

# MADRAS RECORD OFFICE.

Government of Madras.

*Revenue* DEPARTMENT.

|                             |       |                          |
|-----------------------------|-------|--------------------------|
| G.O. No.                    | 449   | Press<br><del>Mis.</del> |
| <sup>355-56.</sup><br>Dated | 18-2- | 1868.                    |

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Revenue Department,  
18th February 1868.*

No. 355. Read the following Proceedings of the Madras Government in the  
Public Works Department:—

Sanctioning estimates of Rupees 13,350 for a  
channel from terminus of eastern side channel  
of Masulipatam canal near Ankumurroo Lock } (Here enter 14th February 1868, No. 515.)  
to Gokaveram, in Kistna District.

No. 356. ORDER THEREON, 18th February 1868, No. 449.  
Communicated to the Revenue  
Board.

Irrigation, No. 11.

(True Extract.)

(Signed) F. BRANDT,  
Under Secretary to Government.

To the Board of Revenue, with Proceedings Public Works Department, No. 515.

*Proceedings of the Madras Government, Public Works Department,  
14th February 1868.*

No. 338. Read the following Endorsement of the Acting Collector of the Kistna District, dated Circuit Cutcherry at Gudewada, 10th January 1868, No. 5:—

Read the following letter from the Superintending Engineer, 2nd Division, to the Acting Collector of the Kistna District, dated Bazoarah, 26th October 1867, No. 166.

- 1 Plan.
- 1 Survey.
- 2 Detailed Estimates.
- 2 Abstract do.
- 1 Specification Report.

I have the honor to forward plans and estimates, as per margin, for an irrigation channel in continuation of the eastern side channel of the Masulipatam Canal called "Ramarazupollem Chan-

nel," amounting to Rupees 13,350, and request you will be so good as to submit them to Government for sanction, after affixing your counter-signature, together with my letter to the Secretary to Government, No. 102, dated 23rd instant, herewith enclosed, in which the necessity of the proposed work has been explained.

From the Superintending Engineer, 2nd Division, to the Secretary to Government, Department Public Works, dated Masulipatam, 23rd October 1867, No. 102.

1. I have the honor to forward, for the sanction of Government, plans and estimates, as per margin, for an irrigation channel in continuation of the eastern side channel of the Masulipatam Canal, amounting to Rupees 13,350.

- 1 Plan.
- 1 Survey.
- 2 Detailed Estimates.
- 2 Abstract do.
- 1 Specification Report.

G. O. No. 3,342, dated 19th October 1866.

2. The eastern side channel, as sanctioned by Government\*, terminates at Ankumuroo Lock, with a bottom width of 15 feet and slope of 7 inches per mile; the discharge of which, with 3 feet depth of water, will be 11,583 cubic yards per hour, or sufficient for about 5,000 acres.

3. The channel now proposed (which may be called the "Ramarazupollem Channel") is continued from its termination with a slope of 3 inches per mile and width at first of 22 feet, gradually diminishing as the branch channels are taken off, till at 11 miles the width is only 4 feet. Its depth throughout will be maintained at 3 feet.

4. From the levels noted in the survey (made by Overseer Vencata Row) which accompanies, it will be seen that a large extent of land can be irrigated from it on its right bank, and that from the 8½ mile cultivation can be carried on under both banks. An approximation to the quantity of land likely to be eventually watered is 4,500 acres, most of which is at present waste.

5. This is not likely to be all taken up very speedily, as the soil was injured by the sea-water during the cyclone of 1864, and the inhabitants are poor; but if liberal terms are given at first, it is probable that in five or seven years all will be cultivated and pay full revenue.

6. The estimate amounts to Rupees 13,350; allowing 4 Rupees water-rate and 1 Rupee for dry sist on only 4,000 acres per annum, we may expect eventually a yearly revenue of Rupees 20,000 under the channel. If only 1,000 acres are taken up for the first few years, the return will be amply remunerative, but as the population of the adjacent villages is considerable (amounting to nearly 9,000 people) more may be expected.

7. Under these circumstances, I beg to recommend the project to the favorable consideration of Government. Should it be approved, I request that Rupees 2,500 may be transferred from the allotment of Rupees 6,130 granted in G. O. No. 1,703, dated 7th June 1867 for the channel to Kykaloor, as the whole of that sum is not needed during the present year.

*Proceedings of the Madras Government, Public Works Department,  
14th February 1868.*

Plan and Survey sent by banghy.

1. Submitted to Government as requested by the Superintending Engineer.

Herewith forwarded.

2. Lieutenant-Colonel Winscom's letter No. 102, dated 23rd October 1867, to the Secretary to Government, contained only information as to the probable extent of land that might be eventually taken up; much of this had, he observed in his paragraph 5, been injured by the sea inundation in 1864, and would not probably be profitable for some years. I thought it better, before laying the project before Government, to ascertain the immediate prospects of return from the work, and referred to the Tahsildar, who has sent a detailed list of acres 2,037 in thirty-one villages and hamlets, the water-rate on which will be Rupees 8,348, or 62½ per cent. on the estimated outlay per annum. I strongly recommend the immediate execution of the work.

(Signed) W. WILSON,  
*Acting Collector.*

**MEMORANDUM.**

1. The estimates submitted with the accompanying letter from the Superintending Engineer of the 2nd Division refer to the opening out of a branch channel from the terminus of the eastern side channel of the Masulipatam Canal near Ankumurroo Lock, for the purpose of irrigating a sandy tract of ground which extends for a distance of eleven miles from the canal in a direction nearly parallel to the sea. The tract in question was inundated by the sea during the cyclone of 1st November 1864, and the productive power of the soil was in consequence much impaired. It is understood that the soil was poor even before the cyclone, and that it required the aid of the Kistna alluvium to render it as productive as the soil in other parts of the Delta. There appear to the undersigned to be stronger reasons for irrigating it now than before, as it is only by repeated artificial floodings that the injurious effect of the large quantity of salt which has been left on the ground can be neutralized, and he accordingly recommends that the estimates for the proposed work, amounting to Rupees 13,350, may receive the sanction of Government.

2. Colonel Winscom has not given any particulars of the quantity of drainage water which passes along the channel, crossing the proposed channel at the third mile. It is observed that there is a separate outlet to the drainage water, but its sufficiency combined with that of the small tunnel provided for in the present estimate, for disposing of the surplus water from the considerable tract of irrigated land to the westward should, in the opinion of the undersigned, be examined and the result reported in due course. Estimates should also be submitted for bridges on the Masulipatam and Hyderabad road, and on the road from Masulipatam to Cowtrum, both of which will be intersected by the new channel. The undersigned considers that the cost of bridges on existing thoroughfares, where they are crossed by the Delta channels, should be a charge on the Delta Project, and that, in the case of new lines of road being led across the channels, the cost of bridges should be charged to Communications.

*Proceedings of the Madras Government, Public Works Department,  
14th February 1868.*

3. The transfer of funds proposed by the Superintending Engineer in paragraph 6 of his letter is recommended for the sanction of Government.

(Signed) J. C. ANDERSON, Lieut.-Colonel, R. E.,  
*Chief Engineer for Irrigation.*

29th January 1868.

No. 339.

ORDER THEREON, 14th February 1868, No. 515.

**IRRIGATION, No. 17.**

1. Agreeably to the recommendation of the Chief Engineer for Irrigation, the Government sanction the estimates of Rupees 13,350 for a channel eleven miles in length from the terminus of the eastern side channel of the Masulipatam Canal near the Ankumurroo Lock to Gokaveram.

2. The attention of the Superintending Engineer is drawn to paragraph 2 of Colonel Anderson's Memorandum. Colonel Winscom will report on the sufficiency or otherwise of the means to be provided for disposing of the surplus water from the tract of land referred to, and he will submit estimates for the bridges shown to be required on the road from Masulipatam to Hyderabad and from Masulipatam to Cowtrum.

3. The Government approve of the manner in which Colonel Anderson proposes to adjust the cost of bridges on existing thoroughfares, and on any new lines of road which may be led across the channels, and they sanction the transfer of funds proposed in paragraph 7 of the Superintending Engineer's letter.

(True Extract.)



Colonel, R. E.,  
*Secretary to Government.*

To the Superintending Engineer, 2nd Division.

- .. Revenue Department.
- .. Controller of Public Works Accounts.
- .. Accountant General.

Exd. F. R. Bantleman.

1868 Oct 10  
Tory Court St. 526

Proceeding by  
the P. & O. Co.

Patented 14<sup>th</sup> 27<sup>th</sup> 1874  
Dec 15<sup>th</sup> 7 1888

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