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# MADRAS RECORD OFFICE

## Government of Madras

*Public Works*

DEPARTMENT

|                     |               |                 |
|---------------------|---------------|-----------------|
| G.O. No.            | <i>3210</i>   | Press           |
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| Dated               | <i>10. 11</i> | 195             |
|                     |               | <i>1875</i>     |

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,  
10th November 1875.*

No 237      Read the following letter from Lieutenant-Colonel J MULLINS, R E,  
Chief-Engineer for Irrigation, to Major-General G W WALKER, R E,  
Secretary to Government, Public Works Department, dated Fort St George,  
6th November 1875, No 43 —

I HAVE the honor to submit the following report on the expenditure incurred on  
the works of the Madras Irrigation and Canal Company during the quarter ended  
30th June 1875

*Expenditure during the Quarter* — The total expenditure for the period under review  
amounted to Rupees 4,033, as compared with Rupees 4,326 in the previous quarter.

2      The following is a statement, in tabular form, of the items on which the  
above outlay was made —

| Number of Section or Name of Work           |    |     |    | Amount |    |    | Nature of Expenditure                |
|---------------------------------------------|----|-----|----|--------|----|----|--------------------------------------|
| Main Supply                                 |    |     |    | RS     | A  | P  |                                      |
| 3rd Section                                 | .. | ... |    | 1,167  | 9  | 6  | Ulloor Bridge                        |
| 6th do                                      | .. | ... |    | 714    | 15 | 2  | Bridge over Cumbalpullu Sluice *     |
| 7th do                                      | .. | ... | .. | 74     | 14 | 4  | Special Superintendence and Sundries |
| 9th do                                      | .. | ..  | .. | 1,914  | 11 | 11 | Beempaud Bridge                      |
| Amount and Head-works at Somaiswaram        |    |     |    | 43     | 1  | 2  | Special Superintendence and Sundries |
| Buildings                                   |    |     |    |        |    |    |                                      |
| Office, Store, and Workshop at Kurnool      |    |     |    | 109    | 7  | 1  |                                      |
| Overseers' houses at Beempaud and Ayaloor . |    |     |    | 7      | 15 | 6  |                                      |
| Total                                       |    |     |    | 4,032  | 10 | 8  |                                      |

3 Abstract of Expenditure

3      *Abstract of Expenditure* — The following statement shows the expenditure on  
all works from the commencement to the close of the quarter compared with sanctioned  
estimates —



Proceedings of the Madras Government, Public Works Department,  
10th November 1875

4. *Quarter's Expenditure*—It will be remarked that the expenditure of the quarter is shown to have been Rupees 4,033, and the net total outlay, up to 30th June 1875, Rupees 1,11,92,377

5. *Excess Expenditure*—The subjoined statement shows the expenditure in excess of sanction at the end of the quarter to have been Rupees 7,604-11-6 —

| Works                                                         | Excess Ex-<br>penditure on<br>31st March<br>1875 | Excess Ex-<br>penditure during the<br>Quarter,<br>30th June<br>1875 | Total      | Add trans-<br>ferred to this<br>from other<br>Works | Deduct<br>Refund | Excess Net<br>Expendi-<br>ture on 30th<br>June 1875 |
|---------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------|------------|-----------------------------------------------------|------------------|-----------------------------------------------------|
| <i>Main Supply</i>                                            | RS A P                                           | RS A P                                                              | RS A P     | RS A P                                              | RS A P           | RS A P                                              |
| Aqueduct across the river Hindry                              | 424 5 0                                          | ...                                                                 | 424 5 0    |                                                     | ..               | 424 5 0                                             |
| Main Canal, 1st Section ..                                    | 1,696 6 6                                        | ...                                                                 | 1,696 6 6  |                                                     |                  | 1,696 6 6                                           |
| Do, 2nd do ..                                                 | 2,686 8 11                                       | ...                                                                 | 2,686 8 11 |                                                     |                  | 2,686 8 11                                          |
| Do, 5th do ..                                                 | 1,346 6 2                                        | ...                                                                 | 1,346 6 2  |                                                     |                  | 1,346 6 2                                           |
| Do, 8th do ..                                                 | 1,827 6 7                                        | ...                                                                 | 1,827 6 7  | 92 5 2                                              | ..               | 1,419 11 9                                          |
| Total ..                                                      | 7,481 1 2                                        | ..                                                                  | 7,481 1 2  | 92 5 2                                              |                  | 7,573 6 4                                           |
| <i>Distribution</i>                                           |                                                  |                                                                     |            |                                                     |                  |                                                     |
| Distribution works at Sooukasala                              | 0 7 4                                            |                                                                     | 0 7 4      |                                                     |                  | 0 7 4                                               |
| <i>Buildings</i>                                              |                                                  |                                                                     |            |                                                     |                  |                                                     |
| Office, Store house, and Workshop<br>at Sooukasala ..         | 8 10 8                                           |                                                                     | 8 10 8     | ..                                                  |                  | 8 10 8                                              |
| Powder Magazine, Store and Sta-<br>tion roads at Bowanassy .. | 5 15 0                                           |                                                                     | 5 15 0     |                                                     |                  | 5 15 0                                              |
| Office and Store Buildings at Vala-<br>panore ..              | 2 4 5                                            |                                                                     | 2 4 5      |                                                     |                  | 2 4 5                                               |
| Repairs to Valapanore Bungalow                                | 1 0 6                                            | ..                                                                  | 1 0 6      | ..                                                  |                  | 1 0 6                                               |
| Office and Store at Jupaud                                    | 5 10 4                                           |                                                                     | 5 10 4     |                                                     |                  | 5 10 4                                              |
| Do do at Chintagoontah                                        | 7 4 11                                           |                                                                     | 7 4 11     | ..                                                  |                  | 7 4 11                                              |
| Total                                                         | 30 13 10                                         |                                                                     | 30 13 10   |                                                     |                  | 30 13 10                                            |
| Grand Total...                                                | 7,512 6 4                                        |                                                                     | 7,512 6 4  | 92 5 2                                              | ..               | 7,604 11 6                                          |

The excess expenditure of Rupees 7,604 is owing to certain adjustments sanc-  
tioned by Government in their Proceedings, No 2,927, dated 14th October 1874.

6. *Cost of Establishments*—The cost of executive permanent Establishments  
amounts for this quarter to 22 3 per cent on the expenditure for construction, that of  
temporary establishments to 31 per cent, and that of general management to  
Rupees 11 93 per cent

7. *Total Cost of Establishments*—The total cost of the permanent establishments  
was, therefore, 34 23, and of temporary establishments 31 per cent on the expenditure

No 238 ORDER THEREON, 10th November 1875, No 3,210

IRRIGATION, No 14

ORDERED that this Irrigation Report  
be forwarded to the Home Government

(True Extract)

(Signed) G W WALKER, Major-General, R E,  
Secretary to Government

To the Chief Engineer for Irrigation

„ Examiner of Railway and Irrigation Accounts

„ Chief Engineer and Manager, Madras Irrigation and Canal Company

Exd E C Shunker

Spare Copies

N<sup>o</sup> 43

To  
The Secretary to Government  
Public Works Department

Sir, I have the honor to submit the fol-  
lowing report on the expenditure incurred,  
on the works of the Madras Irrigation and  
Canal Company during the quarter ended  
30<sup>th</sup> June 1875.

Expenditure during the quarter.—The  
total expenditure for the period under review  
amounted to Rupees 4,033, as compared with  
Rupees 4,396 in the previous quarter.

2 The following is a statement, in tabu-  
lar form, of the items on which the above outlay was  
made:—

| N <sup>o</sup> of Section or name of<br>Work    | Amount     | Nature of Expenditure              |
|-------------------------------------------------|------------|------------------------------------|
| <i>Main Supply.</i>                             |            |                                    |
| 3 <sup>rd</sup> Section ..                      | 1167 9 6   | Ulloor Bridge.                     |
| 6 <sup>th</sup> do ..                           | 714 15 2   | Bridge over Cumbalputty River.     |
| 7 <sup>th</sup> do ..                           | 74 14 4    | Special superintendence & sundries |
| 9 <sup>th</sup> do ..                           | 1914 11 11 | Kumpanad Bridge                    |
| Ancient Headworks at Sooukasala                 | 43 1 2     | Special superintendence & sundries |
| <i>Buildings</i>                                |            |                                    |
| Office, Store & Workshop at<br>Sooukasala ..    | 109 7 1    |                                    |
| Overseer's houses at Kumpanad<br>and Ayaloor .. | 7 15 6     |                                    |
| Total Rupees                                    | 4032 11 5  |                                    |

3. Abstract of expenditure. The following statement shows the expenditure in all works from the commencement to the close of the quarter compared with sanctioned estimates.

| Works                                                              | Amount of Estimate | Expenditure up to 31 <sup>st</sup> March 1875 | Cut during the year ended 30 <sup>th</sup> June 1875 | Total Expenditure | Amount transferred to this from other works & otherwise | Deducted up from this | Total Net      | Amount       |                   |
|--------------------------------------------------------------------|--------------------|-----------------------------------------------|------------------------------------------------------|-------------------|---------------------------------------------------------|-----------------------|----------------|--------------|-------------------|
|                                                                    |                    |                                               |                                                      |                   |                                                         |                       |                | Amendable    | Balance Estimated |
| • Main supply.                                                     |                    |                                               |                                                      |                   |                                                         |                       |                |              |                   |
| • Arundel and Head Works at Hurwood                                | 203,280            | 60,731 13                                     | -                                                    | 60,731 13         | -                                                       | -                     | 60,731 13      | 2,423 149    | -                 |
| • do do at Southwold                                               | 489,322 4          | 4,774,002 12                                  | -                                                    | 4,774,002 12      | -                                                       | -                     | 4,774,002 12   | 11,719 4     | -                 |
| • do do at Smaisonwaram                                            | 1,71,127 17        | 68,030 4 2                                    | 43 12                                                | 68,113 5 4        | -                                                       | -                     | 68,091 12 9    | 1,265 4 10   | -                 |
| • do do at Adampully                                               | 4,55,233 11        | 4,35,123 10 5                                 | -                                                    | 4,35,123 10 5     | -                                                       | -                     | 4,35,123 10 5  | 3,110 7 3    | -                 |
| • Aqueduct across the river, Kunday                                | 2,89,118           | 2,89,542 5                                    | -                                                    | 2,89,542 5        | -                                                       | -                     | 2,89,542 5     | -            | 424 5             |
| • Canal for one mile from the head stream of the Kurnal River      | 65,000             | 49,615 9                                      | -                                                    | 49,615 9          | -                                                       | -                     | 49,615 9       | 15,384 15 3  | -                 |
| • Main Canal for Section 17 1/4 miles                              | 11,44,662 6 10     | 11,19,358 13 5                                | -                                                    | 11,19,358 13 5    | -                                                       | -                     | 11,19,358 13 5 | -            | 1696 6 6          |
| • do 2 <sup>nd</sup> do 18 <sup>th</sup> to 32 <sup>nd</sup> mile  | 29,24,209 3 3      | 29,23,915 12 2                                | -                                                    | 29,23,915 12 2    | -                                                       | -                     | 29,23,915 12 2 | -            | 2,680 8 11        |
| • do 3 <sup>rd</sup> do 33 <sup>rd</sup> to 43 <sup>rd</sup> do    | 9,63,811           | 9,32,740 2 6                                  | 11 67 9 6                                            | 9,32,861 12       | -                                                       | -                     | 9,32,861 12    | 57,962 4 10  | -                 |
| • do 4 <sup>th</sup> do 44 <sup>th</sup> to 60 <sup>th</sup> do    | 19,76,312 8 9      | 19,04,877 4 7                                 | -                                                    | 19,04,877 4 7     | -                                                       | -                     | 19,04,877 4 7  | 74,415 4 2   | -                 |
| • do 5 <sup>th</sup> do 61 <sup>st</sup> to 72 <sup>nd</sup> do    | 8,88,993 10 11     | 8,70,320 1                                    | -                                                    | 8,70,320 1        | -                                                       | -                     | 8,70,320 1     | -            | 184 6             |
| • do 6 <sup>th</sup> do 73 <sup>rd</sup> to 92 <sup>nd</sup> do    | 94,79,914 4 8      | 8,75,874 5 8                                  | 74 15 2                                              | 8,79,109 4 10     | -                                                       | -                     | 8,79,109 4 10  | 6,000 10     | -                 |
| • do 7 <sup>th</sup> do 93 <sup>rd</sup> to 113 <sup>th</sup> do   | 7,66,995 12 2      | 6,94,522 7 5                                  | 74 14 4                                              | 6,96,697 5 9      | -                                                       | 93 11 5               | 6,96,697 5 9   | 7,000 5 2    | -                 |
| • do 8 <sup>th</sup> do 114 <sup>th</sup> to 143 <sup>rd</sup> do  | 5,65,500 11 8      | 5,83,878 4 3                                  | -                                                    | 5,83,878 4 3      | -                                                       | 92 5 2                | 5,83,878 4 3   | -            | 1,619 11          |
| • do 9 <sup>th</sup> do 144 <sup>th</sup> to 171 <sup>st</sup> do  | 9,62,114 8 4       | 8,05,422 8 8                                  | 19 14 11 11                                          | 8,07,333 4 7      | -                                                       | 92 5 2                | 8,07,333 4 7   | 15,464 14 7  | -                 |
| • do 10 <sup>th</sup> do 172 <sup>nd</sup> to 186 <sup>th</sup> do | 2,57,265 11 2      | 1,96,523 6                                    | -                                                    | 1,96,523 6        | -                                                       | 92 5 3                | 1,96,523 6     | 6,667 5 5    | -                 |
| Total                                                              | 11,97,620 4 2      | 10,76,600 14 1                                | 24 15 4                                              | 10,76,626 2 2     | -                                                       | 370 11                | 10,76,626 2 2  | 5,55,424 3 1 | 2,073 8           |



4. Quarter's expenditure. - It will be remarked that the expenditure of the quarter is shown to have been Rs. 1,000, and the net total outlay up to 30 June 1875, Rs. 10,923 7/4.

5. Excess expenditure. - The enclosed statement shows the expenditure in excess of sanction at the end of the quarter to have been Rs. 7,604 11/6.

| Works                                                   | Excess expenditure on 31 <sup>st</sup> March 1875 | Excess expenditure during the quarter 30 June 1875 | Total     | Add. transferred to this from other works | Deduct referred | Excess expenditure on 30 June 1875 |
|---------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----------|-------------------------------------------|-----------------|------------------------------------|
| <u>Main supply</u>                                      |                                                   |                                                    |           |                                           |                 |                                    |
| Aqueduct across the river Hindry                        | 424 5                                             | "                                                  | 424 5     | "                                         | "               | 424 5                              |
| Main Canal 1 <sup>st</sup> Section                      | 1696 6 6                                          | "                                                  | 1696 6 6  | "                                         | "               | 1696 6 6                           |
| do 2 <sup>nd</sup> do                                   | 2686 8 11                                         | "                                                  | 2686 8 11 | "                                         | "               | 2686 8 11                          |
| do 5 <sup>th</sup> do                                   | 1346 6 2                                          | "                                                  | 1346 6 2  | "                                         | "               | 1346 6 2                           |
| do 8 <sup>th</sup> do                                   | 1327 6 7                                          | "                                                  | 1327 6 7  | 92 5 2                                    | "               | 1419 11 9                          |
| <u>Total</u>                                            | 7481 1 2                                          | "                                                  | 7481 1 2  | 92 5 2                                    | "               | 7573 6 4                           |
| <u>Distribution</u>                                     |                                                   |                                                    |           |                                           |                 |                                    |
| Distribution works at Sankasala                         | " 7 4                                             | "                                                  | " 7 4     | "                                         | "               | " 7 4                              |
| <u>Buildings</u>                                        |                                                   |                                                    |           |                                           |                 |                                    |
| Office, Store-house & Workshop at Sankasala             | 8 10 8                                            | "                                                  | 8 10 8    | "                                         | "               | 8 10 8                             |
| Produce Magazine, Store and Station roads at Baramassay | 5 5                                               | "                                                  | 5 5       | "                                         | "               | 5 5                                |
| Office and Store buildings at Valapaur                  | 2 4 5                                             | "                                                  | 2 4 5     | "                                         | "               | 2 4 5                              |
| Repairs to Valapaur, Pungalur                           | 1 6                                               | "                                                  | 1 6       | "                                         | "               | 1 6                                |
| Office and Store at Jipand                              | 5 10 4                                            | "                                                  | 5 10 4    | "                                         | "               | 5 10 4                             |
| do do at Chentaputah                                    | 7 4 11                                            | "                                                  | 7 4 11    | "                                         | "               | 7 4 11                             |
| <u>Total</u>                                            | 30 13 10                                          | "                                                  | 30 13 10  | "                                         | "               | 30 13 10                           |
| <u>Grand Total</u>                                      | 7512 6 4                                          | "                                                  | 7512 6 4  | 92 5 2                                    | "               | 7604 11 6                          |

The excess expenditure of Rs. 7,604 is owing to certain adjustments sanctioned by Government in their Proceedings, No. 2927, dated 14<sup>th</sup> October 1874.

b. Cost of Establishments. - The cost of executive permanent establishments amounts for this quarter to 22.8 per cent on the expenditure for construction, that of temporary establishments to 3.1 per cent, and that of general management to Rs. 1192 1/2 per cent.

7. Total cost of Establishments. - The total cost of the permanent establishments was, therefore, 35.23 and of temporary establishments 3.1 per cent on the expenditure.

Asst. Secy.

Major, R.E.

For Chief Engineer for Irrigation

For Capt. George?  
6<sup>th</sup> November 1875  
Camp R

P. M. 1875. Sept.  
No 7165

No 43

10. Nov 75  
The Secretary to the Commission

Dated 1st Nov 1875  
Recd. 6th Dec 1875  
No 2 &

Submits Report No.  
part of the Atlantic Division  
and Canal Company for the  
year ending 30 June 1875

W. H. B. B. B.

No 3210. Order that the Engineer Report  
be forwarded to the Home Secy.

237/38

11/10/75  
Colt. of 1875 Minutes  
PUBLIC WORKS.

To Mr. Secy for Eng

Date  
Issued  
Recd  
Encl

G O 10 Nov 75 1875, No 3210

No 3237-338

Proposed Public Works  
Commission L. C. Co. - 1875

Recd the — for private  
reading 30 June 1875  
for forward to the Home  
Secy.