His Excellency in Council "[illegible]"

Apart from this it has to be borne in mind that the entire allotment for Agricultural Works, Ordinary and Extraordinary is Rs 30.69.200, against Rs 22.67.300 for works under all other heads, and seeing that, on the principles laid down in the orders of the Government of India No. 28 A I dated 4 Feb/79, the charges to Extraordinary on account of Establishments are not likely to exceed two lacs) while the total estimated outlay (Imperial) under "Establishments" is Rs. 16.77.700 ~~16.96.200~~ the Govt. thinks ~~that~~, if these works are to continue in force, it is only fair to expect a greater proportion of the excess (Rs 1.68.500 ~~187.000~~) on Establishments to be contributed by the grant for Ordinary Agricultural Works. Moreover, looking to the large number of irrigation works which

are scattered all over the Madras Presidency there is no doubt that ordinary works of that class absorb the greater portion of the time and attention of the Executive and Accounts Establishments, and this is another reason why the excess under "Establishments" should fall more heavily on the "Agricultural Ordinary" allotment than on the grant for "Other Services". It has been shown that, of the excess of Rs.

168,500
~~187,000~~ on Establishments, it is proposed to charge Rs. 68,500 ~~87,000~~ to the provision for "Other Services", and taking into account the debits (estimated at about thirty five or forty thousand Rs.) in account of Temporary Survey Establishments to be employed on the investigation of irrigational schemes, expected to be ultimately carried out from Borrowed Capital or from the grant

the Ordinary revenues of the Country, and giving due weight to the other circumstances detailed above, His Excellency in Council trusts that the proposed transfer of one lac of Rs. from the Ordinary grant for Agricultural Works to the head of Establishments Ordinary will not be considered unnecessary by the Government of India.

In

25 In former Budgets, the charges for Official postage were entered in a lump sum under "construction" - In the present Estimate, the amount will be found distributed under "Direction" and "Accounts", to tally with the advices which the Controller receives from time to time from the Comptroller General of Accounts, who, it is stated, furnishes periodical Statements in which the Postal Department classifies the charges under the following heads -

Secretary -
Supg Engineers -
Controller -

27 The provision for official postage in the Budget of 1870-71 viz. Rs. 45,000, is the estimated charge under that head for the Current Official year.

28 In the preparation of the Budget of Establishments, the new -

consolidated rates of salary have been adopted, the provision for Military allowances for Sup. Engrs. and for Executive and Assistant Engineers, being the difference between the total of the consolidated rates, and the salaries which will be passed to the Officers who are likely to hold the various appointments in the next Official Year

In explanation of the excess of Rs 45,000 on account of Travelling allowance "under Construction", the Controller appends a Memo: of the audits during the first seven months of the Current Year, from which the Government note that the average charge on account of Travelling allowance "under Construction" is Rs 17,240 per mensem. This will give a total of Rs 206,800 pe

March	18.335
April	17.920
May	17.651
June	16.834
July	15.777
Aug	16.531
Septr	17.642
Total for 7 months	120,690
Average per mensem —	17.241

per annum, or Rs 45,000 in round numbers in excess of the reduced grant (Rs 161,884) for 1870-71.

The Governor in Council does not doubt that the Travelling allowance bills of all Members of the Public Works Depts are carefully scrutinized in the Office of the Controller and, in order to show that the charges on account

Travelling allowances, as provided for in the outgoing Budget, are in no way excessive or unusual, the Controller explains that the Bills for Travelling allowances under "Construction" actually passed in 1868/69 and 1869/70 amounted in the aggregate to Rs 264,655 and 242,909 respectively. [illegible] that the Budget Estimates for 1871/72 were prepared strictly with reference, to what are likely to be the actuals of that year under the various heads, the Govt. deem it absolutely necessary to make specific provision for the excess charge of Rs. 45,000 -

The budget allotments for Temporary and Petty Establishments, Imperial, is Rs. 50,000 in each case - The grant for works under all heads for 1871/72

being

being even less than that for 1870-71, as already shown, the charges under these heads in the ensuing year should, if possible, be lower than the actuals of the year now current - Taking the orders communicated in Paras 2 and 5 of G O No. 813, dated 18th March 1870, in respect to Temporary and Petty Establishments as continuing in full force throughout 1871/72 Supg. Engr. will carefully scrutinize the details of of the Establishments now employed, and, after making such reductions as may be practicable, they will submit, thro the Controller of Public Works Accounts, statements showing.

(1) The temporary Establishments to be employed on Surveys (Imperial) 1871-72

(2) Do. for general purposes

(3) The Petty Establishments (Imperial) to be employed in each Range 1871/72.

These Returns, which Government will expect to receive early in March, should contain full details, and be prepared in the form of the Statement which accompanied the Proceedings of Govt of the 18th March last, quoted in the preceding para.

33. The grant from Imperial Funds for Tools and Plant, Part V of the Budget, is Rs 150,000, which is the same as ~~expected to~~ the pro-

811 27

vision in the Current Years' Estimate. The distribution of this amount is as follows.

Ordinary	London Supplies	80,000
	Stores to be purchased and charges for repairs & carriage to be incurred in India	50,000
Extraordinary	Do. Do	20,000
	Total	150,000

Adding to this allotment the appropriations of Rs 22,900 and 1000 from District Road and Port Funds, respectively, the total of Part V of the Budget is increased to Rs 173,900.

The amount available from all sources to defray charges on account of Tools and Plant to be incurred in India is Rs 93,900, deducting from which Rs 20,000 specially chargeable to the Extraordinary agricultural allotment there remains a balance of Rs 73,900, which the Governor in Council resolves to appropriate as follows:

District or Departments	Surveying and Mathematical Instruments	Machinery	Plant	Supplies Tools	Office furniture	Camp Equipage	Live Stock	Total	Repairs and Carriage from place to place	Grand Total
Ganjam										
Vizagapatam				Dt. Road 200 Port Fund 630						
Godavery				Dt. Road 200 770				891	700	990
Kistna				Dt. Road 400 1000 Port Fund 200				970	100	1070
Nellore				Dt. Road 572		150		3600	200	3800
Cuddapah				Dt. Road 300 370				5560	900	6460
Kurnool				Dt. Road [illegible]				1370	600	1870
Bellary				Dt. Road 200 400				960	200	2160
Presidency				Dt. Road 300 1570				1380	~~200~~	1550
~~Chingleput~~								1850	200	2050
N. Arcot			250	Dt. Road 500 150	100	120		1120	100	[illegible]
S. Arcot			150	Dt. Road 300 1870	75			1895	500	1620
Salem			60	Dt. Road 100 840	150	150		1800	150	2045
Bangalore				Dt. Road 400 28	100			620	200	1900
									200	720
Tanjore									25	25
Trichinopoly				Dt. Road 300 2050 Port Fund 230	300	200		2952	500	3750
Coimbatore				Dt. Road 500 550	20	130		1200	300	1500
Neilgherries				Dt. Road 1000 550	50	70		2000	700	2700
Malabar			600	Dt. Road 500 50						
Wynaad				Dt. Road 200 750 Port Fund 210				1180	600	1700
S. Canara				Dt. Road 300 50				1420	400	1720
Madura			500	Dt. Road 300 290 Port Fund 200				350	400	750
Tinnevelly			500	Dt. Road 200 890	50	100		790	700	1490
				Dt. Road 300 1200				1090	400	1490
								1600	600	2200
Total			2160	31,700	845	970		35,625	8875	43,900
Genl. Supply of the P. W. Store Depôt	2000	2500		5000				10,000	20,000	30,000
Grand Total										73,900

36 As regards the provision of Rs 20,000 for Tools and Plant from Borrowed Capital the Govt desire it to be distinctly understood that no charge under this head can be incurred in 1871-72 until the detailed Estimates of the requirements of each Dist shall have been sanctioned by the Govt of India. The Superintending Engineer will accordingly submit such Estimates of the Tools and Plant as will be required for each work in the undermentioned Districts with as little delay as practicable -

Ganjam
Godavery
Kistna
Nellore
Chingleput
S. Arcot
Tanjore
Malabar
Tinnevelly

37 The Controller will understand that he has no

option but to disallow all charges against the Extraordinary Grant that are not covered by Estimates duly sanctioned by the Government of India, and he will specially report the name of any Officer who may incur expenditure in contravention of these orders.

38 The provision of Rs 30,000 for Tools and Plant against

against the General Superintendent of P. W. Stores will be understood to include Printing charges of pertaining to this Department, which, under G. O. Nos. 2394 and 2472 dated 4th and 15th October respectively have to be met from the Public Works Grant.

39 The Govt. are desirous of having before them a Statement of the probable debits to the P. W. Departt. on account of printing

charges in the Current year, and they accordingly request that the needful information may be at once supplied by the Controller of P.W. Accounts, who will report from what source this item of charge can be defrayed.

40 The amounts for which the Budgets of State expenditure on Railways and

in connection with the works of the Madras Irrigation and Canal Company have been passed in the Proceedings marginally noted are Rs 2,72,000 and 55,800 respectively. The details are as follows

No 2734-D 15 Novr/70
" 2965-D 7 Decr/70

Guaranteed Companies	For land	For Establishments	Total
Railway Companies	191,600	80,400	272,000
Madras I & C Co —	20,000	35,800	55,800
Total —	211,600	116,200	327,800

41 The Budget of works proposed for execution from the Road Fund of each District has been separately disposed of in the Revenue Department. Such of the works entered in these Budgets as are to be undertaken by Civil Officers will appear in detail in the separate Local Fund Budget which will be issued by Government in January next. The remaining works must, under the Rules, be entered in the Regular Budget of the Public Works Department, at the credit of which Dept the following sums will be placed on the 1st April next from the various Local Funds of this Presidency.

Funds	New Works	Repairs	Establishments	Tools & Plant	Total
District Road &c	12,76,580	7,13,390	3,17,630	22,900	23,30,500
East Coast Canal	12,200	–	3,720	–	15,920
Educational	11,500	5,200	1,670	–	18,370
Port	92,430	7,420	9,990	1000	1,10,840
Total	13,92,710	7,26,010	3,33,010	23,900	24,75,630

Items	Military		Cl. Buildings		Agricultural Veterinary		Agricultural Exhibitions		Commns		Mis. P. W.		Total	Total	Grand
	Imperial	Local F.	Impl	L. Funds	Imperial	L. Funds	Imperial	L. Funds	Imperial	L. Funds	Impl	L. Funds	Impl	Local	Total
Part II New Works															
Grant for Minor Works															
Part III Repairs															
Total for New Works & Repairs															
Part IV Establishments															
Part V Tools & Plant															
Part VI M. I. & C. Co. State Outlay															
Do Railways State Outlay															
Grand Total															

42. The total outlay under all heads and from all sources by Public Works Office during the ensuing official year is estimated at Rs and is classified as follows

New Works

48. On examining the lists of New Works, Imperial, for which funds are allotted in the outgoing Budget, the Government observe that the Estimates for those noted below have not yet been sanctioned -

Military

1. Bangalore. Buildings to accommodate an additional Regiment of Native Infy. -
2. - Do - Drinking water scheme from the Ulsoor Tank and Dhobie well - Revised -
3. - Do. Cook room for recreation room and Serjeants Mess for Cavalry -
4. - Do. Quarters for Hospital Serjeants attached to pavilion already built on the Race Course -
5. Do School room for adults - Infantry -

- Civil Buildings -

6. Presidency - Lunatic Asylum - Supplemental
7. Madura - Preservation of Teroomalay Naick's Palace -

Communications

8. Vizagapatam Constructing roads and clearing jungles in the Jeypore Country -

– Agricultural Extraordinary –

(9) ~~Rev~~ Ganjam – Rooshkoolia Project.
(10) Godavery – Western Delta Project
(11) Do —— Eastern Delta Do –
(12) Kistnah – Extension of the Commamoor Channel – ~~Rev~~ Suppl.
(13) – Do – Widening the head of the Masulipatam Canal Revised
(14) Chenglepet – Madras Water Supply Project – Revised – ~~Suppl.~~
(15) Tanjore – Cauvery & Vennaur Head Works –
(16) Madura – Perriyaur Project –

44. The estimates for the third and sixth works are now before the Govt of India –

45. As regards the second, fourth and fifth items, the two latter of which have been proposed by His Excellency the Commander in Chief, the Govt of India will be specially requested to allow the provision in each case to stand on the distinct understanding

that no expenditure shall be incurred till the plans and estimate of the proposed work have received the sanction of the Right Hon'ble the Governor General in Council.

46. With respect to item 7, it will be explained to the Govt of India that a distinct Estimate has been sanctioned for the work to be undertaken from the

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Current year's grant of Rs. 10,000; and that the same course will be followed before outlay is permitted to be incurred from future annual allotments.

47. Adopting the policy ~~now universally adopted~~ of concentrating troops in large Military Stations His Excellency in Council has resolved upon locating another Regiment of Native Infantry at Bangalore

To give effect to the arrangements an allotment of Rs 40,000 has been made for the first item ~~one~~ in the above list ~~in the ensuing Budget~~, and on the completion of the requisite buildings measures will be taken for abandoning one of the smaller Military Stations. No outlay should however be incurred till the plans and estimates have received the sanction of the Governor General in Council, to whom they will have to be submitted in accordance with Para 56, Sec: I, Chap: XVI, of the Code of the Government of India.

48 - In their orders on the Current year's Budget, the Govt of India observed that some limit of expenditure should be placed on the Officer concerned in regard to each item of work to be undertaken from the grant for the construction of roads and clearing of Jungle in the Jeypore Country (Item No 8 above) - This was referred for the opinion of the S. Engr of the 1st Divn who now reports that the preparation of surveys and estimates for the road to connect Jeypoor with the Vizagapatam Distt, by the Pachipentah Ghaut, on which the Budget allotment of Rs 10,000 is proposed to be expended, cannot be undertaken till the hot weather sets in, the country being too feverish to admit of any survey party proceeding there at this time of the year. Major Fraser will take measures for obtaining & submitting the required Estimate before permitting expenditure to be incurred in 1871-72.

49 - In pursuance of the orders communicated in para 14 of the Circular of the Govt of India of the 14th October 1869, No 90, a separate report will be made to that Govt with reference to this

ch

Extraordinary Agricultural Works which appear in the outgoing budget without sanctioned estimates - Original Supplemental or revised.

50 In para 28 of their Orders[x] on the Current year's Public Works Budget, the Government of India in drawing attention to the circumstance of several of the Local Fund works on which outlay was

proposed having no sanctioned estimates observed that it appeared just as objectionable to allow this in the case of Local Funds as in the case of Imperial, and expressed a hope that this Government would take steps for stopping the practice. Subsequently the Controller of P.W. Accts. suggested that the orders of the Govt. of India No 90 d/ 14th Octr 1869, under which no appropriations

[x] recorded in G.O. P.W. Depto. No. 813 d/ 18th March 1870

can be made in the Budget to Imperial works, the estimates for which have not previously been sanctioned by competent authority, be declared applicable to Local Fund Works of all Classes. This suggestion was refd to the Revenue Deptt in para 7 of P.W. Rpt: of the 12th July 1870, No 1674, and the attention of that Deptt will now again be drawn to the subject with reference to the large number of unsanctioned

Local Fund works which are entered in the Board's General Budget for 1871-72.

These remarks apply equally to the Port and Educational Fund Budgets, and the subject will accordingly receive consideration in the Educational Deptt & Marine Departments

Repairs

57. Superintending Engineers are requested in all future budgets

Parts III. to note the mileage of each Imperial road for which a maintenance grant has been sancd. or is proposal for the first time.

52 Separate provision will be found in Part III. of the outgoing Budget under "Military" and "Civil Buildings" for charges on account of house rent and compensation for inferior quarters. The Govt. desire it to be distinctly understood

+ Rs. 1,25,970 in the aggregate exclusive of rents -

	Rs.
& 1866-67 -	96,920
1867-68	101,434
1868-69 -	84,073
1869-70 -	104,081 -

Note - The expenditure in the year 1869-70 includes an outlay of Rs 25,852 on special repairs to Govt. House Madras -

that Sup. Engrs. have no authority to appropriate these grants to any other purpose than that for which they have been specifically allotted.

53. Looking to the demands for repairs to Civil Buildings made for the various Districts, and comparing those demands with the actuals of the four past years, the Govt. are not only disposed to regard the applications of the S. Engrs. under

the head are exceeded, but one is inclined to the belief that some reduction is possible in the assignments for 1871-72 -

The Superintending Engrs. will accordingly be requested carefully to scrutinize the details of past expenditure, and with the aid of the information thus obtained, to report to Govt. the smallest sums which in their opinion will

41

suffice to meet the ordinary requirements of each Distt. In this Estimate, charges on account of rent and compensation for inferior Menials should be excluded, and care should be taken to see that the amount applied for in each Distt is no more than can be readily and advantageously utilized by the Officers of the Distt.

54 The funds that will be at the disposal of the Local P.W. Officers, for expenditure on the 1st April next, are noted below.

Districts	Original Works, Major Impl & Local	Minor Works Impl estimated at less than Rs 500 each	Minor Works Local est at less than 2500 each as detailed in separate statement	Repairs Imperial & Local	Tools & Plant Imperial & Local	Total
Ganjam	[illegible]	[illegible]				
Vizagapatam						
Godavery	[illegible]	[illegible]				
Kistna						
Nellore	[illegible]	[illegible]				
Cuddapah						
Kurnool						
Bellary	[illegible]	[illegible]				
Chingleput	[illegible]	[illegible]				
Madras						
N. Arcot	[illegible]	[illegible]				
S. Arcot						
Salem	[illegible]	[illegible]				
Bangalore						
Tanjore	[illegible]	[illegible]				
Trichinopoly	[illegible]	[illegible]				
Coimbatore						
Neilgherries	[illegible]	[illegible]				
Malabar	[illegible]	[illegible]				
Wynaad						
S. Canara	[illegible]	[illegible]				
Madura						
Tinnevelly	[illegible]	[illegible]				
Genl Supdt of the PW Store Depts	[illegible]	[illegible]				
Do	[illegible]	[illegible]				
Total	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				

54. The following is a Statement of the estimated outlay from guaranteed and Loan Capital.

	Rs
Railway Madras S. W. L & Bangalore Branch	
N. W. Line	
G. S of India	
Madras I & C Co	
Deduct - Railway M S. W. Line & Bangalore Branch cost receipts from sale of stores &c to be credited to capital	
North West Line do - do	
Great S. of India do - do	

55. With these remarks, the Public

Works Budget for
the ensuing year
will be forwarded
to the Govt. of India

Further Demi No 3 [illegible]
— — — 342 — 6 — —
— — — 1263 — 6 - 5 - 7
— — — 1247 — 6 - 5 - 0 —
— — — 1514 — 4 - 5 - 0
— — — 1519 — 12 - 5 —
— — — 1353 — 16 - 5 —
— — — 1357 — 7 - 5 —
— — — 1613 — 6 - 6 - 0 —
— — — 1630 — 7 - 6 - 0 —
— — — 1820 — 11 - 7 - 0 —

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To
The Chief Engr for Irrign

To. S. Engrs
" Major A B Kennedy
" Controller of P.W. Accts
" Consg Engr for Irign
" do for the
M. I & Co.
" ~~Manager [illegible]~~
" Genl Supdt of P.W. Stores.
Workshops.
" Public Wks Deptt
" Rev Deptt
" Mily Do
" Bd of Rev
" Master Attendant
" Dr of Public Instn
" Inspr Genl of Police
" Acctt Genl
" ~~President of [illegible]~~
~~Commr [illegible]~~

Despd 21/12/70