

(1) Number of pages 36
(2) Date of repair 17-9-42
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 652	Press
93-94	Mis.
Dated 4-3-	1864.

Not to be folded or roughly handled

11

*Proceedings of the Madras Government, Public Works Department,
4th March 1864.*

No. 93. Read the following letter from Captain H. L. PRENDERGAST, R. E., Officiating Controller and Auditor of Public Works Accounts, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 25th February 1864, No. 2,593:—

SIR,

1. I have the honor to submit herewith the Statement of remunerative works for the year 1862-63. The great delay that has taken place in its submission is owing to the non-receipt of the local returns from the Superintending Engineers of the 4th and 6th Divisions, till the 28th ultimo, and the 11th instant respectively. No Statement has as yet been received from the Madras District, which when received will be separately submitted.

1 Statement.
2 Letters.

2. I also enclose certain correspondence from Lieutenant-Colonel Chambers, relative to the Statement from the Godavery District.

No. 94. ORDER THEREON, 4th March 1864, No. 652. .
Ordered that the following letter be sent:—
(Here enter No. 653, dated 4th March 1864.)
(True Extract.)

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

30
PUBLIC WORKS DEPARTMENT.

Public.

FORT SAINT GEORGE,

4th March 1864.

No. 95.

No. 653.

From

COLONEL C. A. ORR, R. E.,

Secretary to the Government of Fort Saint George, P.W.D.,

To

The Secretary to the Government of India, Public Works Department.

SIR,

I am directed by His Excellency the Governor in Council to forward the accompanying Statement of Remunerative Works in this Presidency for the year 1862-63.

I have the honor to be,

Sir,

Your most obedient servant,

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

Secretary to Government.

Exd. S. T. Augustin.

58
Superintending Engineer
No 530. Office, 1st Divⁿ, Wiltair.
23rd July 1863.

From
Captain W. S. Chambers R.E.
2/1 Superintending Engineer
Major J. F. Stoddard
Executive Engineer, Godp.
Dowlaisweram.

Sir,

In returning your Statement
of the Remunerative Works in the
Godavery District for the year
1862/63, I beg that you will submit
it to the Collector in order that he
may fill in the Column shewing
the amount of income due to the
Aicut Works for the current
year, which you put down at near-
ly 19 ³/₄ lacs of Rupees.

This entry of yours, being the differ-
-ence between the present revenue
of

of the District, less Income tax & the average of its collections for some few years before the commencement of the irrigation works, ignores the extra income acquired by the absorption of part of the old Bundar collectorate, that due to the continuance of peace and high prices, and that due to the increase of population and consequent augmentation of collections from the non-agricultural branches of the revenue.

The Statement as it stands is calculated to mislead - and if the million sterling which the Government shows the Aqueduct has realized after paying nearly 40 lacs of interest and maintenance charges has been obtained by the same process, as the present years gross income of $19\frac{3}{4}$ lacs has been calculated

calculated, you must excuse my challenging its correctness.

Have you
J. C. S. Chambers Esq. R.E.
Superintending Engineer

/True copy/

W. Chambers Esq. R.E.
Superintending Engineer 1st Div.

21/11

Executive Engineer's Office

Bowlairwarump.

13th November 1863.

No 213

From

Major J. Stoddard

Executive Engineer's Office

To Captain O. W. S. Chambers R.E.
Superintending Engineer

1 Division

Sir

With reference to your letter dated 23rd July last, No 530, I have the honor to resubmit thro' the Collector, the Statement of Remunerative Works for 1862/63 and have requested Mr. Morris to favor you with his own remarks thereon.

Enclosure
one statement.

2 In the Statement now forwarded I have included the income acquired by the absorption of part of the Old Bunder Collectorate since June 1269. which has diminished the current year's income to Rs 18,23,097, and the total income

Enclosure in a letter
No 1739 of 23rd July 1863.
from the Superintendent
Eng. 1st Div. to the Secy
to Govt. R. M. Mendenhall.

Dated 23rd July 1863,
No 530 -

Copy of a letter from
the Secy. to Govt. R. M.
to the Executive Eng.
concerning returning
Statement of the Re-
munerative Works
in the Bunder Collect.
for the year 1862/63,
with certain remarks.

income or rather balance of Income realized since the annicut works came into operation is now shown to be 97,88,636 Rupees instead of 103,88,636 as before.

3 As regards the principle on which these statements are drawn up, I would remark that it is the same as that adopted by Colonel Rundall in the first statements of the kind submitted for 1858/59 in which the total balance of Income was shewn to be Rs 45,56,095 in Rajahmundry District and Rs 77,979 in the Masulipatam District, making a total of 46 $\frac{2}{3}$ lacs.

At the same time Colonel Rundall submitted other statements prepared according to certain returns furnished to him by the Collectors, from which it appeared that instead of a balance of Income it was on the opposite side of charges showing a preponderance

over.

over Income up to that year (1858/59) of Rs 93,1821 in Rajahmundry and Rs 8225 in Masulipatam or a total loss of 9 $\frac{2}{5}$ lacs.

Colonel Rundall forwarded both statements to the Chief Engineer thro the respective Collectors for their remarks, with his letter No 113 dated 9 July 1859, in which he challenged the collectors figures, giving his reasons for so doing, and left the matter in dispute to the decision of Government - To that letter I would beg to refer you.

4 When wiser heads than mine are unable to decide the matter I had better remain silent - after all it is perhaps of little consequence to what cause or causes the improvement in the prosperity of the District and its revenue is directly due - so long as the fact that both have wonderfully improved within the last 12 years is indisputable. As Colonel Cotton said "if it were to be asked how much of this improvement has been owing to the

revenue

"revenue management, the answer is,
"the whole of it, for undoubtedly the
"finest system of irrigation possible would
"avail little if the District was misma-
"naged; but on the other hand the
"ablest Collector can do little without
"his District is supplied with water"
(See Colonel Cotton's Report on the
Irrigation of the Rajahmundry District
dated 12th August 1844) As a fitting
introduction to the following figured
statements taken from the Collectors
own Returns I would draw attention
to one more. Extract from a Report
of Mr. J. Prindergast, one of the ablest
Collectors I believe this District has
been under on the same subject, the
Revenue of the Rajahmundry District
prior to the construction of the annicut.

In his letter No 22 to the Board
of Revenue dated 26th February 1846 at
para 21, he says "Major Cotton estimates
"the probable diminution of the revenue,
"if the proposed annicut is not built,
"at Rs 90,000 per annum, being the
amount."

"amount of falling off, on a comparison
"of the present revenue with what
"it was 21 years ago, and if the
"causes to which I have endeavoured
"to trace this diminution, are as I
"believe them to be, correct, there seems
"no ground on which to build our hopes
"that under present circumstances
"the resources of the Province will improve.
"all the causes of the failure of these
"resources, with the exception of the
"nature of the season, are lasting, and
"even as regards the seasons, it would
"not be one or two favorable ones that
"would revive the means of the ryots.
"The old balances standing against
"many villages would fully absorb any
"amount of Extra profit with which
"one or two plentiful harvests might
"supply the cultivators, the collection
"would be swelled without benefit
"to the people, and the returning cycle
"of unpropitious seasons would find them
"still unable to meet the demands
against

"against them, and the resources of"
 "the Province would have received"
 "no permanent or lasting improvement."
 "The success which has attended"
 "the Engineering works for the improve-"
 "ment of the resources of the Wooddy"
 "Talig gives the greatest encouragement"
 "to hope for corresponding returns"
 "from an extension of a similar policy."

5 The Anicut was built and the Channels dug. Set the following figures tell the result.

1 Amount of Sand Revenue alone for 20 Years before Anicut was built or from 1827/28 to 1847/48 in quinquennial averages.

From 1827/28 to 1831/32. — Rs 17,50,820
 do. 1832/33 to 1836/37. — 17,28,800
 do. 1837/38 to 1841/42. — 15,07,670
 do. 1842/43 to 1846/47. — 16,85,370
 Average of 20 Years Rs 16,68,165

2 Amount of Sand Revenue alone for 12 Years since Anicut was built

154
or from 1847/48 to 1862/63 in averages of 4 Years.

From 1847/48 to 1850/51. — Rs 19,76,600
 do. 1851/52 to 1854/55. — 20,34,000
 do. 1855/56 to 1858/59. — 22,50,100
 do. 1859/60 to 1862/63. — 31,20,000
 Average of 12 Years Rs 23,45,250

I have the honor to be
Sir

Your most obedient servant

J. S. S. S. Major

Dowlaiswarany
 13th November 1868

Executive Engineer G. S. S.

To Captain C. W. S. Chambers R.E.
 Superintending Engineer
 Division

24-11-63

19th Nov 1883
 Henry Morris Esq.
 Ag. Collector.
 To Captain C. W. S. Chambers R.E.
 Superintg Engineer I. Divn.
 Sir,

In forwarding the accompanying letter to your address from Major Stoddard's date of the 13th Instant No 213 together with a statement of Remunerative works for the year 1862-63, I have the honor to observe that out of the sum of Rupees 39,460.97 being collections for 1862-63 after deducting Income Tax, Rupees 14,56,000 on account of the items noted in the margin should be deducted, and the remainder Rupees 25,400.88 will be the Land Revenue on Sirayat lands, including the water tax on the areas determined by the Survey.

Yours truly,
Sir,

Yours most obedt. servt.

H. Morris.

Edw P. Bernackendorn. Albany
W. J. Clark.

DE 4

The Executive Eng
to Frederick Smith
Charles Eugene
Devlin

Oct 13th November 1888
 Received

Ms. A. 9. 2. 13
Enclosure one

towards the revised
 Statement of Penmen-
 sature assets for 1862/63
 with the necessary
 explanation.

lay before Government the correspondence that has passed between Major. Stoddard and myself as well as the Agt. Collectors letter on the subject.

3. Hitherto at the Godavery they have been in the habit of calculating the returns from the works of Irrigation in this wise.

4. They take the whole of the Revenue of the District including that of the Zemindaries, both from the Land and from the extraneous Sources of Revenue, deducting income tax.

5. They then assume the normal revenue of the Collectorate before the Construction of the Anicut at 21,73,000 Rs. from all sources: this sum is then deducted from the former and the balance is considered to be the increase of Revenue

Revenue actually due to the Anicut. From this balance the yearly cost of maintenance and Repairs is deducted, and the difference is supposed to be the return derived from the investment of capital made since the commencement of the works.

7. This sum is supposed to amount for the past official year to about 14½ lacs, or about 40 per cent on an investment of some 36¼ lacs of Rupees.

8. It seems to me that the above cannot be a correct way of calculating the return derived from the works.

9. In the first place, the receipts from the Deltaic and non-deltaic taluqs are mixed up together, and tho' at the Godavery, it has been usual to take credit

for

for the increase of Revenue from all sources, it does not appear as if the charges on the country out of the Delta were included in the debits.

10. If credit be taken for the increase of the Revenue from all sources in the whole of the Collectorate, Major Stoddard should debit himself with the whole of the expenditure, not only on Communications, but on account of Revenue, Justice, and Police: it is to be supposed that these 3 Departments have had something to say to the creation of general prosperity in the Godavery District.

11. Again the addition made to the Revenue by increase of cultivation due to a rise of Prices, most marked at the Godavery, and which perhaps has its origin mainly in the demand for raw produce for

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for exportation, is completely ignored.

12. The increased consumption under the heads of Salt, Abkari, Sea-customs, due in part to an increase of population, is also not taken into account, yet by it the Revenue is certainly affected.

13. I am quite aware how much the District has benefitted by the great irrigation works and by the means of communication afforded by the Canals, but still, highly as I and everyone else acquainted with the Collectorate, think of the results attained, it appears to me manifestly erroneous to put down all progress, all amelioration of condition and all increase of Revenue to the Amicut works alone.

14. I hold that, if the great works

work: had not been established, the people would have been much poorer than they are now, and the Revenue would not have approached to its present figure, but still, there would have been ^{an} increase of material prosperity and of Revenue Receipts as has been the case in neighboring Districts.

15. I have not data enough to draw out a Statement from my point of view, and indeed, without further investigation, I should be unwilling to accept finally the figures in the accompanying Statement, which I am about to use; but still I will attempt to give Government some very rough kind of approximate idea of what ^{I think} the returns from the Goldavery may be.

16. Let A be the total outlay on

on construction = $3,667,742$ Rs. 2
 B = the total Government lands in
 Revenue for 1862/63, as stated,
 by the Collector = $2,540,088$ Rs. 3
 C = the total Hereditary land
 Revenue for 1862/63 = $7,69,902$ Rs. 2
 D the total of B and C = $3,309,990$ Rs. 1
 E the deduction due to the land
 Revenue of the taluqs taken from the
 the old Masulipatam Collector
 = etc. amounting to $150,000$ Rs. 1
 F the difference between D and E
 = $3,159,990$ Rs. 5
 G the average of 20 years land
 Revenue of the old Rajahmundry
 = dry Collectorate before the cow-
 = encumbrance of the Ancient
 works = $1,68,165$ Rs. 2
 Then H, difference between F and G
 is the whole of the increase of
 land Revenue due to all causes
 and equals $14,91,825$ Rs. 17

17. How much of this can be shown to be due to other causes than the Anicut. I am not prepared to say, but as the land revenue of the Madras Presidency has risen from 330 to 412 lacs, or twenty five per cent, in the last 20 years, I will assume that the 1668/65 Rs of annual revenue from land at the Godavery for 20 years before the commencement of the works would have advanced in the same ratio, and would now be nearly 21 lacs of Rupees.

18. About $10\frac{3}{4}$ lacs of Rupees would then be the returns from the irrigation works alone at the Godavery, and, taking 75000 Rs as the returns from the old Masulipatam Collectorate, $11\frac{1}{2}$ lacs of Rupees would be the total Returns under the Anicut.

19. From this are to be deducted,
first

* it is presumed that the expenses of Establishment, regular & irregular, & deducted in this sum.

Note.
Salaries pay & allowances, 62000 Rs in Budget of Godavery District.

first the annual charges for maintenance and repairs, amounting in the past year to 223430 Rs, and secondly that much of the annual pay of the D. P. W. at the Godavery that can fairly be charged to repairs and maintenance of the works in the Delta which may be assumed at about 40000 Rs: total 263430 Rs.

20. This amount deducted from $11\frac{1}{2}$ lacs as above = 86530 Rs the actual profits on the investment.

21. The outlay on construction, A, is 3667742 Rs, but to this should be added the salaries of the Officers and of their Establishments who have been employed on construction for 15 years: I am inclined to put this down at $\frac{1}{2}$ lac of Rupees annually as an approximate average charge, or $\frac{1}{2}$ lacs, which

* This will be about 20 per cent on the outlay.

will

will raise the capital to 44,17,742 Rs.

22. The sum of 88,6530 Rs. annual profit, is about 20 per cent on this capital.

23. The above, tho' obtained in the roughest possible manner, will be found nearer the mark, than the 10 per cent mentioned in para 7.

I have the honor to be
Sir,

Sup^r Engr^{'s} Office,
1st Dⁿ, Rattair,
25th Nov^r 1863.

Your Most Obedt^t S^t

Rob. Chambers Capt^t R.E.
Superintending Engineer 7th Dⁿ

Rs

Statement of Remunerative Works in the Godavery District for the Year 1862/63.

Name of Work.	Capital				Revenue.								
	Outlay on Construction (Dead Stock Valuation)			Total	Charges.			Income.					
	Description	Amount upto the end of the past year	Amount for the current year		Description	Amount upto the end of the past year	Amount for the current year	Total	Description	Amount upto the end of the past year	Amount for the current year	Total	
Godavery Annicut and its Subsidiary Works.	Outlay on Original Work and reconstruction	34,93,659	174,083	36,67,742	Interest on the Capital	34,93,659				Gross proceeds from all Sources.	122,55,369		
	Deduct deterioration by wear & tear at 1 1/2 per cent.				at 4 per cent.	12,06,533	13,97,416	13,16,279		Deduct amount added on account of late Ma. Subsidy at 8% for last 3 Years viz. 1859-60, 1860-61 & 1861-62 at 12 lacs p year.	4,50,000		
					Maintenance and Repairs.	22,70,121	2,23,130	24,93,531					
					Total	34,76,654	36,31,76	38,39,830		Total.	118,05,369	18,23,097	13,62,846
	Balance of Capital.	32,38,357	13,97,417	33,77,501	Balance of Charge.					Balance of Income.	83,28,715	14,59,921	97,88,636

Total Collections as per Statement of the Collector forwarded with Annual Report for 1862/63.
 deducting Income tax. Rs. 39,96,097
 Average revenue & Collections for 5 Years before Commencement of the annicut. 21,73,000
 Net increase. 18,23,097

Executive Engineer's Office
 Secunderabad 13th November
 1863

Major
 Executive Engineer Godavery &c.

Transferred to the
 Controller and Auditor
 of S.M. Accounts

1862-63
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1862-63
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 1863
 15-7-63

Office of the Controller and Auditor of P. W. Accounts
Madras 25th February 1864

N^o 2593.

From, Captain H. L. Prendergast R. E.
Off^{ce} Controller and Auditor of P. W. Accounts.

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

Sir,

I have the honor to submit herewith the Statement of Remunerative works for the year 1862/63. The great delay that has taken place in its submission, is owing to the non receipt of the local Returns from the Superintending Engineers of the 4th and 6th Divisions, till the 28th ultimo, and the 11th instant, respectively. No Statement has, as yet, been received from the Madras District, which, when received, will be separately submitted.

2. I also enclose certain correspondence from Lieutenant Colonel Chambers, relative to the Statement from the Godavery District.

I have the honor to be

Sir,

Your Most Obedient Servant.

Wm Prendergast. Captain R. E.

Off^{ce} Controller & Aud^r of P. W. Accounts.

Enclosure 3.
10. 11. 12.
2. 11. 12.

1861
 No. of Quills or Cards
 1864

219652

Ordered that the following

Letter see Ser. 1.

210653

Secretary to the
Government of India.
P. M. S.

11

Colonel G. A. Orr A. G.
Secretary to Govt. P. H. D.

Data 25 }
 Feb 26 } February 1864.

2593



Excellency the Governor in Council to

Staircase statement of
Commutative Works for the
year 1862/63.



forward the accompanying state-
ment of Disbursements made in
the Presidency for the year 1842/3.

801
652 v 653-4 ~~44~~ March

48X

Asst. P. S. March 11th 1897
Stitt, Edmund -

With an Oyster.

Chapman &
H. D. Macmillan/1645