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**MADRAS RECORD OFFICE.****Government of Madras.***Public Works* **DEPARTMENT.**G.O. No. 560 (9) Press  
~~Mis.~~

Dated 19-2-1877.

**Not to be folded or roughly handled**

*Proceedings of the Madras Government, Public Works Department,  
19th February 1877. No. 560.*

No. 465. Read the following exdorsement of the Chief Engineer for Irrigation, dated Fort St. George, 8th February 1877, No. 110 W:—

From J. H. LATHAM, Esq., Chief Engineer and Manager, Madras Irrigation and Canal Company, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Kurnool, 20th January 1877, No. 8.

In reference to G.O., No. 2,657, of 3rd October last, I have to-day forwarded to the Acting Collector of Kurnool the Company's demand for water supplied to cultivation up to 31st December 1876 for the Kurnool District, and have asked him, after deducting such a margin for errors as he may see fit, to place the balance at my disposal in his Treasury.

2. The demand for dry crop in detail was sent to him with my letter No. 10 of 11th instant; that for wet and garden crop to-day. The following is an abstract of the totals:—

| Crop. |     |     |     |     |     | Area.     |          | Amount. |    |  |
|-------|-----|-----|-----|-----|-----|-----------|----------|---------|----|--|
|       |     |     |     |     |     | ACRES.    | RS.      | A.      | P. |  |
| Wet   | ... | ... | ... | ... | ... | 10,454.96 | 47,309   | 6       | 1  |  |
| Dry   | ... | ... | ... | ... | ... | 32,663.42 | 67,240   | 12      | 5  |  |
| Total | ... | ... | ... | ... | ... | 43,118.38 | 1,14,550 | 2       | 6  |  |

Deducting 5 per cent. from the total of Rupees 1,14,550-2-6, there will remain, say Rupees 90,000, to be placed at my disposal. It would be convenient to be able to draw much of this in Madras; and I propose that Rupees 65,000 be placed at my disposal in the Company's Revenue Account in the Madras Bank, leaving Rupees 25,000 available in the Kurnool Treasury.

The Reserve Fund or balance to be retained at my disposal at the end of every half year for meeting the working expenses of the ensuing half year, will, I suppose, be a balance of Revenue Account left after drawing from it such sums as one set aside at the end of the half year for payment of guaranteed interest, &c.

From J. H. LATHAM, Esq., Chief Engineer and Manager, Madras Irrigation and Canal Company, to W. FOSTER, Esq., Acting Collector of Kurnool, dated Kurnool, 11th January 1877, No. 10.

I HAVE the honor to send herewith a part of the demand statement ordered in G.O., No. 2,657 of 3rd October last. It includes the demand for *dry crop* up to the 31st ultimo, so far as I can give it. I hope to send you that for wet crop next week. In Sirwell Taluq some of the largest villages do not appear, and for Sirwell and Koilkuntla Taluqs a supplemental demand will have to be prepared. This is due to exceptional difficulties in completing the returns this year.

As you are aware the time of the Village Curnams has been occupied, and their minds distracted, by the unusual duties thrown upon them during the last quarter of a year. I have

My No. 66 of 13th November.  
My " 67 of "

sent you sufficient information to show how this necessarily has affected the work of the canal officers; take only the letters marginally noted as a sufficient illustration.

Even in Kulloor the Curnam was not available for filling up the revenue details of irrigation, as ordered in G.O. No. 1,327 of 8th May 1875, and as to making the fortnightly inspections of actual irrigation and entering the extent as required in Rule XVII, the Curnams could not do it. The greatest number of applications by ryots were made tentatively for an

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acre or two in one field; and the ryot would then irrigate the whole field, and often others near it, without further application; so that the Curnam's register would frequently show not half nor perhaps a third of the actual irrigation. In some villages in Sirwell Curnams and ryots combined, apparently from some misunderstanding wilfully persisted in, to assert that not only no rate but no measurement ought to be taken.

Every effort has been made to release the 250 Curnams as much as possible for the sudden and engrossing duties thrown on them by the famine. The staff of Overseers and Amins has been increased to the utmost extent which the Engineers found themselves able to teach and guide, and which was consistent with the avoidance of confusion. During the last month every village has been carefully inspected by an Overseer or Amin, and every field within the scheme of irrigation visited, in order to record the irrigation up to the last practicable date. A similar process had been carried out in October and November, but with not near so much precision, owing to all the men then requiring practice, and being more puzzled by the difficulties of detail, in entering the areas of an irrigation increasing at the rate of 20,000 acres a month. All this was done under the constant personal attention of the Engineers.

The present returns I believe to be very trustworthy. With the aid of the village maps and registers, the measurements necessary for the dry cultivation have been surmounted. The wet cultivation is more complicated owing to the greater sub-division of the fields; and the completion of the measurements has been postponed until the dry crop was finished; except near the point where the taluqs of Prodatoor, Jammalmadgu, and Sirwell meet, there is no crop except that under irrigation, and this has much simplified the recording of irrigation, and almost prevented mistake as to the fact of irrigation. In regard to irrigation without application my impression is that the 8 Annas per acre fine should be enforced, and where the ryot gets the water free he can well afford to pay it this year. It must be borne in mind that it is to famine years apparently that the Company has fairly to look for a return upon the cost of the canal, and it is then that ryots can best afford to pay the water-rate. Where, as no doubt has been the case this year, ryots combine to try to get water in such years for nothing, and to introduce wholesale, and often violent, robbery of water, when Curnams and the petty Village Magistrates at the head of their ryots violently divert the water from the high-class standing crops of the smaller villages, in order to flood waste land for the cultivation of their own dry crops, it is evident that some restraint and light punishment is wanted to protect, not only the interests of the Government who guarantee the canal, but also the interests of all the weaker ryots. Nothing is more calculated to check irrigation than an uncertainty whether the supply of water will be secure, or a certainty that the applicant will need to fight or bribe for the water during the growth of his crop. There was no difficulty in the way of applying. Besides the Canal Officers authorized by the rules, the Acting Collector authorized the Curnams to take direct applications, and subsequently the Tahsildars also were instructed to take them. The Canal Officers were furnished with forms (similar to those used by the Revenue Officers) for taking down in one sheet the areas applied for, and the applicant's signature, and were ready to register all the applicants in any village with the utmost possible rapidity. I have therefore included in the demand the fines to which the Company are entitled by the Rule IV. The chief value of the fine will be, not the money it will bring in, but the discipline it will restore. It will show that the Government sets its face against disorder and pillage.

The following is an abstract of the amount of the demand:—

| Taluka.         | Area.  |      | Amount. |    |    |
|-----------------|--------|------|---------|----|----|
|                 | ACRES. | CTS. | RS.     | A. | P. |
| Ramalkotta ...  | 898    | 99   | 1,832   | 5  | 11 |
| Nundikotkur ... | 11,816 | 63   | 24,249  | 3  | 11 |
| Nundial ...     | 12,310 | 54   | 25,077  | 12 | 10 |
| Sirwell ...     | 5,410  | 12   | 11,601  | 4  | 1  |
| Koilkuntla ...  | 2,227  | 14   | 4,480   | 1  | 8  |
| Total ...       | 32,663 | 42   | 67,240  | 12 | 5  |

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In order to enable the Company to maintain the canal, an early settlement of demand is unfortunately essential; after deducting such a percentage as you consider right, I have the honor to ask you to place the amount at my disposal in the District Treasury before the close of the current month.

Last year the remissions in Kurnool were 4·6 per cent. and in Cuddapah 2·1 per cent.; I suggest, then, that 5 per cent. will suffice to cover errors.

The demand for wet crop up to 31st December may amount to Rupees 40,000, and the supplemental demand for dry crop to Rupees 20,000 or 30,000. Hence the amount of this first deduction matters little, since it can be adjusted in settling for the rest of the demand after further consideration.

NOTE.—The original was accompanied with a separate book for each village giving details of field numbers, crops, and areas.

**MADRAS IRRIGATION AND CANAL COMPANY.**

*Abstract of Dry Crop irrigated by the Canal water from the 1st July to 31st December, Season 1876-77.*

| Map No.           | Name of Village.        | Area.  |      | Amount. |    |    |
|-------------------|-------------------------|--------|------|---------|----|----|
| Ramalkotta Taluq. |                         | ACRES. | CTS. | RS.     | A. | P. |
| 15                | Soonkasala ... ..       | 4      | 00   | 8       | 0  | 0  |
| 14                | Kontalapaud ... ..      | 2      | 00   | 4       | 0  | 0  |
| 13                | Edurur ... ..           | 25     | 64   | 51      | 4  | 6  |
| 12                | Gopalasingavaram ... .. | 246    | 73   | 493     | 13 | 5  |
| 11                | Niduzur ... ..          | 269    | 63   | 568     | 4  | 5  |
| 10                | Mungalpaud ... ..       | 28     | 60   | 57      | 3  | 2  |
| 9                 | Mamedialpaud ... ..     | 137    | 30   | 274     | 9  | 6  |
| 8                 | Roja ... ..             | 42     | 50   | 85      | 0  | 0  |
| 6                 | Kulloor ... ..          | 83     | 03   | 166     | 1  | 0  |
| 5                 | Joharapuram ... ..      | 59     | 56   | 119     | 1  | 11 |
| Total ...         |                         | 898    | 99   | 1,832   | 5  | 11 |

*Abstract of Dry Crop irrigated by the Canal water from 1st July to 31st December, Season 1876-77.*

| Map No. | Name of Village.          | Area.       | Amount.     |
|---------|---------------------------|-------------|-------------|
|         | <i>Nundikotkur Taluq.</i> | ACRES. CTS. | RS. A. P.   |
| 95      | Rudrawaram ... ..         | 190 42      | 380 13 6    |
| 96      | Pasapada ... ..           | 51 77       | 103 8 8     |
| 64      | Pudur ... ..              | 44 74       | 89 7 8      |
| 62      | Alloor ... ..             | 68 51       | 149 0 0     |
| 42      | Satanikotta ... ..        | 159 24      | 318 7 9     |
| 43      | Mallayala ... ..          | 316 39      | 635 2 1     |
| 44      | Muddigutla... ..          | 90 17       | 180 5 5     |
| 39      | Nagatoor ... ..           | 132 56      | 265 2 0     |
| 41      | Bijnavamala ... ..        | 326 36      | 652 11 10   |
| 40      | Moorwakonda ... ..        | 494 26      | 988 8 1     |
| 15      | Virapuram ... ..          | 118 45      | 236 14 5    |
| 16      | Vellala ... ..            | 883 12      | 1,978 13 10 |

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*Abstract of Dry Crop irrigated by the Canal water from 1st July to 31st December, Season  
1876-77—(Continued).*

| Map No. | Name of Village.                  | Area.  |      | Amount. |    |    |
|---------|-----------------------------------|--------|------|---------|----|----|
|         | <i>Nandial Taluq—(Continued).</i> | ACRES. | CTS. | RS.     | A. | P. |
| 18      | Muchumurri ... ..                 | 613    | 56   | 1,371   | 12 | 6  |
| 17      | Palamurri ... ..                  | 380    | 51   | 769     | 6  | 7  |
| 13      | Beravall ... ..                   | 202    | 34   | 404     | 10 | 10 |
| 19      | Pratakotta ... ..                 | 741    | 14   | 1,482   | 4  | 8  |
| 37      | Pagadial ... ..                   | 66     | 54   | 133     | 1  | 4  |
| 36      | Lukshmapuram ... ..               | 37     | 56   | 75      | 1  | 11 |
| 35      | Tatipaud ... ..                   | 386    | 01   | 772     | 0  | 8  |
| 48      | Bannur ... ..                     | 364    | 95   | 725     | 0  | 6  |
| 47      | Bollavaram ... ..                 | 385    | 69   | 821     | 2  | 7  |
| 56      | Terrigopala ... ..                | 78     | 93   | 157     | 13 | 11 |
| 49      | Jutoor ... ..                     | 275    | 59   | 553     | 4  | 2  |
| 34      | Gunnapavaram ... ..               | 952    | 76   | 1,967   | 8  | 0  |
| 33      | Tummalur ... ..                   | 441    | 81   | 883     | 10 | 7  |
| 50      | Chellemilla ... ..                | 95     | 73   | 191     | 15 | 11 |
| 52      | Pamalpaud ... ..                  | 219    | 83   | 438     | 5  | 2  |
| 51      | Cumbalpulli ... ..                | 58     | 73   | 117     | 7  | 4  |
| 74      | Tudicherla ... ..                 | 744    | 84   | 1,556   | 0  | 7  |
| 75      | Muddur ... ..                     | 49     | 57   | 99      | 2  | 2  |
| 27      | Bhanamakala ... ..                | 270    | 31   | 540     | 10 | 2  |
| 55      | Mittakondala ... ..               | 265    | 23   | 530     | 7  | 3  |
| 73      | Vanala ... ..                     | 440    | 68   | 881     | 5  | 9  |
| 54      | Vempenta ... ..                   | 243    | 93   | 487     | 13 | 11 |
| 80      | Velupuna ... ..                   | 228    | 19   | 456     | 5  | 8  |
| 81      | Regadigudur ... ..                | 869    | 16   | 1,798   | 1  | 3  |
| 82      | Korrapolur ... ..                 | 432    | 50   | 865     | 0  | 3  |
| 77      | Abdullapuram ... ..               | 78     | 55   | 158     | 11 | 0  |
| 76      | Guntakondala ... ..               | 16     | 00   | 32      | 0  | 0  |
|         | Total ...                         | 11,816 | .63  | 24,249  | 3  | 11 |

*Abstract of Dry Crop irrigated by the Canal water from 1st July to 31st December, Season  
1876-77.*

| Map No. | Name of Village.      | Area.  |      | Amount. |    |    |
|---------|-----------------------|--------|------|---------|----|----|
|         | <i>Nundial Taluq.</i> | ACRES. | CTS. | RS.     | A. | P. |
| 5       | Bilakalagoodur ... .. | 388    | 22   | 776     | 7  | 0  |
| 6       | Budanur ... ..        | 541    | 53   | 1,083   | 1  | 0  |
| 4       | Pesaravoyi ... ..     | 674    | 62   | 1,349   | 4  | 1  |
| 22      | Paramatoor ... ..     | 278    | 07   | 565     | 3  | 4  |
| 3       | Bojanam ... ..        | 471    | 10   | 954     | 5  | 3  |
| 8       | Chindukur ... ..      | 506    | 08   | 1,012   | 2  | 9  |
| 19      | Gadigerivela ... ..   | 293    | 84   | 590     | 5  | 5  |
| 21      | Karimadula ... ..     | 1,282  | 38   | 2,568   | 6  | 6  |
| 20      | Tirripaund ... ..     | 153    | 59   | 307     | 2  | 8  |
| 28      | Korratamuddi ... ..   | 2      | 88   | 5       | 12 | 2  |
| 44      | Kakanoor ... ..       | 253    | 82   | 566     | 12 | 6  |
| 42      | Pulimuddi ... ..      | 15     | 64   | 31      | 4  | 5  |
| 26      | Bundiatmakur ... ..   | 980    | 66   | 1,959   | 15 | 9  |
| 45      | Paranapully ... ..    | 336    | 92   | 720     | 6  | 8  |

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19th February 1877. No. 560.*

*Abstract of Dry Crop irrigated by the Canal water from 1st July to 31st December, Season  
1876-77—(Continued).*

| Map No. | Name of Village.                  | Area.  |      | Amount. |    |    |
|---------|-----------------------------------|--------|------|---------|----|----|
|         | <i>Nandial Taluq—(Continued).</i> | ACRES. | CTS. | A.      | P. |    |
| 46      | Ernipaud ... ..                   | 83     | 43   | 168     | 0  | 5  |
| 50      | Iyavarikodur ... ..               | 100    | 02   | 184     | 8  | 3  |
| 49      | Byapgoodur ... ..                 | 22     | 16   | 41      | 5  | 1  |
| 51      | Nundial ... ..                    | 578    | 08   | 1,156   | 3  | 1  |
| 73      | Ballawaram ... ..                 | 3      | 80   | 7       | 9  | 7  |
| 69      | Nunapulli ... ..                  | 807    | 49   | 1,822   | 14 | 7  |
| 79      | Chabole ... ..                    | 457    | 53   | 926     | 1  | 0  |
| 83      | Busalur ... ..                    | 682    | 12   | 1,364   | 4  | 3  |
| 43      | Bhomavaram ... ..                 | 277    | 98   | 596     | 13 | 9  |
| 80      | Kanala ... ..                     | 2,044  | 56   | 4,075   | 13 | 8  |
| 81      | Chapervala ... ..                 | 1,074  | 02   | 2,240   | 9  | 8  |
|         | Total ...                         | 12,310 | 54   | 25,077  | 12 | 10 |

*Abstract of Dry Crop irrigated by the Canal water from the 1st July to 31st December, Season  
1876-77.*

| Map No. | Name of Village.          | Area.  |      | Amount. |    |    |
|---------|---------------------------|--------|------|---------|----|----|
|         | <i>Sirwel Taluq.</i>      | ACRES. | CTS. | RS.     | A. | P. |
| 5       | Sambavaram ... ..         | 53     | 38   | 106     | 12 | 3  |
| 10      | Pesarapaud ... ..         | 261    | 28   | 562     | 8  | 5  |
| 29      | Erraguntla ... ..         | 525    | 94   | 1,213   | 4  | 4  |
| 30      | Kottapaud ... ..          | 541    | 34   | 1,238   | 13 | 4  |
| 33      | Jinepully ... ..          | 122    | 45   | 238     | 1  | 10 |
| 35      | Vanikandinni ... ..       | 436    | 72   | 899     | 4  | 4  |
| 36      | Nullatimaihappully ... .. | 300    | 92   | 601     | 13 | 7  |
| 45      | Gopalapuram ... ..        | 168    | 42   | 336     | 13 | 6  |
| 58      | Devarayapuram ... ..      | 212    | 89   | 439     | 0  | 5  |
| 60      | Allagadda ... ..          | 361    | 50   | 790     | 1  | 11 |
| 61      | Lingumdinni ... ..        | 170    | 06   | 346     | 14 | 11 |
| 62      | Patakondakur ... ..       | 151    | 42   | 329     | 1  | 4  |
| 63      | Kotakandukur ... ..       | 80     | 19   | 160     | 5  | 11 |
| 64      | Palasogaram ... ..        | 41     | 48   | 82      | 15 | 4  |
| 65      | Chintakomadinni ... ..    | 84     | 34   | 168     | 10 | 11 |
| 72      | Pedda Budanam ... ..      | 21     | 84   | 43      | 11 | 0  |
| 73      | Rampully ... ..           | 100    | 51   | 201     | 0  | 3  |
| 74      | Nelampad ... ..           | 33     | 81   | 67      | 9  | 11 |
| 78      | Bramhanapully ... ..      | 5      | 14   | 10      | 4  | 6  |
| 79      | Gathur ... ..             | 92     | 54   | 185     | 1  | 3  |
| 81      | Mallamalla ... ..         | 26     | 01   | 52      | 0  | 4  |
| 20      | Sirwell ... ..            | 492    | 28   | 1,188   | 1  | 10 |
| 57      | Gubagundam ... ..         | 96     | 11   | 192     | 3  | 6  |
| 59      | Chintacoonta ... ..       | 1,029  | 55   | 2,126   | 9  | 2  |
|         | Total ...                 | 5,410  | 12   | 11,601  | 4  | 1  |

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19th February 1877. No. 560.

Abstract of Dry Crop irrigated by the Canal-water from the 1st July to 31st December, Season 1876-77.

| Map No. | Name of Village.              | Area.       | Amount.     |
|---------|-------------------------------|-------------|-------------|
|         | <i>Koilkuntla Taluq.</i>      | ACRES. CTS. | RS. A. P.   |
| 10      | Shakiravemula ... ..          | 717 97      | 1,442 14 11 |
| 11      | Arjinapuram ... ..            | 248 80      | 515 15 1    |
| 12      | Burrariddepalli ... ..        | 109 66      | 219 5 4     |
| 13      | Kampamalla ... ..             | 95 24       | 190 7 7     |
| 14      | Gubagundum Jummaldinni ... .. | 321 63      | 643 4 3     |
| 15      | Donipad ... ..                | 580 49      | 1,161 7 5   |
| 26      | Kristapaud ... ..             | 73 47       | 146 15 0    |
| 33      | Surveyapully ... ..           | 79 88       | 159 12 1    |
|         | Total ...                     | 2,227 14    | 4,480 1 8   |

(Signed) J. H. LATHAM,  
Chief Engineer and Manager.

SUBMITTED for the consideration of Government.

In this letter the Chief Engineer and Manager, Madras Irrigation and Canal Company, shows that he has submitted to the Collector of Kurnool under the directions contained in G.O., No. 2,657, of the 3rd October 1876, demand statements for the irrigation of wet and dry crops up to the 31st December last, the demands amounting to for—

|                 |           |             |
|-----------------|-----------|-------------|
|                 |           | RS. A. P.   |
| Wet crop, Acres | 10,454-96 | 47,309 6 1  |
| Dry „           | 32,663-42 | 67,240 12 5 |

These demands include fines for irrigation without application, in accordance with the provisions of the rules.

The Chief Engineer and Manager's letter No. 10 of the 11th ultimo to the Collector contains full particulars of the demands for dry crop irrigated in each village of each taluq. The similar statement for wet crop has not yet been received.

2. With regard to Mr. Latham's wish to have credit given him at the Bank of Madras for much of the revenue earned by the Company, it is thought that credit should be given in full at the Huzur Treasury of each district, and that thereafter the Chief Engineer and Manager should obtain credit orders on Madras under the rules of the Financial Department.

3. Information regarding the formation of a Reserve Fund has been submitted for the consideration of Government with this office endorsement, No. 109 W, dated 31st January 1877.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,  
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,  
19th February 1877. No. 560.

No. 466.

ORDER THEREON, 19th February 1877, No. 560.

IRRIGATION, No. 47.

Account.

RECORDED.

The Chief Engineer and Manager of the Madras Irrigation and Canal Company will have to be credited in the first

instance at the Huzur Treasury with the amount of payments approved by the Collectors for their respective districts, but credit orders on any other treasury will be granted at the usual rates.

2. The question raised as to the formation of a Reserve Fund has been disposed of in G.O., No. 547, dated 19th February 1877.

(True Extract.)

Lieut.-Colonel, R.E.,  
Secretary to Government.

To the Chief Engineer for Irrigation.

- „ Chief Engineer and Manager, Madras Irrigation and Canal Company.
- „ Examiner, Irrigation Company's Accounts.
- „ Revenue Department.

Erd. E. C. Shunker.

Spare Copies

Madras Irrigation and Canal Co.  
 Chief Engineer & Manager's Office  
 Kurnool 20<sup>th</sup> January 1877.

To  
 The Chief Engineer for Irrigation  
 Fort St George  
 Madras

Sir,

In reference to G.O. No 2657 of 3<sup>rd</sup> October last, I have to day forwarded to the Dy Collector of Kurnool the Company's demand for water supplied to cultivations up to 31<sup>st</sup> December 1876 for the Kurnool District, and have enclosed him, after deducting such a margin for error as he may see fit, to place the balance at my disposal in his Treasury.

The demand for dry crops in detail was sent to him with my letter No 10 of 11<sup>th</sup> instant, that for wet and garden crops to day. The following is an abstract of the totals

| Crop  | Area      | Amount      |  |  |  |
|-------|-----------|-------------|--|--|--|
| Wet   | 10,454.96 | 47,309 6 1  |  |  |  |
| Dry   | 32,663.42 | 67,240 12 5 |  |  |  |
| Total | 43,118.38 | 114,550 2 6 |  |  |  |

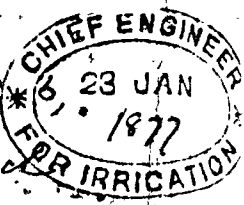
Deducting

Deducting 5% from the total of Rs 114,550.25 there will remain, say Rs 90,000 to be placed at my disposal. It would be convenient to be able to draw much of this in Madras: and I propose that Rs 65,000 be placed at my disposal in the Company's Revenue account in the Madras Bank, leaving Rs 25,000 available in the Annamalai Treasury.

The Reserve fund, or balance to be retained at my disposal at the end of every half year for meeting the working expenses of the ensuing half year, will, I suppose, be a balance of Revenue left after charging from it such sums as are set aside at the end of the half year for payment of Guaranteed Interest &c.

I have the honor to be  
Sir,

Your most obedt servant  
John H. Latham  
Chief Engineer & Manager



P.W.D.

16 FEB 77

1679

656 2  
No 10 Madras Irr: and C. Co.  
Chief Engineer & Manager's Office  
Tummal 11<sup>th</sup> January 1877.

To The Collector of Tummal

Sir  
I have the honor to send herewith a part of the Demand statement, ordered in G. O. No 2657 of 3<sup>rd</sup> October last. It includes the demand for dry crop up to the 31<sup>st</sup> ultimus, so far as I can give it. I hope to send you that for wet crop next week. In Sirwell Taluk some of the largest Villages do not appear; and for Sirwell and Hoilbuntla Taluks a supplemental demand will have to be prepared. This is due to exceptional difficulties in completing the returns this year.

As you are aware, the time of the Village Carnams has been occupied, and their minds distracted, by the unusual duties thrown upon them during the last quarter of a year. I have sent you sufficient information to shew how this necessarily has affected the work of the Canal Officers.

7 3

Officers: take only the letters marginally noted as  
my No 66 of 13<sup>th</sup> November 67 of same date. a sufficient illustration.

Even in Kulloos the Curmans was not available for filling up the revenue details of irrigation, as ordered in G. O. No 1327 of 8<sup>th</sup> May 1875, and as to making the fortnightly inspections of actual irrigation, and entering the extent, as required in Rule xvij, the Curmans could not do it. The greatest number of applications by ryots were made tentatively for an acre or two in one field; and the ryot would then irrigate the whole field, and often others near it, without further application: so that the Curmans registers would frequently show not half nor perhaps a third of the actual irrigation. In some Villages in Sirwell, Curmans and ryots combined, apparently from some misunderstanding willfully persisted in, to assert that not only no rate but no measurement ought to be taken.

Every effort has been made to release the 250 Curmans as much as possible for the sudden and engrossing duties thrown on them by the famine. The Staff of Overseers and Amirs has

8 4  
has been increased to the utmost extent which the Engineers found themselves able to teach and guide, and which was consistent with the avoidance of confusion. During the last month every village has been carefully inspected by an overseer or Amin, and every field within the scheme of irrigation visited, in order to record the irrigation up to the last practicable date. a similar process had been carried out in October and November, but with not near so much precision, owing to all the men then requiring practice, and being more puzzled by the difficulties of detail, in entering the areas of an irrigation increasing at the rate of 20,000 acres a month. all this was done under the constant personal attention of the Engineers.

The present returns I believe to be very trustworthy. With the aid of the Village maps and registers, the measurements necessary for the dry Cultivation have been surmounted. The Wet Cultivation is more complicated owing to the greater subdivision of the fields: and the completion of the measurements has been postponed until the dry Crop was finished. except near the

5  
the point where the Saluts of Pra-  
-dator, Jammalamadugu and  
Sirwell meet there is no Crop  
except that under irrigation, and  
this has much simplified the recording  
of irrigation; and almost prevented  
mistake as to the fact of irrigation.  
In regard to irrigation without  
application my impression is that  
the sannas per acre fine should be  
enforced: and where the ryot gets the  
water free he can well afford to pay  
it, this year. It must be borne in  
mind that it is to farming years,  
apparently, that the Company has fairly  
to look for a return upon the Cost  
of the Canal; and it is then that  
ryots can best afford to pay the  
water rate. Where, as no doubt has  
been the case this year, ryots combine  
to try to get water in such years  
for nothing, and to introduce whole-  
-sale, and often violent, robbery of  
water. When Curramas and the petty  
Village magistrates at the head of their  
ryots violently divert the water from  
the high Class standing crops of the  
smaller Villages, in order to flood waste  
land for the Cultivation of their own  
dry Crops, it is evident that some  
restraint and light punishment is  
wanted to protect, not only the inter-  
-ests of the Government who guarantee the  
Canal

9 6

Canal, but also the interests of all the weaker ryots. Nothing is more calculated to check irrigation, than an uncertainty whether the supply of water will be secure, or a certainty that the applicant will need to fight, or bribe, for the water during the growth of his crop. There was no difficulty in the way of applying. Besides the Canal Officers authorized by the Rules, the Sq. Collector authorized the Curnams to take direct applications; and subsequently the Tahsildars also were instructed to take them. The Canal Officers were furnished with forms (similar to those used by the Revenue Officers) for taking down in one sheet the areas applied for, and the applicants signature, and were ready to register all the applicants in any Village with the utmost possible rapidity. I have therefore included in the Demand the fines to which the Company are entitled by the Rules. The chief value of the fine will be, not the money it will bring in, but the discipline it will restore. It will shew that the Government sets its face against disorder and pillage.

The following is an abstract of

10 7

of the amount of the demand.

| Taluk       | Acres  |    | Amount. |    |    |
|-------------|--------|----|---------|----|----|
| Pamalkotta  | 898    | 99 | 1832    | 5  | 11 |
| Mundikottur | 11,816 | 63 | 24,249  | 3  | 11 |
| Mundial     | 12,310 | 54 | 25,077  | 12 | 10 |
| Sirwell     | 5,410  | 12 | 11,601  | 4  | 1  |
| Koilkunthla | 2,227  | 14 | 4,480   | 1  | 8  |
| Total       | 32,663 | 42 | 67,240  | 12 | 5  |

In order to enable the Company to maintain the Canal, an early settlement of demand is unfortunately essential; after deducting such a percentage as you consider right, I have the honor to ask you to place the amount at my disposal in the District Treasury before the close of the current month.

Last year the remissions in Har-  
nool were 4.6 per Cent and in  
Cuddapah 2.1 per Cent. I suggest  
then that 5 per Cent will suffice to  
cover errors.

The demand for wet crop up  
to 31<sup>st</sup> December may amount to Rs 40,000,  
and the supplemental demand for dry  
crop to Rs 20,000 or 30,000. Hence the  
amount of this first deduction  
matters

8  
matters little, since it can be adjusted in settling for the rest of the demand, after further consideration.

I have the honor to be

Yours most obedt Servt

(Signed) John W. Hathorn  
Chief Engineer & Manager

(True Copy)

John W. Hathorn  
Chief Engineer & Manager

Note. The Original was accompanied with a separate book for each village giving details of field numbers, crops, and areas. JWH

# Madras Irrigation & Canal Co.

Abstract of Dry Crop irrigated by the  
canal water from the 1<sup>st</sup> July to 31<sup>st</sup> December  
Season 1876-77.

| Sl. No.               | Name of Village  | Area  |    | Amount |    |    |
|-----------------------|------------------|-------|----|--------|----|----|
|                       |                  | acres | C. | Rs.    | a. | p. |
| — Paimalkotta Taluk — |                  |       |    |        |    |    |
| 15                    | Sorn Kesala      | 4     | 00 | 8      | .. | .. |
| 14                    | Kontalapaud      | 2     | 00 | 4      | .. | .. |
| 13                    | Odurur           | 25    | 64 | 51     | 4  | 6  |
| 12                    | Appalasingavaram | 246   | 73 | 498    | 13 | 5  |
| 11                    | Kidurur          | 269   | 63 | 568    | 4  | 5  |
| 10                    | Mungalpau        | 28    | 60 | 57     | 3  | 2  |
| 9                     | Namedialpau      | 137   | 20 | 274    | 9  | 6  |
| 8                     | Raja             | 42    | 50 | 85     | .. | .. |
| 6                     | Kullor           | 83    | 03 | 166    | 1  | .. |
| 5                     | Johorapuram      | 59    | 56 | 119    | 1  | 11 |
| Total                 |                  | 898   | 99 | 1832   | 5  | 11 |

22

27 3 8

(Signed) John. H. Kathan  
Chief Engineer Manager

(True copy)

John Kathan  
Chief Engineer Manager

12 10

Madras Irrigation and Canal Co.

Abstract of Dry crops irrigated by the Canal  
water from 1<sup>st</sup> July to 31<sup>st</sup> December  
Season 1876-77.

| Map<br>No.         | Name of Village | Area  |    | Amount |       |
|--------------------|-----------------|-------|----|--------|-------|
|                    |                 | acres | 0  | R.     | a. l. |
| Mundikottai Taluk. |                 |       |    |        |       |
| 95                 | Rudrawaram      | 190   | 42 | 380    | 13 8  |
| 96                 | Pasapida        | 51    | 77 | 103    | 8 8   |
| 64                 | Pudus           | 44    | 74 | 89     | 7 8   |
| 62                 | Alloori         | 68    | 51 | 149    | " "   |
| 42                 | Satanikotta     | 159   | 24 | 318    | 7 9   |
| 43                 | Mallayala       | 316   | 39 | 635    | 2 1   |
| 44                 | Muddiligutta    | 90    | 17 | 180    | 5 5   |
| 39                 | Kagatoori       | 132   | 56 | 265    | 2 "   |
| 41                 | Bijinaravala    | 326   | 36 | 652    | 11 10 |
| 40                 | Maarwaikonda    | 494   | 26 | 988    | 8 1   |
| 15                 | Virapuram       | 118   | 45 | 236    | 14 5  |
| 16                 | Vellala         | 883   | 12 | 1978   | 13 10 |
| 18                 | Muchumuri       | 613   | 56 | 1371   | 12 6  |
| 17                 | Palamurri       | 380   | 51 | 769    | 6 7   |
| 13                 | Peraval         | 202   | 34 | 404    | 10 12 |
| 19                 | Pratatotta      | 741   | 14 | 1482   | 4 8   |
| 37                 | Pagadial        | 66    | 54 | 133    | 1 4   |
| 36                 | Krishnapuram    | 37    | 56 | 75     | 1 11  |
| 35                 | Tatipandal      | 386   | 21 | 772    | 0 8   |
| 48                 | Banner          | 364   | 95 | 725    | " 6   |
| 47                 | Bollavaram      | 385   | 69 | 821    | 2 7   |
| 56                 | Terrigopala-    | 78    | 93 | 157    | 13 11 |
|                    |                 | 6133  | 22 | 12691  | 6 9   |

# Mundikottur Taluk (Continued) 13 11

| Map No. | Name of Village | Area  |    | Amount |    |    |
|---------|-----------------|-------|----|--------|----|----|
|         |                 | acres | c  |        |    |    |
|         | Brought forward | 6133  | 22 | 12691  | 6  | 9  |
| 49      | Suttor          | 245   | 59 | 553    | 4  | 2  |
| 34      | Gunnakavaram    | 952   | 46 | 1967   | 8  | "  |
| 33      | Tummalur        | 441   | 81 | 883    | 10 | 4  |
| 50      | Chillemilla     | 95    | 73 | 191    | 15 | 11 |
| 52      | Pamalpaud       | 319   | 83 | 438    | 5  | 2  |
| 51      | Kumbalpuelli    | 58    | 73 | 117    | 7  | 4  |
| 74      | Tudicherla      | 764   | 84 | 1556   | "  | 7  |
| 75      | Muddur          | 49    | 57 | 99     | 2  | 2  |
| 27      | Bhanamattala    | 270   | 31 | 540    | 10 | 2  |
| 55      | Mittakondala    | 265   | 23 | 530    | 7  | 3  |
| 73      | Varala          | 440   | 68 | 881    | 5  | 9  |
| 54      | Tempenta        | 243   | 93 | 487    | 13 | 11 |
| 80      | Velupurur       | 228   | 19 | 456    | 5  | 8  |
| 81      | Megadigudur     | 869   | 16 | 1798   | 1  | 3  |
| 82      | Ghorapalur      | 482   | 50 | 865    | "  | 3  |
| 77      | Abdullapuram    | 78    | 55 | 158    | 11 | "  |
| 76      | Guntakondala    | 16    | 00 | 32     | "  | "  |
|         |                 | 11816 | 63 | 24249  | 3  | 11 |

(True Copy) / Signed John H. Nathan  
 Chief Supt & Manager  
 John H. Nathan  
 Chief Supt & Manager

M. J. and. G. Co. 14 16  
Abstract of Dry Crop irrigation by the  
canal water flow 1<sup>st</sup> July to 31<sup>st</sup> December  
Season 1876-77.

| Map<br>No.           | Name of Village | Area<br>Acres | Amount.     |
|----------------------|-----------------|---------------|-------------|
| <u>Mundial Taluk</u> |                 |               |             |
| 5                    | Bilakalagoodur  | 38822         | 776 7 "     |
| 6                    | Budanur         | 541 53        | 1083 1 "    |
| 4                    | Pesaravoyi      | 674 62        | 1349 4 1    |
| 22                   | Paramatam       | 278 07        | 565 3 4     |
| 3                    | Bojanam         | 471 10        | 954 5 3     |
| 8                    | Chindur         | 506 08        | 1012 2 9    |
| 19                   | Gadigerivela    | 293 84        | 590 5 5     |
| 21                   | Karimadula      | 1282 38       | 2568 6 6    |
| 20                   | Tirripand       | 153 59        | 307 2 8     |
| 28                   | Karratanuoldi   | 2 88          | 5 12 2      |
| 44                   | Kakansoor       | 253 82        | 566 12 6    |
| 42                   | Pilimuddi       | 16 64         | 31 4 5      |
| 26                   | Bundiattmattees | 980 66        | 1957 15 9   |
| 45                   | Paranapully     | 336 92        | 720 6 8     |
| 46                   | Ernipand        | 83 43         | 168 0 5     |
| 50                   | Syavarittocur   | 100 02        | 184 8 8     |
| 49                   | Kyapgoodur      | 22 16         | 44 5 1      |
| 51                   | Mundial         | 578 08        | 1156 3 1    |
| 73                   | Bollawaram      | 3 80          | 7 9 7       |
| 69                   | Kunapulli       | 807 49        | 1822 14 7   |
| 79                   | Chaliola        | 457 53        | 926 1 "     |
| 83                   | Pusalur         | 682 12        | 1364 4 3    |
| 43                   | Bhonnawaram     | 277 98        | 576 13 9    |
| 80                   | Kanala          | 2044 56       | 4075 13 8   |
| 81                   | Chapervala      | 7074 02       | 2240 9 8    |
| Total                |                 | 12310 54      | 25077 12 10 |

(True copy)

John Hattam

W. J. and G. Co. 14 16  
Chief Engineer

13

No. 1 and 6. Co.  
 Abstract of Dry crop irrigated by the  
 Canal water from the 1<sup>st</sup> July to 31<sup>st</sup>  
 December 1877. Season 1876-77.

| Map<br>No         | Name of Village   | Area |      | Amount |       |
|-------------------|-------------------|------|------|--------|-------|
|                   |                   | Acre | C    |        |       |
| — Sirivel Taluk — |                   |      |      |        |       |
| 5                 | Sambavarani       | 53   | 38   | 106    | 12 3  |
| 10                | Pesarapand        | 261  | 28   | 562    | 8 5   |
| 29                | Erraguntla        | 52   | 59 4 | 1213   | 4 4   |
| 30                | Kottapand         | 541  | 34   | 1238   | 13 4  |
| 33                | Jinepully         | 122  | 45   | 258    | 1 10  |
| 35                | Vanikandiini      | 436  | 72   | 899    | 4 4   |
| 36                | Mullativaihapally | 300  | 92   | 601    | 13 7  |
| 45                | Gopalapuram       | 168  | 42   | 336    | 13 6  |
| 58                | Devarayapuram     | 212  | 89   | 439    | 0 5   |
| 60                | Allagadda         | 361  | 50   | 790    | 1 11  |
| 61                | Lingundiini       | 170  | 06   | 346    | 14 11 |
| 62                | Pata Kondakur     | 151  | 42   | 329    | 14    |
| 63                | Kota Kandukur     | 80   | 19   | 160    | 5 11  |
| 64                | Palasapuram       | 41   | 48   | 82     | 15 4  |
| 65                | Chaita Komandiini | 84   | 34   | 168    | 10 11 |
| 72                | Pedda Budanani    | 21   | 84   | 43     | 11 0  |
| 73                | Rampully          | 100  | 51   | 201    | 2 3   |
| 74                | Selampad          | 33   | 81   | 67     | 9 11  |
| 78                | Bramhanapully     | 5    | 14   | 10     | 4 6   |
| 79                | Gatlur            | 92   | 54   | 185    | 1 3   |
| 81                | Mallamalla        | 20   | 01   | 52     | 0 4   |
| Total             |                   | 3792 | 18   | 8094   | 5 7   |
| Carried over      |                   |      |      |        |       |

# Sirwell Taluk (Continued)

| Sl. No. | Name of Village | Area  |    | Amount |   |    |  |
|---------|-----------------|-------|----|--------|---|----|--|
|         |                 | Acres | C. |        |   |    |  |
|         | Brought over    | 3792  | 18 | 8072   | 5 | 7  |  |
| 20      | Sirwell         | 1492  | 28 | 1188   | 1 | 10 |  |
| 57      | Gubagundam      | 96    | 11 | 192    | 3 | 6  |  |
| 59      | Chintacoonto    | 1029  | 55 | 2126   | 9 | 2  |  |
|         | Total           | 5410  | 12 | 11601  | 4 | 1  |  |

(True Copy.)

Signed John H. Latham  
 Chief Engineer & Manager

Wm. H. Latham  
 Chief Engineer & Manager

Mr. J. and C. Lee

17 15

Abstract of dry Crop irrigated by the Canal  
water from the 1<sup>st</sup> July to 31<sup>st</sup> December  
Season 1876-77-

| Map<br>No                 | Name of Village      | Area<br>Acres | Amount     |
|---------------------------|----------------------|---------------|------------|
| <u>Koil Kuntla Taluk.</u> |                      |               |            |
| 10                        | Shakiravemula        | 717 97        | 1442 14 11 |
| 11                        | Aryinapuram          | 248 80        | 515 15 1   |
| 12                        | Burrariddipalli      | 109 66        | 219 5 4    |
| 13                        | Kampamalla           | 95 24         | 190 7 7    |
| 14                        | Gubagundam Summalidi | 321 63        | 643 14 3   |
| 15                        | Dornipad             | 580 49        | 1161 7 5   |
| 26                        | Kristapad            | 73 47         | 146 15 0   |
| 33                        | Surveyapully         | 79 88         | 159 12 1   |
| Total                     |                      | 2327 14       | 4480 18    |

(True Copy) / signed John H. Latham  
Chief Engineer  
John Latham  
Chief Engineer

No 110-W

Encls. 2.

Submitted for the Consideration  
of Government.

In this letter the Chief Engineer  
and Manager Madras Irrigation  
& Canal Company shows that he  
has submitted to the Collector  
of Kurnool under the directions  
contained in G.O. No 2657 of the 3<sup>rd</sup>  
October 1876 demand statements  
for the irrigation of wet and dry  
crops up to the 31<sup>st</sup> December last,  
the demands amounting to, for

|            | acres     | Rupies.          |
|------------|-----------|------------------|
| Wet crop - | 10,454.96 | 47,309 - 6 - 1   |
| Dry - do - | 32,663.42 | 67,240 - 12 - 5. |

These demands include fines for  
irrigation without application,  
in accordance with the provisions  
of the rules.

The Chief Engineer & Manager's letter

N<sup>o</sup> 10 of the 11<sup>th</sup> Ultimo to the collector  
contains full particulars of the  
demands for dry crop irrigated  
in each village of each Taluk.  
The similar statement for wet crop  
has not yet been received.

2. With regard to Mr. Latham's  
wish to have credit given him  
at the Bank of Madras for much  
of the revenue earned by the  
company, it is thought that  
credit should be given in full  
at the Muzur Treasury of each  
District and that thereafter  
the Chief Engineer & Manager  
should obtain credit orders  
on Madras under the rules of  
the Financial Department.

3. Information regarding  
the formation of a reserve fund  
has been submitted for the

20 14  
Consideration of Government  
with this office endorsement  
N<sup>o</sup> 1074 dated 31<sup>st</sup> January 1877.

Fort. St. George  
8<sup>th</sup> Feb 1877

Wm. Milnes Esq. M. A.  
Chief Engineer for Irrigation

The Secretary to Government,  
Public Works Dept.

W. B.

W. B.

1877  
21 18  
Public Works Department.

No 560

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 19 Feb/77  
Read the following:-

From the Chief Engineer  
for the (H.R. No 110 W of 8 Feb/77)

Recorded.

The Chief Engineer and Manager  
of the Madras Irrigation and  
Canal Company, will have to be  
credited in the first instance  
at the Arcot Treasury with the  
amount of payments approved  
by the Collectors for their respective  
Districts, but credit orders on  
any other Treasury will be  
granted at the usual rates.  
2. The question raised as to  
the formation of a Reserve Fund  
has been disposed of in G.O. No 547  
dated 19<sup>th</sup> Feb/77. W 16/2

Ch. Engr. ✓  
Ch. & M. M. S. C. G. ✓  
to. Secy. to Govt. ✓  
Revenue Dept. ✓  
Dated 8-3-77

Signature of Secy. to Govt.  
19 Feb 1877

W

3<sup>rd</sup> Oct. 1876 No 2657.

1877

1877  
The Chief Secy for Irrigation.  
P.W.D.  
16 FEB 77  
No 1679

Dated 8<sup>th</sup> Feb 1877  
Despatch 16<sup>th</sup> Feb 1877

No. 110 - W. Encl. 1

Demand Statements for Irrigation  
in wet & dry crops - Kurnool District.  
Submitted for consideration, Ch. Engr.  
Managers P.W.D. regarding  
up to 31<sup>st</sup> Dec 1876.

No 65

Gr 17.2.77

*679*  
Capt. of 1877 *Madras*.  
PUBLIC WORKS.

To

*The Chief Eng<sup>r</sup> for Irrigation*

Dated

Issued

Recd.

Encl.

G. O., *17<sup>th</sup> Feb<sup>r</sup>* 1877, No. *465*

Nos. 465-66

*Remand statements for  
irrigation of wet & dry crops  
Kurnool Dist. Note by the  
Chief Engineer for Irrigation  
submitting the —  
to 31<sup>st</sup> December 1876. Remand  
with remarks.*

*Wm. R. G.*

*Gr: 17.2.77*