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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <u>1074</u>	Press
<u>367-868</u>	<u>Mis.</u>
Dated <u>22-4-</u>	<u>1865.</u>

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
22nd April 1865.*

No. 367. Read the following Proceedings of the Madras Government in the Revenue Department:—

Requesting the submission of an estimate for rendering complete the line of water communication between Vedar-niem and Negapatam, in Tanjore Dis-trict. .

(Here enter 11th April 1865, No. 790.)

No. 368. ORDER THEREON, 22nd April 1865, No. 1,074.

CIVIL WORKS, No. 65.

Communicated to the Superintending Engi-neer, 6th Division, in continuation of Procced-ings No. 919, dated 5th instant, and with a re-quest that the estimate called for may be submitted with as little delay as practicable.
(True Extract.)

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

To the Superintending Engineer, 6th Division.

Etd. S. T. Augustin.

30

*Proceedings of the Madras Government, Revenue Department,
11th April 1865.*

No. 164. Read the following Proceedings of the Board of Revenue, dated 3rd April 1865
No. 1,809.

Read the following letter from W. M. CADELL, Esq., Collector of Tanjore, to R. A. DAL-
YELL, Esq., Acting Secretary to the Board of Revenue, dated 18th March 1865,
No. 79:—

1. With reference to my letter of the 9th ultimo, No. 39, I beg herewith to forward copy of a report made to me by Mr. Ricketts, Deputy Collector in charge of the Salt Department, on the result of his inspection of the proposed water communication between Vedarniem and Negapatam, and in which inspection Mr. Ricketts was accompanied by the Department Public Works Officer in charge of the Range, Mr. Supervisor Bateman.

2. The Board will observe, that before the line of communication can be called thoroughly open much remains to be done, and if funds can by any possibility be provided, I would most strongly urge that no effort should be spared to complete the work. To render the line, however, navigable and open always, a liberal maintenance allowance will be also indispensably necessary.

3. I would only further mention that the attention of the Deputy Collector in charge of the Talook has been drawn to the practices complained of by Mr. Ricketts as existing in the channel called the Koduchuttiyar, and the former Officer has been directed to punish magisterially all parties who may be found committing such trespasses.

ENCLOSURE No. 1.

From E. G. RICKETTS, Esq., Deputy Collector, to W. M. CADELL, Esq., Collector of
Tanjore, dated Negapatam, 11th March 1865, No. 41.

1. Agreeably to the instructions conveyed in your letter, No. 18 of the 4th ultimo, I have the honor to inform you that I inspected the proposed water communication between Vedarniem and Negapatam, and after a minute investigation of the existing lines of natural and artificial navigation, as also of the capabilities of the several large surplus channels, (which form the connecting link between the Adapar and "Junction,") I see no obstruction that cannot be overcome, or have cause to entertain the slightest doubt why it should not be converted into a navigable canal to connect the southern navigation with the northern, or in other words, Vedarniem with Negapatam, by a through and direct communication, which is the desideratum as far as our salt revenue is concerned, and on which both the Government and the Board lay so great a stress; but a further outlay will be essentially requisite, the connecting link between the Adapar and the junction will have to be *deepened*, and in some portions *widened* embankments strengthened; and in fact this whole length nearly put "in train," before navigation can be declared, or even expected, perfect.

2. Again, that section between the Kaduviar and the Velliar, (or between Negapatam and Velanganni,) which Captain Mullins in his report states to be "always open," (and which is very true, but very shallow and not navigable by laden boats, except in the freshes and monsoon,) will require deepening.

3. I express myself thus generally, as this portion of the subject can be better treated in the Engineer Department, to whom must be entrusted the scientific details of the project.

4. The results of measurements in each mile are exhibited in the accompanying Statement together with such other information and general observations as I thought might prove useful.

5. It would perhaps be as well to add that, in the absence of roads or anything that can be converted into a road, nature has, as Captain Mullins observes in his report, "provided some compensation in the facilities which the low level country affords for water communication," and it would be a thousand pities not to profit by so valuable a hint, to say nothing of the saving that will be ultimately effected to Government in the export of salt from Vedarniem to Negapatam, and the wholesome effect such "competition" will have on the "combination" of the Negapatam Salt Mirassidars.

6. In conclusion, I would urge, that miles 23 and 24 be at once put in hand, to enable me to experiment on the general capabilities of the whole project, before the freshes of June and July of this year may be expected.

N. B.—The report which accompanied your letter under reply is herewith returned.

(True Copy.)

(Signed) W. M. CADELL, Collector.

Proceedings of the Madras Government, Revenue Department,
11th April 1865.

Enclosure No. 2

Num- ber of mile.	Average depth at low tide.	Name of canal, river, or surplus Channel.	Present state.	Requirements.	Remarks and general observation.
1	2' 9"	Vedarniem ca- nal.	Completed in good order.	A liberal annual main- tenance wanted.	Should this completed section be left to take care of itself, it will sadly deteriorate in time; a conservancy establishment, including planting, &c., is much required.
2	2' 6"				
3	2' 6"				
4	2' 6"				
5	2' 6"				
6	2' 6"				
7	2' 6"	Adapar river.	Perfect.	None.	Navigable at all seasons of the year.
8	2' 6"				
9	2' 6"				
10	2' 6"				
11	2' 6"				
12	2' 6"				
13	2' 6"	Kodichuttar.	Imperfect.	Deepening short lengths of the line to 2' 6" be- low the level of low wa- ter of ordinary springs. Do.	A very objectionable practice exists in constructing fences at right angles to the face of the stream in the large surplus channels between the Adapar and the junc- tion, made of reeds, staked down to the bed of the channel for the purpose of catch- ing fish; as also, in throwing mud banks in like manner across the channel to raise a head of water for irrigation purposes; both of which greatly tend to silt up the channel (proposed canal) above these obstructions, which ought to be free.
14	2' 6"				
15	2' 6"				
16	2' 6"				
17	2' 6"				
18	2' 6"				
19	2' 6"	Harrichandranadi.	Do.	Do.	The minor channels which surplus into this ought to be embanked with sluice let in, provided with shutters, otherwise the water in the canal will back up into them, and thus diminish the head of water in the canal. Banks want strengthening. Channel widening, &c. This should be done at once, and it can be very easily effected now, and I venture to say that ordinary river boats could bring down salt from Vedarniem to Nega- patam during the next freshes of July and August, provided the under tunnel for the Chaudrapadi is completed.
20	2' 6"				
21	2' 6"				
22	2' 6"				
23	2' 6"				
24	2' 6"				
25	3' 0"	Papan Vaikal ...	Do.	Excavating <i>de novo</i> and widening.	This section Captain Mullins reports as "always open," and which is very true, but very shallow, and not navigable for laden boats: I could not get up or down it at low tide though I tried twice in a boat only drawing from 6" to 9" of water with only the Range Officer and myself in it. During the freshes, and in the monsoon it would be navigable.
26	3' 0"				
27	3' 0"				
28	3' 0"				
29	3' 0"				
30	3' 0"				
31	3' 0"	The junction.	Good.	Removing "nootos" in bed of channel, and a liberal annual main- tenance. None.	
32	3' 0"				
33	3' 0"				
34	3' 0"				
35	3' 0"				
36	3' 0"				
37	3' 0"	Ramanaden Vaikal.	An obstruction and a bar to naviga- tion, very bad indeed.	Good dredging deepen- ing one yard.	
38	3' 0"				
39	3' 0"				
40	3' 0"				
41	3' 0"				
42	3' 0"				
43	3' 0"	The Vellar ...	Perfect.	Do. do. deepening one yard.	
44	3' 0"				
45	3' 0"				
46	3' 0"				
47	3' 0"				
48	3' 0"				
49	3' 0"	Vellar back-water.	Very imperfect, wide, but very shallow.	Do. do. deepening one yard.	
50	3' 0"				
51	3' 0"				
52	3' 0"				
53	3' 0"				
54	3' 0"				
55	3' 0"	Caduviar ...	Narrow and very shallow indeed.	Do. do. deepening one yard.	
56	3' 0"				
57	3' 0"				
58	3' 0"				
59	3' 0"				
60	3' 0"				

NEGAPATAM, 11th March 1865.

(True Copy.)

(Signed) E. G. RICKETTS, Deputy Collector.

Signed W. M. CADELL, Collector.

Proceedings of the Madras Government, Revenue Department,
11th April 1865.

1. The above letter and its enclosure will be submitted to Government for the issue of such orders in the Department Public Works as may seem proper.
2. The orders issued by Mr. Cadell will doubtless in some measure tend to prevent the silting up of that part of the proposed canal to which Mr. Ricketts draws attention. It is never-
theless clear that a further considerable outlay will have to be incurred before the canal can be
made available for the purposes for which it was intended.
3. In support of an immediate expenditure of such funds as can be made available, the
Board need only draw attention to the remarks made by His Excellency the Governor in his
Minute on his recent tour, on the subject of works already commenced but which cannot be
brought into use for want of further outlay.

No. 165.

ORDER THEREON, 11th April 1865, No. 790.

Miscellaneous.

Communicated to the Department Public Works in view to
an estimate of the cost, of rendering the line of communication
complete throughout, being obtained.

(True Extract.)

J. P. G. L.
Secretary to Government.

To the Public Works Department.

[Exd. S. T. Augustin.]

P. M. 1865 Defendant's
Pro. of George vs. George

Civil Action

Nov 10/74

Pro. of Court in the
Revenue Defendant's
Docket 1st 1st
Docket 1st 1st
Docket 1st 1st
Docket 1st 1st

Nov 10/74

Regarding the
enrollment of an
estate for taxation
completely the type of
water communication
between the
and the estate in
George's estate
Nov 10/74 - 22nd April/75
With an order

Cons. to the Judge

Supervisor 6th Ave. in con

termination of Power: No

219, dated 5th August 18

with a request that

the defendant should

be made to submit

with a little delay

as practicable

Sub. 8th George
22nd April/75

855618a

Nov 10/74 - 22nd April.