

(1) Number of pages 18

(2) Date of repair _____

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MADRAS RECORD OFFICE.

Government of Madras.

Special DEPARTMENT.

G.O. No.

*96*Press
~~Mis.~~

Dated

*4-2-**1862**21.22.**10/11*Not to be folded or roughly handled

197

*Proceedings of the Madras Government, Financial Department,
1st February 1862.*

No. 21. Read the following Proceedings of Government in the Public Works Department,
dated 31st December 1861, No. 2,507.

Passing orders on a letter from the Chief Engineer, submitting the Budget of Public Works to be undertaken during 1862-63. } (Vide Proceedings Public Works Department,
dated 31st December 1861, Nos. 596-598.)

No. 22. ORDER THEREON, 4th February 1862, No. 96.

To be recorded.

(Signed) T. PYCROFT,
Chief Secretary.

Exd. T. O'Connor.

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*Ind. to Sec. of Government
of 3rd Dec. 1861. B. 2507*

Letter from Lieutenant-Colonel W. H. HORSLEY, Chief Engineer, to J. D. SIM, Esq.,
Secretary to Government, dated Chepauk, 6th December 1861, No. 8,100 :—

SIR,

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1. I have the honor to submit herewith the Budget of Public Works for the ensuing official year, prepared in the new form and according to the Rules laid down by the Government of India, communicated in Proceedings of the Madras Government of the 27th August 1861, No. 1,625.

2. The compilation of the Budget in the Central Office in the new forms has, I regret to say, occupied a few days beyond the period fixed for its transmission, viz., the 1st December, and this is owing to its having been necessary, in the first instance, to prepare rough Budget Lists for each District separately, to allow of their being examined and checked by the respective Deputy Chief Engineers, and a proportionate allotment made for each Circle out of the total assignment for the ensuing year, fixed by the Government of India. Only after this had been done could the arrangement and classification of the items in the new forms take place.

3. In the Circular letter from the Government of India, dated the 30th October 1861, communicated in Proceedings of the Madras Government No. 2,133, dated the 16th ultimo, the sum of Rupees 68 lacs is notified as the probable limit of expenditure for this Presidency for next year, and out of this sum it is required to provide 4 lacs for the Upper Godavery works. In setting apart one-tenth of the total assignment for the Reserve fund, as directed in the new Rules, it was thought desirable to exclude the 4 lacs for these works and to fix the Reserve at Rupees 6,40,000, or $\frac{1}{10}$ th of 64 lacs, which may be considered the actual assignment for this Presidency. This sum of Rupees 6,40,000 is itself, I consider, rather a large proportion of what remains for new works out of the total 64 lacs. To leave so much of it undistributed to particular works leads to much additional correspondence, and, moreover, grants from the Reserve being very frequently sanctioned about the middle or end of the year are often not fully availed of, which results in a short expenditure compared with the allotment. If each District is at once provided with its full share of funds for the year, with but a comparatively small reserve for unforeseen emergencies, District Engineers would be able to make better arrangements at the commencement of the year for laying out profitably the whole amount at their credit.

4. In accordance with the wishes of the Government of India as expressed in their Circular letter above referred to, additional works, marked A, have been entered in part I, of the Budget, and six lacs, the same as in last year's Budget, have been assigned for such works but are not included in the totals. In doing this I have had also in view the probability that further grants will be required for some of the works entered in the Budget as the year progresses, either from the Reserve fund or from any increase to the assignment, which may be given by the Government of India, and have, therefore, in several instances entered additional sums, marked A, for such works.

5. The distribution made of the total assignment for next year to new works, repairs and establishments is as follows, and this is shown in comparison with the allowance for similar items for the current year:—

	Budget of 1862-63.	Budget of 1861-62.	Increase.	Decrease.
	RS.	RS.	RS.	RS.
Military Buildings	1,29,210	1,52,018	.....	22,808
Civil Buildings... ..	1,38,688	1,46,687	.....	7,999
Municipal and Marine	2,67,898	2,98,705	.....	30,807
Agricultural or Irrigation	35,708	16,283	19,425	
Communications... ..	9,74,198	10,00,000	.....	25,802
	11,29,069	10,79,638	49,431	
Total of Repairs	24,06,873	23,94,626	68,856	56,609
Maintenance of Conservancy, &c., Establish- ments... ..	74,857	66,000	12,247	Net in- crease.
Public Works Establishment	24,81,730	24,60,626	21,104	
Reserve... ..	17,50,000	16,34,000	1,16,000	
	6,40,000	5,46,430	93,570	
Remains for New Works	48,71,730	46,31,056		
	19,28,270	17,58,944		
	68,00,000	64,00,000		

1½ lac for Cotton Roads and 3 lacs additional for Upper Godavery will make the New Works of this year 22,08,944

6. For "Repairs" under all heads, inclusive of the provision made for Conservancy and Niranicum Establishments, in accordance with the direction in paragraph 3 of Proceedings Madras Government, 26th October 1861, No. 1,972, a sum of Rupees 24,81,730 is entered, which is in excess of that in last year's Budget by Rupees 21,104. A comparison with the assignments for each class of repairs, shows, however, greater variations: Under Military Buildings the entry now made is less than the reduced sum allowed for this year by Rupees 22,808; and under Civil Buildings also a reduction of Rupees 7,999 has been made, but for Municipal and Marine an increase of Rupees 19,425 occurs, which is owing chiefly to increased allowance under the head "Marine," viz., for the Godavery and Tanjore Districts on account of the expense of working the Dredges for the Cocanada and Negapatam Harbours.

	Budget of 1861-62.	Budget of 1862-63.
Marine.	RS. 10,000	RS. 20,500
Godavery.	1,858	7,433
Tanjore.		
	11,858	27,933
		11,858
Increase..		16,075

7. Under agricultural or irrigation repairs, the provision made is less than that in last year by Rupees 25,802. This decrease arises from some District Engineers having themselves entered less sums as their requirements for current repairs, and these have been adopted, as by so doing a reduction is effected in the total allotment of Rupees 10 lacs for irrigation works, which the Government have

	RS.
Budget of 1861-62.. ..	10,00,000
Do. of 1862-63	9,74,198
Decrease..	25,802

Proceedings No. 2,168, dated 18th October 1860.

Current Repairs.....	RS. 10,44,585
Special Repairs.....	2,08,887
	12,53,472

desired should not be exceeded. The sums applied for on account of current and special repairs of irrigation works by all the District Engineers amount in the aggregate to as much as Rupees 12,53,472; but this of course cannot be allowed, and therefore in order that the Statement of Special Repairs may be filled up as required by the new rules, which the District Engineers appear not to have understood clearly, I have set apart $\frac{1}{10}$ th of the amounts required severally for Irrigation, Municipal and Marine repairs, and $\frac{1}{10}$ th of that for buildings as an approximate estimate, and entered, the same therein, the remainder being included in the Statement of Current Repairs.

Budget of 1862-63	RS. 11,29,069
Do. of 1861-62.....	10,79,638
	49,431

8. Under the head "Communications" the increase compared with this year's Budget is Rupees 49,431, notwithstanding that in the latter provision to the amount of Rupees 1,47,438 is made on account of roads which had not special maintenance grants allotted to them. The present Budget contains no such provision, as each District has its own maintenance for made roads. The excess Rupees 49,431, is owing to former maintenance grants having been increased and other new grants having been sanctioned for entry in next year's Budget, more particularly those for the Madura and Tinnevely Districts. In North Arcot and Salem Districts, on the other hand, certain reductions have been made, and these, together with savings in Coimbatore and Nellore, bring the net increase to the sum mentioned above.

9. In the margin is noted the amount of sanctioned maintenance grants entered in the last three years' Budgets compared with that in the Budget now forwarded, which exhibits an increase since 1859-60 of Rupees 3,23,390, as explained in detail in the accompanying two Memoranda.

1859-60.....	RS. 6,92,224
1860-61.....	8,03,103
1861-62.....	8,24,328
1862-63	10,15,614

10. As new lines of roads are completed the expense of keeping them in repair must necessarily become greater year by year, and this circumstance in a great measure accounts for the large expenditure on repairs noticed by Government in their review of the annual Progress Report for 1860-61. This state of things must continue as respects communications until the local funds of each District can afford to bear a large portion of the outlay under this head. At present these funds, where they exist, are devoted chiefly to the improvement and maintenance of District roads.

11. For "special" repairs to metalled and unmetalled roads no separate provision is made, as that could not be done without either increasing the total assignment for repairs, or subdividing the maintenance grants, neither of which was desirable. If special repairs are required, they can be provided for from the Reserve fund. On the other hand, a separate allowance for special repair to bridges, navigable canals, ferries, staging bungalows, &c., has been provided by a deduction of 20 per cent. from the grant for current repairs.

12. For Conservancy and Niranicum Establishments, the provision made of Rupees 74,857 for next year is Rupees 8,857 in excess of that included in Statement No. 4 attached to the Budget of 1861-62, which is owing to the increased grants for the (1) Godavery, (2) Kistna, and (3) South Arcot Districts, lately sanctioned, and to additional sums required in three other Districts for which applications will shortly be submitted.

- Proceedings of Government,
1. No. 1,690, dated 11th September 1861.
2. No. 1,802, dated 28th September 1861.
3. No. 2,163, dated 23rd November 1861.

13. The estimate for the Establishment of the Department Public Works amounts to Rupees 17,50,000, being an excess of Rupees 1,16,000 compared with the provision in this year's Budget Statement No. 4; but when compared with the Supplemental Budget for Establishment, which was submitted to the Accountant General on 3rd September 1861, under the instructions of Government noted in the margin,* the excess will be found to be less than above stated. This Supplemental, or rather revised Budget, amounted to Rupees 18,30,730, but in it is included the Military pay of Non-Commissioned Officers and Soldiers, and the pay proper of Warrant Officers, which it was subsequently ruled, should be charged to and drawn in the Military Department. Deducting this, as well as the items for Conservancy for which a sum of Rupees 88,680 is entered in the Supplemental Budget, inclusive of the Seven Wells water works establishment and the pay of Lascars and Sweepers attached to the Garrison of Fort Saint George, and also the allowance for the Dowlaishwaram Workshop establishment, which is to be advanced independently of the Budget allotment, the increase over the Supplemental Budget amounts to 67,407, which is owing chiefly, first, to increased provision for the Military allowances of Engineer Officers, since promoted, and of others who have joined the Staff Corps and thereby received promotion; 2ndly, to allowances for filling up all vacancies in the Engineer and Subordinate establishments to the fixed allotment, which the Supplemental Estimate did not provide for fully, and 3rdly, to the entry of the charge for the Medical establishments maintained in the Godavery, Kistna and Malabar Districts under instructions from the Accountant General.

Statement No. 4 of 1861-62.....	Rs. 17,00,000
Deduct for Conservancies establishment.....	66,000
Present Statement.....	16,34,000
	17,50,000
* Proceedings 4th July 1861, No. 1,339. Proceedings 6th July 1861, No. 316.	1,16,000
Supplemental Estimate.....	18,30,730
Deduct pay of Warrant, Non-Commissioned Officers and Soldiers.....	24,947
Total..	18,05,733
Items deducted	
Military Pay.....	24,947
Conservancy.....	88,680
Workshop.....	34,560
Total deducted.....	1,48,187
Allowed.....	16,82,593
Amount of Supplemental Budget..	18,30,730
Present Budget.....	17,50,000
Supplemental Budget reduced as above.....	16,82,593
Excess...	67,407

14. If the estimate for Establishments were made simply upon an average of the three past years' outlay, the sum required to be provided would certainly be much less than Rupees 17,50,000, the average being only Rupees 16,74,500. It is my impression that the actual expenditure on establishments in 1862-63 will not much exceed this average, owing to vacancies not filled up at once and absence of Officers and Subordinates on leave, the probable saving from which it is impossible to estimate. Another reason for providing for the full sanctioned establishment, without omitting any probable charge likely to be incurred, is that the Civil Paymaster bases his pre-audit of Bills for charges on account of establishment upon the estimate framed for the Budget, and Bills for any item not specially included therein are returned unpassed by him, which leads to a considerable amount of correspondence and delay in payment of salaries, &c.

15. The reason for the omission of the establishment for the Seven Wells water works and the Lascars and Sweepers attached to the Garrison of Fort Saint George is, that it appears from correspondence which has taken place with the Accountant General, that these charges were heretofore debited to the Military Department, and the Controller of Military Finance has therefore been requested to make provision for them in his Budget of 1862-63.

	1862-63.	1861-62.
New Works.....	Rs. 19,28,270	17,37,374
Reserve.....	6,40,000	5,68,000
	25,68,270	23,05,374
Deduct for Upper Godavery.....	4,00,000	2,00,000
Rs.....	21,68,270	21,05,374

16. After providing for Repairs, Establishment, and Reserve, Rupees 19,28,270 remain for New Works, of which Rupees 4 lacs are set apart for the Upper Godavery, and this leaves 15,28,270, which, if added to the Reserve, shows an excess of only a little more than half a lac over the allowance for new works in this year, notwithstanding the addition of Rupees 4 lacs to the assignment of next year. From this reduced sum to meet the expenditure on several incomplete projects for which funds are so much needed, I have not been able to provide for the value of English stores expected from England within the allotment for the next year. This demand will itself require as much as 2½ lacs, the sum allowed in the current year's Budget, and to which extent I anticipate supplies are likely to be sent out next year also. In paragraph 9 of my letter of the 11th October 1861, No. 5,853, I enquired whether it was intended that the Budget assignment was to be reduced by this sum, but this paragraph, together with the two preceding ones have been referred to the Government of India, and directions were given to enter the probable value of stores at the end of Part I. of the Budget, which has accordingly been done.

Should the Government of India, however, disallow the grant, notwithstanding that the charge will be a mere transfer debit and constitute no cash payment from the Treasury of the Presidency, the only alternative will be to diminish the allowance for repairs by a general reduction of ten per cent. under all heads, and to direct the stoppage of all repairs which can be deferred to another season without injury to the works, rather than take away any portion of the small amount available for new works.

17. The amount proposed for new works in the Budget now forwarded, is divided in the following manner amongst the three principal heads, and is compared with the items allowed for the current year as noticed in the Review of the Government of India on this year's Budget:—

	Budget of 1862-63.	Budget of 1861-62.	Increase.	Decrease.
	RS.	RS.	RS.	RS.
Military and Naval	2,57,597	4,07,935	.....	1,50,338
Civil Administration... ..	1,01,941	1,32,612	.....	30,671
Public Improvements	15,68,732	12,18,397	3,50,335	
	19,28,270	17,58,944	3,50,335	1,81,009
			1,81,009	
			1,69,326	

18. It will be seen that the allowance for Military works is less by 1½ lac of Rupees, which is in accordance with the desire of Government that the large works of a remunerative character remaining incomplete in the Godavery, Kistna, North Arcot, and Madras Districts, should be provided with sufficient funds in this year's Budget, which could not have been done otherwise than by a diminution in the expenditure on Military Works. The Government of India, it will also be seen, have in their Review* of the Current year's Budget remarked upon the desirableness of reducing expenditure on Military works, and pointed out that funds were not provided for the large projects of public improvements sanctioned in that and the previous year's Budget. They also approved of this Government assigning the limited balance at its disposal chiefly to the completion of works already in progress.

* No. 1,312, dated 27th April 1861, paragraph 9.

19. The Quarter Master General, in a communication dated 20th ultimo, No. 443, forwarded a list of the Military works for which it is desired that provision should be made in the outgoing Budget, but as these works amounted to as much as Rupees 4,08,488 and embraced items not yet sanctioned, I could not provide for all of them. The permanent Family Quarters to be erected in Fort Saint George in the place of the present Parcherry Barracks are estimated at Rupees 1,13,500, and the plan and estimate for the same are now under revision in this Office and will probably require the sanction of the Government of India with reference to paragraph 13 of the new Budget Rules. Should any funds be required for this work, a grant may be made from the Reserve fund.

20. In Proceedings of Government dated 22nd August 1861, No. 528, Rupees 1,60,000 were sanctioned for 320 temporary Family Quarters for Soldiers at this Presidency. The Quarter Master General, in reply to a letter from this Office asking how this sum was to be distributed, intimated that 449 quarters were needed, and entered the probable cost of this number, viz., Rupees 2,24,500, amongst the requirements of next year. In the Budget now forwarded, however, I have entered only the sanctioned sum, distributed amongst the three stations noted in margin, and of this have allowed Rupees 54,000 for expenditure in 1862-63.

Saint Thomas' Mount.	Allowed for Expenditure.
38 Quarters Rs. 29,000	15,000
Trichinopoly.	
96 Quarters " 48,000	20,000
Cannanore.	
166 Quarters " 82,000	20,000
Total Rupees 1,60,000	55,000

that required at Bangalore, estimated at Rupees 13,810, and have entered another set for Cannanore, estimated at Rupees 3,920, with the letter A. opposite to it.

22. Government in their Order of the 21st October 1861, No. 1,928, required that an entry of Rupees 2½ lacs should be made in next year's Budget for the Pálár works.

23. It has however been found impracticable, owing, as above pointed out, to the large sum set apart for the Reserved fund, to allot more than Rupees 1,10,000 to these works in the Districts of North Arcot and Madras, and Rupees 25,000, for the Poiney Anicut Project in the former District. Further conditional grants for these projects to the aggregate amount of Rupees 1,10,000 are entered with the letter A. opposite to them.

† Educational Department.

24. With reference to the Proceedings† of Government of the 18th ultimo, No. 54, directing the entry in the Budget of 1862-63 of as much of the cost of the buildings for the Military Orphan Asylums at Ootacamund as can be constructed in that year, less such amount as may be available from local sources, I beg to state that the Director of Public Instruction has reported that Rupees 50,000 are available for this purpose, exclusive of the value of the buildings at present in occupation by the two Asylums, and as the above sum will be sufficient to commence operations, and as, moreover, funds are urgently required for so many other works. I have omitted the entry in the Budget to Rupees 20,000 and even this is conditional, having the letter A. marked against it.

25. In paragraph 8 of the Proceedings of Government dated 31st January 1861, No. 214, it was ordered that minor new works were to be provided for from the repair allotments, and I conclude the same course will have to be followed next year. At the same time I would beg to point out that provision will have to be made from the Reserve fund for works, other than repairs, expected to be completed, but which may not be so, by the 30th April 1862, and for which

there is no special allowance in the Budget. In the current year such works amounted to a large sum,* for a great portion of which Government were unable to give a special assignment from the Reserve fund, and they were therefore directed to be proceeded with from the General funds of the District.

* Rupees 1,68,066.

26. In conclusion, I may observe that the letter B. has been entered opposite works to be undertaken from the 1 per cent. Income Tax as far as the information before me has allowed. The total receipts on the above account, as furnished to me in an Official Memorandum† from the Board of Revenue, amount to Rupees 3,55,011; but this does not include the collections from the pay of public establishments and from interest on Promissory Notes, which has yet to be furnished by the Accountant General. It will be very easy, however, on receipt of this information to apportion the amount of these collections to works of general importance, such as are mentioned in Section 191 of the Income Tax Act.

(True Copy.)

C. M. A. S.
Deputy Secretary to Government.

Financial Secy

PUBLIC WORKS DEPARTMENT.
Public.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from the Chief Engineer:—

Submitting Budget of Public Works prepared in the new form } (Here enter 6th December 1861, No. 8,100.)
for the ensuing official year 1862-63.

ORDER THEREON, 31st December 1861, No. 2,507.

1. With this letter the Chief Engineer submits the Budget of Public Works to be undertaken during 1862-63. The statements have been prepared agreeably to the rules and forms furnished with Colonel Yule's letter, dated 27th July 1861, No. 68.

2. The total expenditure proposed amounts to Rupees 68,00,000 exclusive of the works* marked A, which are proposed to be undertaken in the event of the Government of India increasing the assignment for the year, but inclusive of those marked B, or works to be constructed out of the proceeds of the one per cent. Income Tax. The reduction of the estimate for establishments from 17½ to 17 lacs, as directed in Government Order dated 24th December 1861, No. 2,373, places Rupees 50,000 at the disposal of Government for expenditure on works. Moreover, the approaching cession of North Canara to Bombay renders it unnecessary to provide for that District, as of course this obligation will devolve on the Bombay Government, which will hereafter receive the revenues of the Province, and cannot expect that Madras should pay for its Public Works any more than for any other of the expenses of its administration. The Government remark that the Chief Engineer has proposed an allotment of funds to this District greatly out of proportion to its relative importance and much beyond what Government could have sanctioned, if it had not been for the strongly expressed desire of the Supreme and Home Governments that the works in the northern portion of the Province should be rapidly pushed on. Had the District remained attached to this Presidency the Government would have been prepared to have devoted to it a portion of the funds which, in strict justice, should have been expended on other Districts. The cession which will take place next year relieves the Government of this necessity; in the current year the expenditure has been liberal, and for the future the Government of Bombay will of course provide. This arrangement places a sum of Rupees 2,74,432† at the disposal of Government.

NOTE.—Intimation of this will at once be given to the Bombay Government, and the Chief Engineer will be desired to forward the District Engineer's Budget, &c.

Districts.	Revenue in Lacs.	Chief Engi- neer's Bud- get.
	RS.	RS.
Ganjam	21	1,35,000
Bellary	24	2,52,000
Cuddapah	21	2,30,000
South Arcot	33	2,19,000
Madura	27	2,27,000
Tinnevely	33	2,21,000
Coimbatore	26	2,12,000
Salem	24	1,73,000
Malabar	29	1,87,000
Kurnool	16	1,19,000
Trichinopoly	16	2,01,000
South Canara	16	1,02,000
Vizagapatam	16	1,08,000
North Canara	16	2,74,000

	RS.
+ Original works	1,18,595
Repairs	1,00,337
Establishment	55,500
Total	2,74,432

3. There are also some entries in the Budget to which the Government take exception and would omit. These are—

I. Under Sluice to Dowlaishwaram and Rally Anicuts, Rupees 22,400, B.—*Vide* G. O. 31st December 1861, No. 2,469.

II. Widening the road from Ootacamund to the Governor's Shola, Rupees 3,790.—*Vide* G. O. dated 23rd December 1861 No. 2,356. The small sum required for wooden bridges on this line may come out of the General Funds of the District.

III. Constructing a tram-way from the Railway near Coimbatore to the foot of the Coonoor Ghát, Rupees 25,000, A. The Government have not yet received any information on this project which would warrant their including it in the Budget, even in the class of works the execution of which is contingent on an increased Budget assignment to this Presidency. Moreover, if the information now being collected leads the Government to undertake the work, they would wish to do so promptly, instead of being dependent for the necessary funds on the contingency above stated. The best course, therefore, is to omit the work; if it be resolved upon funds may be provided from other sources, or if this be impracticable, a special grant may be sought out of the fund mentioned in clause 3, paragraph 3 of the Budget Rules of the 27th July last.

IV. The estimate for Overseers' sheds in Trichinopoly should be excluded under Rule 31, as it is under Rupees 1,000.

4. Of the funds set free by the above arrangements, the Government would make the following disposition :—

I. Raising the Godavery Anicut.—The plans and estimates for this work have not yet come before Government, but the cost is approximately entered at Rupees 2,82,540 and the allotment is only Rupees 30,000. The work, however, is one which should be done promptly when taken in hand, and the Government would therefore make the assignment Rupees 80,000, or about enough for one section of the Anicut. Of this allotment Rupees 58,548 will be marked B, as part of the Income Tax Revenue for Public Works.

II. Works of irrigation and navigation in the central Delta of the Godavery.—
The estimate is Rupees 3,15,932
and the expenditure is calculated at about „ 2,35,233

leaving about „ 80,699
still required for completion. The Chief Engineer proposes only 20,000 Rupees, but double that amount may now be assigned. The Government will expect revised plans for this expenditure, so that they may know what will be done for the money and what will remain for accomplishment hereafter of the sanctioned designs.

III. Enlarging the head of main channel from Seetanagram to Doogharalla.—The estimates for the group of works under this number, aggregate Rupees 2,61,344, while the proposed expenditure is only Rupees 39,800, a further sum of Rupees 20,000 being marked A. At this rate the work would be years in hand, and as it is necessary fully to utilize the Anicut the Government would raise the first item to Rupees 60,000, leaving the second marked A as it is.

IV. Excavating a Canal of Irrigation from Nellore to Kistnapatam.—This work was sanctioned in August last, and has been approved by the Secretary of State. The estimate is Rupees 59,600, and the computed expenditure in the current year Rupees 20,000. The Chief Engineer proposes an assignment of Rupees 20,000, and a further sum, marked A, of Rupees 10,000, which would still be some 9,000 Rupees short of the estimate. The object of the work is to turn the Anicut recently built at Nellore at considerable cost to fuller advantage, and as it has been shown to be of a highly remunerative character it should be completed as soon as possible; being close to the town of Nellore, there is likely to be an ample supply of labor. The Government would grant the full sum of Rupees 39,600 required for its completion.

V. Widening and extending the Hera Cálva at Siragopa in Bellary, estimate Rupees 14,400, expenditure Rupees 7,440, assignment Rupees 5,000.—This small work need not be kept in hand for another year. The Government would grant the remaining sum of Rupees 1,960, the Chief Engineer's allotment remaining marked B.

VI. Pálár Anicut in the Madras District.—The same project in the North Arcot District. The Government have recently pressed the early completion of this work, and as it is close to Madras there can be no difficulty in procuring sufficient labor and superintendence. The work was estimated to cost Rupees 8,66,144, and as the computed expenditure is Rupees 5,69,199, a further sum of Rupees 2,96,945 is required to complete it. The Chief Engineer proposes to allot Rupees 1,10,000 and a further sum of Rupees 90,000 marked A. The Government would raise the grants in Madras from 50,000 to Rupees 80,000, and in North Arcot from Rupees 60,000 to Rupees 85,000, the items marked A remaining as they are.

VII. Enlarging the Poincy Channels in North Arcot.—This work is of a similar character to the preceding, and the same arguments apply in support of its early completion. The estimate is Rupees 1,53,283, the expenditure Rupees 11,550, and the balance required Rupees 1,41,733. The Chief Engineer proposes a grant of Rupees 25,000 and a further sum of Rupees 20,000 marked A. The Government would raise the first item to Rupees 50,000.

VIII. The Government would devote Rupees 13,600 to the completion of the Samulcottah and Cocanada Canal, which requires only that sum to finish it.

IX. Trunk Road from Nowpadah to Cassebogh in Ganjam.—This is an important link in the Trunk Road to Calcutta, and should be completed next year. The grant of 10,000 Rupees, marked A, should be made out of the regular Budget.

X. Trunk Road No. 6 from Covúr to Mudigunda in Nellore.—This gap in the Northern Trunk road should be remedied. Rupees 20,000 may be granted for it in addition to the Rupees 10,000, marked A.

XI.—The important roads* in Cuddapah between Bellary and Madras, require a larger allowance than is proposed. Rupees 5,000 may be added to the sum of Rupees 10,000 allotted for the first, and Rupees 10,000 granted for the second.

XII. Road from Trichinopoly to the Salem frontier.—Rupees 10,000 may be added to the proposed grant of Rupees 5,000 for this important line.

XIII. Road from Vizagapatam to Jeypore.—The Rajah of Vizianagram has offered to bear half the cost of this road, estimated at about Rupees 2,25,000, and the Government in their order dated 31st December 1861, No. 2,461, have resolved on accepting the offer. The grant should be raised from Rupees 6,000 to Rupees 30,000 which, with a similar contribution from the Rajah, would probably be as much as can be profitably spent.

XIV. High Road No. 4 through Madura.—A further grant of Rupees 10,000 or 20,000 in all may well be made for this line.

XV. Salt roads in Tinnevely.—These lines should be pushed on, as they will materially affect the Salt revenue and also facilitate the transit of Cotton, &c., to the Coast. The grant may be raised from Rupees 20,000 to Rupees 33,262, which is within a few Rupees of the balance of the estimates.

XVI. Very little is allotted in the Budget for roads in Bellary, though their importance in a District so far inland is very great. The Government would grant Rupees 28,500 for the main line running east and west, and the Chief Engineer will call for the necessary estimates.

XVII. Coast Road to Hossdroog in South Canara.—The estimate is Rupees 34,000, the Government would raise the grant of Rupees 10,000 to Rupees 25,000.

XVIII.—Junction Canal from Mogultoer to Neelapully (Godavery). A further sum of Rupees 20,000, marked A, may be assigned to this Canal.

* Nos. 127 and 129 in the printed Budget.

5. The following abstract shows the Budget assignments as thus revised, classified under the prescribed main heads:—

	Part I.	Part II.	Part III.	Total.
	RS.	RS.	RS.	RS.
Expenditure as proposed by the Chief Engineer...	19,28,270	24,81,730	17,50,000	61,60,000
<i>Deduct.</i>				
Establishment reduced...			50,000	50,000
Provision made for works and establishment in North Canara to be transferred...	1,18,595	1,00,337	55,500	2,74,432
Under Sluices to Dowlaishwaram and Rally Anicuts...	22,400			22,400
Widening the road from Ootacamund to the Governor's Shola...	3,790			3,790
Minor works under 1,000 Rupees struck out under paragraph 31 of the Budget Rules...	500			500
	1,45,285	1,00,337	1,05,500	3,51,122
<i>Remainder.</i>	17,82,985	23,81,393	16,44,500	58,08,878
<i>Add.</i>				
Increased allotment for raising the Godavery Anicut...	50,000			50,000
Do. do. for the works of Irrigation and Navigation in the Central Delta of the Godavery...	20,000			20,000
Do. do. for enlarging the head of main channel from Seetanagarum to Doogharalla...	20,200			20,200
Do. do. for excavating a Canal of Irrigation from Nellore to Kistnapatam...	19,600			19,600
Do. do. for widening and extending the Hera Cálva at Siragopa in Bellary...	1,960			1,960
Increased allotment for Pálár Anicut works in Madras and North Arcot District	55,000			55,000
Do. do. for enlarging the Poiney Channels in North Arcot	25,000			25,000
Completing the Samulcotta and Cocanada Canal.— <i>Vide</i> Order of Government, dated 11th December 1861, No. 2,282	13,600			13,600
Trunk Road from Nowpadah to Cassebogh in Ganjam.	10,000			10,000
Do. from Covúr to Mudigunda in Nellore	20,000			20,000
Important roads in Cuddapah between Bellary and Madras	15,000			15,000
Road from Trichinopoly to Salem Frontier	10,000			10,000
Road from Vizagapatam to Jeypore.	24,000			24,000
High Road No. 4, through Madura	10,000			10,000
Salt Roads in Tinnevely...	13,262			13,262
The main line of the road in Bellary running east to west.	28,500			28,500
Coast Road to Hossdroog in South Canara	15,000			15,000
Total.....	21,34,107	23,81,393	16,44,500	61,60,000

6. Part I contains 213 new works, some already sanctioned and others still to be sanctioned, estimated to cost when completed Rupees 101,11,738.

*GODAVERY.	RS.
Raising the Godavery Anicut.....	2,82,540
KISTNA.	
Enlarging the head of main channel from Seetanagarum to Doogharalla.....	2,60,200
GODAVERY.	
Constructing grand Junction Canal from Mogaltoor to Neelapully.....	2,97,543

The computed expenditure up to 30th April 1862 will be Rupees 41,35,789, and the proposed expenditure in 1862-63 is Rupees 21,34,107. Three* of these projects, the cost of each which will exceed 2 lacs require the sanction of the Government of India. The Chief Engineer will be requested to submit as soon as

possible the estimates for the first and third works, and the further information called for in the order of Government, dated 24th December 1861, No. 2,382 in regard to the second. His attention will be drawn to paragraph 17 of the Budget rules which requires the submission of the estimates and plans before the 31st March next.

7. The value of stores expected from England, viz., Rupees 2,50,000, will be shown in one sum in Part I, and as already resolved in Proceedings dated 31st December, No. 2,477, the Government of India will be requested to grant that sum in addition to the 68 lacs promised for the year 1862-63.

8. Part I of the Budget has, in the course of its examination in the Government Office, undergone several alterations, as shown in red ink in the original manuscript copy. This copy will be sent to the Chief Engineer in order that corresponding corrections may be made in his Office copy.

9. The Chief Engineer will as usual instruct the District Engineers not to commence the execution of the works which, though entered in the Budget, have not yet received sanction, unless specific authority has been granted for the purpose. They will be held responsible for all unauthorized deviations from this order. The Chief Engineer will expedite the submission of the estimates. The following is a list of such works:—

District.	Description of the project.	No. in the Budget.	Amount of the proposed expenditure in 1862-63.
			RS.
Vizagapatam...	Road from Vizagapatam to Jeypore...	172	30,000
Godavery...	Tunnel in the Ingeram Channel ..	63	2,000
Do.	Raising the Godavery Anicut...	60	80,000
Do.	Constructing Locks and Kalingulabs in the Mundapetta Channel.	203	5,000
Kistna ...	Enlarging the head of Main channel from the Seetanagarum to Doogharalla, &c...	74	60,000
Kurnool.....	Bridge across the Kundár...	184	6,527
Trichinopoly...	Constructing a bridge over the Codamoorty river...	190	4,000
Madura.....	Madura town water project...	51	10,000
South Canara..	Constructing a Táluc Cutcherry at Uppenungady	27	6,300
Do.	Do. do. at Udipt...	28	5,700
Do.	Closing the mouth of the Godrapur river...	54	6,300
Do.	Constructing a coast road to Hossdroog...	178	25,000
Madura.....	Road from Tondy viâ Davacotay, Tripatúr and Cotampaty to Dindigul...	155	11,405
Do.	Repairing and improving the portion of the road from Pulney to the Cumbum frontier...	149	5,000

District.	Description of the project.	No. in the Budget.	Amount of the proposed expenditure in 1862-63.
Madura...	Road from Maylore to Tripatoor...	156	RS. 3,670
Presidency.....	Erecting a store room for Malt Liquor with lower and upper story, &c., for the Commissariat Department...	21	8,640
Do.	Erecting a bell tower of three stages in the compound of Saint George's Cathedral, &c....	46	4,715
Do.	Bridge over the Kúam bar...	200	25,000
Do.	Constructing approach to the Madras Pier works...	56	15,000
Bellary...	Main road running east to west...	131	28,500

10. Part II shows the assignment for current and special repairs in each District. The expenditure under all heads inclusive of the Conservancy establishments, amounting to Rupees 23,81,393, exceeds the similar provision in the Budget for 1861-62 by Rupees 21,119. However, under the explanation afforded by the Chief Engineer the statement will be transmitted to the Government of India as it is. The small difference between the original maintenance for a portion of Trunk Road No. 6 and that authorized in the Order of 11th December 1861, No. 2,283, has not been entered, as funds are not available. The Government will be prepared to allow the requisite sum from the reserve fund if the Chief Engineer finds it impracticable to take it from any other source. The Appendix to the Repair Statement prepared by the Chief Engineer in the usual form will be printed under his orders, if he thinks that it will be of use to his and the District Engineers' Offices. The Government of India do not require it.

11. Part III exhibits the proposed expenditure for establishment and contingencies amounting to 17½ lacs. The Government have reduced it to Rupees 16,44,500.

This reduction has been made by striking out the provision entered for the North Canara establishment for reasons already stated, and by reducing the sums entered for travelling allowances and contingencies, and any transfer from one of these heads to the other that may be found necessary during the year can be easily made hereafter. The 1,05,500 Rupees thus saved have been added to new works as pointed out in the table in paragraph 5.

12. The Chief Engineer has correctly fixed the "reserve" for the year at 6,40,000, by taking ten per cent. of the total assignment for the year minus the four lacs given for the Godavery works. Colonel Horsley considers this sum large and prefers an immediate distribution of it among the Districts. The Government do not entirely concur in this. Ten per cent. is not an unduly large reserve against contingencies, and it is always reduced by demands for funds to complete works which contrary to expectation remain unfinished at the end of the official year. Last year Rupees 1,68,000 were sought on this account, but the Government will be much disappointed if so large a demand is made next year. Moreover, as the year advances it is constantly found that funds are required to push on works of importance. There are still four months between this and the commencement of the next official year, and there is ample time for plans and estimates being submitted for works to be executed out of the Reserve Fund. First among these is the Pommel Tank Project, to which the Government attach great importance both as a remunerative project and in its bearing on the supply of water to Madras, and on the formation of a high level fresh water junction canal. The Government would also wish the projects for storing water on the Neilgherry Hills for the supply of the plains, to be taken up in the ensuing year. Lastly, a selection may be made of the items marked A, some of which are required to complete important works.

13. The totals of the several parts as revised by Government stand as follows:—

	RS.
Part I	21,34,107
Part II	23,81,393
Part III	16,44,500
Reserve Fund	6,40,000
Total ...	68,00,000

14. The following table will show at one view the portion of the above sum, which may at once be made available for expenditure on 1st May next, and the Accountant General will issue instructions accordingly. The sums specified are to include the cash balances remaining on the 1st May 1861. The works marked A are not to be commenced before the orders of the Government of India on this Budget are received and specific instructions of Government are

issued. The reserve fund will be kept in a lump as done last year, and will be allotted by the Accountant General from time to time, under the orders of Government.

Districts.	Aggregate of the first two parts as per abstract No. IV.	Deduct works not sanctioned.	Remaining available for expenditure on 1st May 1862.
1	2	3	4
	RS.	RS.	RS.
Ganjam ...	99,367	.....	99,367
Vizagapatam ...	94,110	30,000	64,110
Godavery ...	4,91,176	87,000	4,04,176
Kistna ...	3,60,325	60,000	3,00,325
Nellore ...	2,56,313	.....	2,56,313
Cuddapah... ..	1,73,575	.....	1,73,575
Bellary ...	2,01,165	28,500	1,72,665
Kurnool ...	71,698	6,527	65,171
Madras ...	2,87,685	.....	2,87,685
North Arcot ...	2,56,587	.....	2,56,587
South Arcot... ..	1,57,292	.....	1,57,292
Tanjore ...	2,52,572	.....	2,52,572
Trichinopoly... ..	1,55,721	4,000	1,51,721
Madura ...	1,73,922	30,075	1,43,847
Tinnevelly ...	1,73,750	.....	1,73,750
Coimbatore ...	1,31,903	.....	1,31,903
Salem... ..	1,21,935	.....	1,21,935
North Canara ...	To be transferred to Bombay.		.....
South Canara ...	91,488	43,300	48,188
Malabar ...	1,30,096	.....	1,30,096
Presidency ...	2,51,430	53,355	1,98,075
Municipal Commissioners...	27,397	.....	27,397
Upper Godavery ...	4,00,000	.....	4,00,000
Mysore Chief Engineer ...	10,987	.....	10,987
Bangalore Executive Engineer ...	1,18,250	.....	1,18,250
Wellington... ..	26,756	.....	26,756
Total.....	45,15,500	3,42,757	41,72,743

(True Extract.)

Secretary to Government.

