

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 1404

Press
Mis.

93. 94

Dated

5. 8. 1864.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
5th August 1864.*

No. 93. Read the following letter from Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Major J. H. M. SHAW STEWART, R. E., Deputy Secretary to Government, Public Works Department, dated Tanjore, 23rd July 1864,
No. 838:—

1 Abstract Estimate.
No. 539, dated 5th July 1864.

SIR,
1. In continuation of my letter as per margin, and with reference to Government Order No. 2,001, dated 11th July 1864, I have the honor to enclose an Estimate, amounting to Rupees 2,000, for extending the Salt Platform or Vadi No. III at Negapatam, southwards towards the Railway. This sum is entered in the Supplemental Budget of 1864-65, and though the intention was that the platform should reach the siding of the Railway to admit of facilities of transport, the amount available for this purpose is not sufficient, and the extension, if carried out on this Estimate, will still be 40 yards distant from the Railway.

2. I would, however, beg to bring to the notice of Government that this Estimate only provides for a portion of the work designed at this platform for the better transport of Salt, and that if another scheme now brought to my notice by Mr. Cadell, the Collector, is followed out for storing Salt near the Railway, the necessity for carrying out this Estimate does not arise.

3. In the Budget of Salt Works for 1864-65, drawn up by the Collector, a further sum of Rupees 3,000 was entered for a bridge across the Kodamoorty river to facilitate the transport of Salt from the Pans to the Vadi, but it was struck out in the Government Office.

4. In the Proceedings of the Board of Revenue, No. 2,982, dated 16th May 1864, copy of which was forwarded to me by the Collector, Mr. Cadell's proposals for improving the Negapatam works were considered judicious, and Estimates were required for the above bridge across the Kodamoorty river, a bank from the Railway to the bridge across to the Salt Pans, and for a tunnel across the channel which intersects the Pans, in addition to the one now enclosed, the aggregate amount of which Estimates was reckoned at Rupees 6,710, though this sum appears to me to be below the probable cost.

5. Mr. Cadell, in a conversation which I held with him a few days ago, informed me, further, that Mr. T. Clarke, Member of the Revenue Board, who is now on his tour in this District, proposes to establish a Salt Vadi on the south side of the Railway, in place of the present one, and which will be connected with the Railway, Salt Pans, and a large Vadi now in use a mile to the south, by means of a raised embankment or road. If these works which will involve considerable expenditure, are carried out, I see no necessity to extend the present platform at a cost of 2,000 Rupees.

6. As regards paragraph 3 of the above Government Order, the only explanation that Mr. Roberts can offer as regards the delay in submitting this Estimate, is contained in letters lately received, in which he states that if a simple Estimate for extending the earth-work of the Platform (which is all that I more than once called for) was only required, he could furnish it in a very short time; but that he was consulting with the Deputy Collector in charge of the Salt Department as regards a project for improving the communications in connection with the Salt Platform.

Referred to the Revenue Department with copy of Proceedings of Government in this Department, dated 11th July 1864, No. 2,001, and of Proceedings of Board of Revenue, dated 16th May 1864, No. 2,982.

CHEPAUK,
29th July 1864.

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government, P.W.D.

No. 94.

ORDER THEREON, 5th August 1864, No. 1,404.

Separate Revenue, No. 70.

Salt.

The Government will await Mr. T. Clarke's report on the works stated in paragraph 5 to be contemplated by that gentleman.

(True Extract.)

(Signed) C. G. MASTER,
Deputy Secretary to Government.

To the Public Works Department.
,, the Board of Revenue.
,, T. Clarke, Esq.

Rsd. S. T. Augustin.

*Proceedings of the Madras Government, Public Works Department,
11th July 1864.*

No. 180. Read the following letter from Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Tanjore, 5th July 1864, No. 589 :—

SIR,

1. In reply to Government Order No. 1,400, dated 13th May 1864, paragraph 7, directing the submission of certain Estimates in the several Divisions entered in the Budget of 1864-65, but which had not yet been formally sanctioned by Government, I have the honor to state that the following works appertain to my charge, as entered in the list attached to the above paragraph :—

District.	Item No. Budget of 1864-65.	Description of work.	Expenditure allowed in Bud- get of 1864-65.
Tanjore ...	46	Forming a new road direct from the Pans to the Vadi No. 3, near the Railway station to Negapatam...	RS. 2,000
Trichinopoly	S	Improvement to privies of Battery of Artillery to introduce the dry system ...	1,500
Do. ...	S	Do. of European Infantry Regiment ...	2,190
Do. ...	S	A Racket and Five's Court for Artillery ...	6,160
Do. ...	S	Apothecary's quarters for Artillery ...	3,800

The first Estimate in the Tanjore District, I regret to say, I cannot yet forward, but I shall submit it in two or three days. The delay has been occasioned by the inattention displayed to my orders by the Range Officer, Mr. H. Roberts.

2. I beg to enclose herewith the Estimates amounting to Rupees 1,500 and 2,190 for introducing the dry conservancy system into the privies of the Artillery and European detachments at Trichinopoly.

3. As regards the latter Estimates, it appears that they have already been submitted to Government, and sanctioned for entry in the Budget of 1864-65, but there is a discrepancy in the amount shown. In the late Superintending Engineer's letter* to your address, as per margin, embodied in Order No. 76, dated 8th January 1864, Military Department, and which was communicated in Public Works Order No. 143, dated 15th January 1864, to Lieutenant-Colonel Foord, Estimates for the Racket and Five's Court and Apothecary's quarters for the Artillery were sanctioned for entry in the current Budget. The amount of the former Estimate, however, was Rupees 10,580, and it is now shown in the Government list as Rupees 6,160, and I cannot account for the difference exhibited. Neither the Racket† Court nor the Five's‡ Court Estimate alone makes up this latter sum.

* Rupees 6,570.
† " 4,010.

No. 40 and 197, dated 7th and 30th June 1864.

4. I regret, with advertence to your Memoranda as per margin, that any delay should have occurred in replying to this Order, but I have already explained the cause as regards the Salt Vadi at Negapatam, and with reference to the Military buildings at Trichinopoly, the Estimates were originally prepared by the late District Engineer of Trichinopoly, and on drawing them out again in this Office discrepancies were observed which it has taken some time to adjust.

*Proceedings of the Madras Government, Public Works Department,
11th July 1864.*

No. 181. ORDER THEREON, 11th July 1864, No. 2,001.

1. The Estimates referred to in paragraph 2 will be referred to the Military Department.
2. With reference to paragraph 3, the Superintending Engineer is authorized to proceed with the works noted in the margin, from the sums allotted for them in the Budget for the current year.
3. Mr. Roberts should be called upon to submit full explanation of his inattention to orders as reported in paragraph 1.

Racket and Five's Count for the Artillery at
Trichinopoly.
Apothecary's quarters for do. at do.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government.

To the Superintending Engineer, 6th Division.

- Accountant General
- Controller and Auditor of Public Works Accounts.
- Military Department, with 2 Estimates.

Recd. 1987/24

1864-74
O. H. H. H.

Exd. S. T. Augustin.

No. 2,982.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 16th May 1864.

Read the following letter from the Collector of Tanjore, dated Vellam, 28th April 1864,
No. 128:—

1. I have the honor to submit the following reply to the Proceedings of the Board of the 7th instant, No. 2,067.

2. From the enclosed statement showing the out-turn of salt in the several divisions in this district for the past ten years, it will be seen that, as regards the extent of the manufacture, Negapatam is second in importance only to Adrampatam, and is before all the other divisions; and further, as shown in my letter of the 15th ultimo, No. 78, it possesses capabilities, under proper encouragement, of producing a quantity equal to twice the amount of the largest sales which have yet taken place.

3. With regard to the quality of the salt it is doubtless inferior to that made at other places, but it is by no means unwholesome, nor do the traders offer any objections thereto, and with the improvements it has latterly undergone, it is quite as much in request as any other salt produced in the district. The question of cost is one which concerns only the Mirassidars, but with the increased Kudivaram lately sanctioned, and the facilities now proposed to be given for transporting and storing the salt, the manufacture will, I conceive, become not only remunerative, but the out-turn will be largely increased.

4. I am by no means prepared to say that Negapatam should be looked to as the only source of supply for the salt trade by railway, and on the contrary I have every hope that Vedarniem will become a most essential auxiliary in replenishing and keeping up our stock at the railway terminus; but under existing circumstances, and until the canal to Vedarniem is completed and in thorough working order, it is, I think, utterly hopeless to expect that Vedarniem can at once take the place of Negapatam unless indeed the Government are prepared to bring salt from the former place at a price which, together with its prime cost, would come to nearly double the amount for what it can be made on the spot, or unless an equivalent in the shape of discount is allowed.

5. Even when the canal is fully opened, it remains to be seen whether the cost of transport will be so far reduced as to induce merchants (without the stimulus of a special discount) to bring up the Vedarniem salt to Negapatam. When the water communication is fully open, I have no doubt that this will be effected; but it must not be lost sight of that this inland communication is to some extent at least only a connexion of existing links, and some of which in a dry season like the present would not be by any means navigable throughout the year. In my judgment it will be some time before this line of communication is fairly and fully open, and unless it is carefully and sedulously looked after, and annual provision made for its maintenance, I fear it will soon be silted up. Further, with reference to the bringing up the salt from Vedarniem, I would take leave to point out that during the past season and during the continuance of the special discount of Rupees 20 per garce only 340 garces were brought up from Vedarniem to Negapatam, while during the same period 1,370 garces of Negapatam salt were purchased on the spot.

6. For these reasons it seems to me sufficiently clear that, at least for some time to come, Negapatam must continue more or less one of our principal manufacturing stations, and if the Board are prepared to admit this, I would, with reference to their order contained in the concluding part of their Proceedings under acknowledgment, beg to submit the following proposals for facilitating the manufacture of and storing salt at that station.

7. I beg to annex a rough-hand sketch showing the position of the pans at Negapatam. From this it will be at once seen that the difficulty is to get the salt manufactured in the beds to

Platform No. 3, and which is now by far the most important of the places of storage. Hitherto the practice has been to bring the salt when manufactured by means of boats in the line marked O, P, Q, R. This however can only be done when there is sufficient water in the rivers, and such is generally not the case during the whole of the months in which the manufacture is carried on. The consequence is that the salt has to be temporarily stored near the pans, till the occurrence of a high fresh or the setting in of the north-east monsoon enables the boats to come near enough to the pans. The serious inconvenience and great expense to which the Mirassidars are thus put from the entire want of suitable means of transport are, I think, sufficiently obvious, and I may add that, while I am now writing, and although we have between 400 and 500 garces of salt manufactured at Negapatam, our sales at that station, as also the traffic inland by railway, are almost at a stand still, simply because the salt cannot be brought to the platforms.

8. To obviate these inconveniences, I beg to propose the following works with an approximate estimate of their cost:—

	Rupees.
I. Extending Platform No. 3 to the railway	1,600
II. Constructing a bank from railway to the river Kcdamuriti, 156 yards.	200
III. Wooden bridge over the Kudamuriti	1,500
IV. Raising a bank through the centre of the pans B, C.	3,000
V. Constructing a tunnel over a channel which intersects the pans	350
Total	6,710

The first work has already been sanctioned by Government out of funds available for the current year.

For the remaining works, aggregating Rupees 5,050, a sum of Rupees 2,750 is available out of grants made in the Public Works Budget of the coming year (1864-65,) viz., Rupees 2,000 for the bank to be raised from the pans to the platforms, and Rupees 750 for the extension of the platform, which latter item is rendered unnecessary by a separate estimate of Rupees 1,600 having been sanctioned out of funds available for this year as stated above.

9. If the works above proposed be now carried out, the conveyance of salt from the pans to the platforms can be proceeded with at once, and can be carried out throughout the season. Hereafter it may be found advisable to run a light line of rails on the top of the proposed embankment, and which might be carried right into the centre of the platform by a moveable crossing.

10. I would further take this opportunity of stating, and with reference to what has been said in a previous paragraph, that the wishes of the Board in bringing up salt from Vedarniem to Negapatam have been attended to, and I am urging on Mr. Ricketts the necessity of more activity on the part of the Contractor. Unfortunately, however, the prejudice which is still endeavoured to be kept up against the Vedarniem salt is still very strong, and fostered as it has been by interested parties, it will be some time before it is entirely got over. It has occurred to me that a good means of endeavouring to remove this prejudice would be to have the spontaneous and manufactured salt separately analyzed, and a statement of the respective ingredients printed in Tamil and distributed at the railway stations, fairs, and other places of public resort.

11. If the Board approve of the suggestions I have now made, I would beg earnestly to recommend that the execution of their works should be left to this department. I feel sure that Captain Bean, short-handed as his department now is, will gladly accede to this proposal; and if the works are entrusted to the Deputy Collector, Mr. Ricketts, I think the Board and the Government will have a guarantee that they will be well and speedily executed. I have already, at Captain Bean's request, undertaken and carried out several portions of the Vedarniem canal, and as I shall be myself again shortly at Negapatam, I shall be glad to do every thing in my power to push on these more important, nay indispensable works with all possible vigour.

ENCLOSURE No. 1.

STATEMENT showing the out-turn of Salt in each Division in the District of Tanjore during the past ten years.

YEARS.	Naidava-sal.	Nega-patam.	Vedar-niem.	Adram-patam.	Senda-lai.	Arasana-gari.	Total.
	Garce.	Garce.	Garce.	Garce.	Garce.	Garce.	Garce.
1854.....	964	1,110	280	3,289	1,589	895	8,077
1855.....	1,220	1,612	100	2,799	693	937	7,361
1856.....	170	535	585	1,079	330	244	3,243
1857.....	1,028	1,077	113	2,243	473	722	5,656
1858.....	445	114		1,757	360	250	2,926
1859.....	158	349	369	109	122	138	1,245
1860.....	1,883	1,306	1,240	4,369	1,935	990	11,823
1861.....	960	1,469	164	680	701	442	4,416
1862.....	286	1,040	296	2,073	458	898	5,051
1863.....	342	649	1,241	34		471	2,737
Total.....	7,456	9,261	4,438	18,432	6,661	6,287	52,535
Average.....	745	926	493	1,843	740	629	5,376

VELLUM, 28th April 1864.

(Signed) W. M. CADELL, Collector.

ENCLOSURE No. 2.—Sketch.

1. The Board have no expectation that Vedarniem can at once take the place of Negapatam as a source of supply for salt to be carried inland by the rail, nor have they any hesitation in admitting that Negapatam must always be an important manufacturing station, although they do not consider that the returns of the last ten years will at all illustrate the future relative position of these two places of manufacture when the water communication shall be opened out and the railway extended.

2. It must of course be the first object of the local officers to manufacture for Government the largest possible quantity of good salt out of the required quantity, at the cheapest rate, and the Board confidently expect that superior Vedarniem salt will eventually be laid down at Negapatam at considerably less cost to Government than the price now paid at the increased rate of Kudivarum for Negapatam salt. The Board trust that the local officers insist upon good salt at Negapatam for the present comparatively large price paid. Bad salt should be thrown back into the pans.

3. Mr. Cadell's proposals for improvements at Negapatam seem judicious, and the Board request him to take the necessary steps for their execution. They doubt not that Captain Bean will gladly avail himself of Mr. Ricketts's assistance in carrying them out so far as funds are available.

(True Copies and Extract.)

(Signed) W. HUDLESTON,
Secretary.

To W. M. Cadell, Esq., Collector of Tanjore.

Exd. J. Wright.

Revenue General

Abstract Estimate do 7/14/55

Tanjur District.

Negapatam Taluk.

Limits of Negapatam.

Work. Extending Vadi do 3 Southward, in the direction of the Railway siding.

Quanty.	Description of work.	Rate	Amount	Amount of Cash part.
23846 1/2	Cubic yards of Earth work per day	" 13	1863	" 3
1192	Sq. yds of Surfing to side slopes	" " 6	374	"
304	Linear yard of planting Shaluy at foot of slopes 1/2 Lt yds	" " 6	98	"
	Sundries and Contingencies.		9039	
	Total Estimate Proper.			2,000 00

H^o Branch Office.
Negapatam
23rd July/55.

A. Roberts.
Asst^o Eng^r & S. M.

Supr Engr's Office budm
Tanjore 23rd July 1864

Heav Capt. R. E.
Offr. Supr Engineer budm.

1864.

Department.

Rev. 1981/54

No.

PROCEEDINGS OF THE BOARD OF REVENUE

Dated 16th May 1864.

No. 2982.

Remarking on the manufacture of Salt at Vadaraiem and Negapatam approving the proposals for improvements at Negapatam and requesting to take the necessary steps for their execution.

D. J. Nicholas 11/11
Q. M. 11/11
1843-94

W. 1406
 The Govt will await Mr G
 L. Larke's report on the works stated
 in para 5 to be contemplated by
 that gentleman.

Fort St. George
 5th Aug. 1868
 3/6

JAS

29 Aug

- 2. PW Dept Imp. & Exp.
- 4. Board of Rev.
- 1. J. C. Clarke Esq.

50
 5

Enclosed in a letter
 from the Capt. Comd.
 the 2nd Lt. 838 dated
 23rd July 1868

Rev. 1981/64
 2000 2000/116

Col. Smith for the
 Rev. Mr. Smith
 Rev. Mr. Smith
 Rev. Mr. Smith

11th July 1881 1881-2001

Reported to me

Reference Department with

Copy of Proceedings of Govt

in the Dept of H. July 1881

2001-2 of 1881 of 1881 and of

Revenue of 16: May 1881-2001

Michael Newman

Copy to Govt

Chapman

1893-94

1893-94

1881-2001
1881-2001
1881-2001
1881-2001

The High Commission
in 1881

The High Commission
in 1881

Dated 23rd July 1881
Recd 1881
1881-2001

Enclosure 1881

1881-2001

Forwarding for another

on 1881-2001

for 1881-2001

from 1881-2001

of 1881-2001

other 1881-2001

connected with 1881-2001

with 1881-2001