M.R.O. 1—77,006—8-6-37.

(1) Number of pages 1

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2823 Press / Mis.

127-128.

Dated 7 - 11 - 1871.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 7th November 1871.

No. 127. Read the following Endorsement of the Officiating Chief Engineer for Irrigation, dated Fort St. George, 23rd August 1871, No. 67 :—

From the Agent and Manager of the Madras Irrigation and Canal Company, to the Chief Engineer for Irrigation, dated Madras, 28th July 1871, No. 332.

With reference to your letters, Nos. 86 and 96 of 17th and 24th instant, I have the honour to hand you a statement of the expenditure on revenue account incurred and estimated to 31st December 1871, in comparison with the earnings of the canal realized and estimated to the same date.

2. The 1st item on the revenue side shows the *actual earnings* of the canal to the 30th June 1871, as shown by the Collector's Return E., because we have nothing to do with the collection, and whether collected or still due the amount is substantive revenue.

3. The 2nd and 3rd items hardly require any remark. The figures are derived from official returns and approximate very closely to your figures.

4. Item 4 is *much below* your estimate of area for second crop. I have taken for the *acreage* of second crop the same proportion which is shown between the acreage of second crop and that of first crop in the statement for season 1870-71. You have taken the proportion which the *revenue* for the one bears to that of the other in that return, but the remissions in the two cases having been very unequal this is no criterion.

5. For Item 5 I have taken the same proportion which is shown for "occasional" in the return for season 1870-71.

6. Item 6, "Kurnool water-supply," includes Rupees 1,000 due for half-year ending 30th June, and 2,000 Rupees accruing to 31st December 1871.

7. Item 7 is the amount realized in season 1870-71, and is probably under-estimated.

8. Item 8 is the proceeds of grazing, fishing, rent, telegrams, etc., and I believe is under-estimated.

9. I do not know that the expenditure side of the return calls for any remark or explanation.

10. The return exhibits a balance in favour of revenue of Rupees 38,671.

Statement of Revenue Expenditure to 31st December 1871, in comparison with Revenue Earnings to same date.

		Rs.		Rs.
1	Net proceeds of irrigation from commencement to 30th June 1871, as per Collector's Returns E. ...	55,183		
2	Estimated irrigation for season 1871-72 as far as 146th mile, as per Deputy Collector's Return annexed, 8,165 acres, proceeds thereof	48,990		
3	Actual demand from 147th mile to terminus, 760 acres, proceeds	4,560		
4	Second crop, say, 1,270 acres, proceeds	7,620		
5	Occasional flooding, proceeds	1,420		
6	Kurnool water-rate, do.	3,000		
7	Lands cultivated	1,200		
8	Sundry proceeds	500		
		1,22,473		
	Excess expenditure on Revenue Account	*Nil.*		
		1,22,473		
	Balance in favour of Revenue, 1st January 1872 ...	38,671		

		Rs.	Rs.
9	Actual expenditure to 31st May 1871	41,806	
10	Estimated expenditure for June	1,750	
	Estimated Expenditure, 1st July to 31st December 1871.		
11	Conservancy Establishment...	36,396	
12	Contingencies	600	
13	Chief Engineer's estimate for maintenance ...	2,000	
14	Work now chargeable to Revenue, but not yet brought into the account...	1,250	83,802
	Balance in favour of Revenue, 31st December 1871	...	38,671
			1,22,473

C. A. BADHAM,
Chief Accountant.

(Signed) F. H. HENSLOWE,
Agent and Manager.

MADRAS,
28th July 1871.

Proceedings of the Madras Government, Public Works Department,
7th November 1871.

SUBMITTED to Government, with reference to their Order No. 112, dated 13th July 1871.

With the letter quoted above the Agent forwards a statement showing the total receipts and expenditure on revenue account up to the 30th June 1871, and the estimated receipts and expenditure from that date to the 31st December 1871.

2. The statement cannot, I think, in its present form, be taken to afford a fair view of what is likely to be the financial position of the Company in respect of their revenue account at the end of this year, for the items numbered 1 to 14 in the statement in several cases require modification as shown in the remarks below.

ITEM 1. *Net proceeds of Irrigation from commencement to 30th June* 1871.—This includes the net demand for 1870-71, some of which has not yet been collected, but the entry may be accepted.

ITEM 2. *Estimated Irrigation for* 1871-72, *Kurnool District.*—The area given to me by the Deputy Collector was acres 7,883, and the full assessment thereon is Rupees 47,298; but I have shown in my report to Government of the 11th August 1871, No. 63, that the actual collections realized during past years have only been 75 per cent. of the full assessment. The canal is in little better condition now than heretofore, and it would not be advisable to count on a more favourable collection. This item will therefore be reduced to Rupees 35,473.

ITEM 3. *Actual estimated demand from 147th mile to Terminus.*—This means, it is presumed, the probable irrigation in the Cuddapah District, which is estimated in my report at acres 1,000, giving Rupees 6,000 as assessment. The probable collection at 75 per cent. will amount to Rupees 4,500.

ITEM 4. *Second crop cultivation.*—The area given may be accepted, but only 75 per cent. of the assessment can be taken as before into the account, reducing the entry to Rupees 5,715.

ITEM 5. *Occasional flooding.*—This sum representing the proceeds, which it is assumed will be derived for water supplied to aid dry crops, may be accepted.

ITEM 6. *Kurnool water-rate.*—The Agent is wrong in including, as he states, in his letter a sum of Rupees 1,000, "balance due for the supply to Kurnool during the half-year ending 30th June." The whole net demand for that half-year is already included in Item 1. The entry should be reduced to Rupees 2,000.

ITEM 7. *Lands cultivated.*—This includes garden land and can be adopted.

ITEM 8. *Sundry proceeds.*—Such as rent for houses, grazing, etc.; something has hitherto been realized annually under these and similar heads. The amount estimated appears fair.

ITEM 9. *Actual expenditure to 31st May* 1871.—There exists in this office no means of checking this entry, as the expenditure from January to 31st May of this year has not yet been reported in detail. That up to the 31st December 1870 was Rupees 34,792-5-10, and therefore it would appear that the addition during the five months in question was Rupees 7,013-10-2.

ITEM 10. *Estimated expenditure in June.*—The observations made above apply to this entry.

ITEM 11. *Conservancy Establishment, 1st July to 31st December.*

ITEM 12. *Contingencies.*—These amounts are correct.

ITEM 13. *Chief Engineer's estimate for maintenance.*—It seems to me that the amount entered is utterly inadequate. It is true that as the canal will or should be partly filled with water during this half of the year, operations connected with maintenance would be to a certain extent impeded, in other respects it would be difficult, with due regard to the probabilities of the case, to assign any moderate limit to the requirement of the works in general. If the earthworks are to be retained at their proper section and dimensions by additions chargeable to maintenance, I believe at least 150 Rupees a mile would be required for expenditure before the end of the year, and a further amount during the dry season when the canal will be empty.

ITEM 14. *Work chargeable to Revenue, but not yet brought into account.*—This includes certain estimates for repairs, but to it must be added a sum of Rupees 2,812 for the maintenance of the telegraph line, sanctioned in G. O., No. 1,987, 28th July 1871.

3. The corrections shown above to be necessary in the entries made by the Agent are embodied in the account shown below:—

Statement of Revenue Expenditure to 31st December 1871, *in comparison with Revenue Earnings to same date.*

		RS.			RS.
1	Net proceeds of Irrigation from commencement to 30th June 1871, as per Collector's Returns E.	55,183	9	Actual expenditure to 31st May 1871	41,806
2	Estimated Irrigation for season 1871-72 for 7,883 acres, proceeds thereof	35,473	10	Estimated expenditure for June 1871	1,750
3	Actual demand from 147th mile to Terminus for 1,000 acres, proceeds	4,500	11	Conservancy Establishment...	36,396
4	Second crop for 1,270 acres, proceeds	5,715	12	Contingencies	600
5	Occasional flooding	1,420	13	Maintenance, 189 miles at 150 Rupees a mile ...	28,350
6	Kurnool water-rate	2,000	14	Work chargeable to Revenue, but not yet brought into account	4,062
7	Lands cultivated	1,200			
8	Sundry proceeds	500			
	Balance against Revenue ...	6,973			
	Total...	1,12,964		Total...	1,12,964

The result shows a balance against Revenue of Rupees 6,973.

4. It is perhaps premature to forecast what will be the financial position of the Company at the end of the next following half-year to that included in the above account, but it may be remarked that all the entries in the account except town water-supply for the half-year itself would be on the debit side since the

Proceedings of the Madras Government, Public Works Department, 7th November 1871.

expenditure on maintenance and conservancy would continue while the revenue from the irrigation would be *nil*.

(Signed) A. deC. SCOTT, Captain, R.E.,
Offg. Chief Engineer for Irrigation.

No. 128. ORDER THEREON, 7th November 1871, No. 2,823.

IRRIGATION, No. 8.

ORDERED to be recorded.

(True Extract.)
(Signed) J. CARPENDALE, Colonel, R.E.,
Secretary to Government.

Statement of Revenue & Expenditure to 31st December 1871 in comparison with Revenue Earnings to same date.

1	Net Proceeds of Irrigation from commencement to 30th June 1871 as per Collectors Returns E.		55183		
2	Estimated Irrigation for Season 1871-72 as for as 14th Mile as per Deputy Collectors Return annexed 8165 Acres proceeds thereof		48990		
3	Actual Demand from 14th Mile to Ferry minus 760 acres proceeds		4560		
4	Second Crop say 1270 acres proceeds		7620		
5	Occasional Flooding		1420		
6	Annual Water Rate		3000		
7	Lands cultivated		1200		
8	Sundry proceeds		500		
				122473	
	Excess Expenditure on Revenue account		Nil		
				122473	
	Balance in favour of Revenue 1st January 1872	Rs	38671		

9	Actual Expenditure to 31st May 1871		41806		
10	Estimated Expenditure for January		1750		
	Estimated Expenditure 1st July to 31st December 1871.				
11	Conservancy Establishment		3696		
12	Contingencies		600		
13	Chief Engineer Estimate for Maintenance		2000		
14	Work now chargeable to Revenue but not yet brought into the account		1250		
				83802	
	Balance in favour of Revenue 31st December 1871		38671		
				122473	

Madras
28th July 1871

C. Kadhen
Chief Accountant

W. Rastrick Kellow
Agent and Manager

No

Madras Irrigation &c

No 332.

Madras 28th July 1871

From

The Agent and Chief Engineer

To

Major J.G. Ryves R.E.

Chief Engineer for Irrigation

and Secretary to Government

Madras

Sir

With reference to your letters No 86 and 96 of 17 and 22 instant I have the honor to hand you a statement of the Imperial Line on Revenue Account in the Godavery District for December 1870 to November 1871 in comparison with the Earnings of the Canal realized and estimated to the same date.

The first item in the Revenue side shows the actual earnings of the Canal to the 30th June 1871 as shown by the Collector's Return E because we have nothing to do with the collection and whether collected or still due the Amount is substantive Revenue.

The 2nd and 3rd items hardly require any remark. The figures are derived from

from Official Returns and Approxi-
mate Very closely to your figures. 2115/-

Item 4 is much below your Esti-
mate of area for second crop. I have taken
for the Acreage of second Crop the same
proportion which is shewn between the
Acreage of second crop and that of first
crop in the Statement for season 1870/71
You have taken the proportion which
the Revenue for the one bears to that of
the other in that Return but the remis-
sions in the two cases having been very
unequal this is no criterion.

In Item 5 I have taken the same
proportion which is shewn for occa-
sional in the Return for Kharif 1870/71.

Item 6 Sumner satisfactorily in-
cludes Rupees 1000 due for half year
ending 30th June and 2000 Rupees ac-
cruing to 31st Decr 1871.

Item 7 is the Amount realized
in season 1870/71 and is probably under
estimated.

Item 8 is the proceeds of Grazing
fishing Rent Telegraph &c and therein
is under estimated.

I do not think that the opposite
blue side of the Return calls for any
remark

remarks or explanations.

The Return by libiti a balance in
favour of Revenue of Rupees 38671.

I have the honor to be
Sir
Your most obed. servant
Lieut. & Asst Com.r
Ghurkha Brigade
Chief Accountant

No. 67

From Agent and Manager Madras Irrigation and Canal Company No. 332 dated 28th July 1871.

Submitted to Government with reference to their order No. 112 dated 13th July 1871.

With the letter quoted above the Agent forwards a statement shewing the total Receipts and Expenditure on Revenue account up to the 30th June 1871 and the estimated receipts and expenditure from that date to the 31st December 1871.

The statement cannot, I think, in its present form be taken to afford a fair view of what is likely to be the financial position of the Company in respect of their revenue account at the end of this year for the items numbered 1 to 14 in the statement in several cases require modification as shewn in the remarks below.

Items 1. Net proceeds of Irrigation from commencement to 30th June 1871. This includes the net demand for 1870-71 some of which has not yet been collected but

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To The Chief Engineer for Irrigation &c &c &c

Recd. 28th July 1871

Received

Enclosure &c

P. D. No 3911 dated 28th July 1871 from Superintending Engineer Kistna Division Reporting the Receipts & Disbursements for the month of June 1871. Revenue Forms for the year 1871. Remarks of each Division.

but the entry may lie accepted.

Item 2. Estimated irrigation for 1871-72 Kurnool District. The area given to me by the Deputy Collector was acres 7883 and the full assessment thereon is Rs 10298: but I have shown in my report to Government of the 11th August 1871. (No 63) that the actual collections realized during past years have only been 75 per cent of the full assessment. The Canal is in little better condition now than heretofore and it would not be advised to count on a more favorable collection. The item will therefore be reduced to Rs 7723.

Item 3. Actual estimated demand above 1 Gor mile to terminus. This means it is presumed the probable irrigation in the Cuddapah district which is estimated in my report at acres 1000 giving Rs 6000 as assessment. The probable collection at 75 per cent full amount is Rs 4500.

Item 4. 2nd Crop cultivation. The area given may be accepted but only 75 per cent of the assessment can be taken as before into the account reducing the entry to Rs 5715.

Item 5. Occasional flooding. This seems the principal source of profit which it is assumed will be derived for water supplied to aid dry crops may be accepted.

Item

Item 6. Kurnool water rate. The Agent is wrong in including as he states in his letter a sum of Rs 1012 "balance due for the supply to Kurnool during the half year ending 30th June." The whole net demand for that half year is already included in item 1. The entry should be reduced to Rs 2011

Item 7. Lands cultivated. This includes garden land and can be adopted.

Item 8. Sundry proceeds. Such as rent for houses, grazing &c; something has hitherto been realized annually under these and similar heads. The amount estimated appears fair.

Item 9. Actual expenditure to 31st May 1871. There exists in this office no means of checking this entry as the expenditure from January to 31st May of this year has not yet been reported in detail. That up to the 31st December 1870, was Rs 24792 - 5 - 10 and therefore it would appear that the addition during the 5 months in question was Rs 7073 10 2

Item 10. Estimated expenditure in June. The observations made above apply to this entry.

Item

Item 11- Rudrawary establishment 1st July to 31st Dec

Item 12- Contingencies. These ammounts are correct

Item 13 Chief Engineer's estimate for maintenance

It seems to me that the ammnt entered is utterly inadequate. It is true that as the Canal will not be fully filled with water during the half of the year operations connected with maintenance would be to a certain extent impeded, in other respects it would be difficult with due regard to the probabilities of the case to assign any moderate limit to the requirement of the works in general. If the earthworks are to be retained at their proper sections and dimensions by additions chargeable to maintenance I believe at least 150 Rupees a mile would be required for expenditure before the end of the year and a further ammnt during the dry season when the Canal will be empty

Item 14 Work chargeable to Revenue but not yet brought into account. This includes certain estimate for repairs but to it must be added a sum of Rs 2812 for the maintenance of the Telegraph line sanctioned in Oct 1867 to 28 July 1871.

3 The corrections shown above to be necessary in the entries made by the Agent are embodied in the account shown below

Statement of Revenue Expenditure to 31st December 1871 in comparison with Revenue earnings to same date

1	Net proceeds of Irrigation from Commencement to 30th June 1871 as per Collectors Return E	5583..	9	Actual Expenditure to 31st May 1871	1486..
2	Estimated Irrigation for season 1871-72 for 7583 Acres proceeds thereof	35173..	10	Estimated Expenditure for June 1871	1750..
3	Actual Demand from 117 mile to Terminus for 1071 Acres proceed	4500..	11	Conservancy Establishment	36396..
4	Second Crop for 1270 Acres proceeds	5715..	12	Contingencies	600..
5	Occasional flooding	1420..	13	Maintenance 289 miles at Rs 150 a mile	28350..
6	Annual water Rate	2000..	14	Work chargeable to Revenue but not yet brought into account	4062..
7	Lands cultivated	1200..			
8	Sundry proceeds	500..			
	Balance against Revenue	6973..			
	Total Rs	112964..		Total Rs	112964..

The result shows a balance against Revenue of Rs 6973.

It is perhaps premature to forecast what will be the financial position of the Company at the end of the next following half year to that included

included in the above account. but it may be
remarked that all the entries in the Account
of Captain Fair for Water Supply for the half year ending
would be on the debit side since the expenditure on
maintenance and conservancy would continue while
the returns from the irrigation would be nil.

Offg Asst Engr

For Lt Genl

Captain RE

23 August 1871

Offg Chief Engineer for Irrigation

Joint Secretary to Government

PW dept

The Secretary to
Government of N.W.P.

Ro 13 July/71 R0 112 Guv
28 " " 494-495
Ct 03852/71

P. W. 1871 Dept

Simn No 4039:

The Offg Chief Engr
for Sup.t & Joint Secy
to Govt PWD

To

The Secretary to
Government PWD.

Estimate &c
dated 23
Recd 28 } August 71
Recd 29

No 67

Acknowg 29

No 2823: 7th Novr 71

Submits with reference to
G.O. No 112 of the 13th July 1871
a statement showing the total
receipts and expenditure on
Revenue account up to 30th
June 1871 & estimates Receipts
& expenditure from 1st July
to 31st December 71 with the Order

Ordered to be recorded.

28/23.3

G. Nov 11th

6 Acty 30 Augt/71 Ac 02 7 Octr

C. No. 4039

Govt. of Madras.
Consultation Number
PUBLIC WORKS.

To

Dated.

Recd. Encl.

G. O. 7 Novr 1871, No. 2823.

Nos. 127 & 128

Accounts rendered &c
Comparing Receipts
& Chief Engrs Memorandum submitting a
statement showing the total
receipts and expenditure
on Revenue Accounts
up to 30 June 1871 & estimate
receipts & expenditure