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(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 568 Press Mis.

471-672.

Dated 26-3-1862.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 26th March 1862.

No. 471. Read the following Proceedings of the Board of Revenue, dated 12th February 1862, No. 983.

Read the following letter from J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, Chepauk, dated Anamasamudram, 30th January 1862, No. 17:—

SIR,

1. I have the honor to acknowledge the receipt of the Proceedings of the Board of Revenue, dated 20th ultimo, No. 7,138, forwarding the orders of Government under date the 18th idem, and directing the submission of the explanations called for by the Secretary of State in his Despatch, No. 49, dated 9th November 1861, paragraph 3.

2. The Secretary of State observes, that he does not find from the letters, &c., which accompanied the Despatch of the Honorable the Governor in Council, Fort Saint George, No. 65 of 1861, that the project of an irrigation Canal from Nellore to Kistnapatam has been reported on by the Collector of the District. Whilst in the 2nd and 3rd paragraphs of the letter from the Acting District Engineer, of the 2nd April, that Officer notifies having failed to obtain from the Collector either the "further information called for," or the return of a sketch map previously forwarded, an apparent neglect on the part of the Collector which required explanation.

3. In reply I beg to submit copy of my letter to the Acting District Engineer of the 27th August 1860, No. 232, which the Board will observe gave the information referred to by the Secretary of State, and estimated the gross increase to be expected by the Canal at Rupees 33,000. The receipt of this letter was acknowledged by the Acting District Engineer, and by him was forwarded to the Central Office at Madras, as acknowledged by Colonel Lawford in his letter, No. 4,878, of the 18th September 1860, copy of which I received through the Acting District Engineer, and copy of which I now enclose.

4. When first called on for information, I informed the District Engineer, under date the 26th July 1860, in reply to his letters of the 3rd and 4th idem, that I was wholly unable to form any estimate from the information I then had before me. The District Engineer had calculated the area to be commanded by the Canal, and had calculated it at 11 or 12,000 acres; but this area was scattered over 21 villages, and 5 of these were Inám villages, to the accounts of which I had no access, and of the irrigation of which I was wholly ignorant. Under these circumstances it was necessary that a rough survey should be made to ascertain what portion of the 11,000 acres was Inám land, and what portion of this portion was already irrigated. And this survey I then requested might be made.

5. The information I required having been furnished on the 11th August 1860, my letter of the 27th August, already referred to, contained such rough estimate as I was able to form thereon. And the Deputy Chief Engineer, Colonel Lawford, in acknowledging under date 18th September 1860, the receipt of this letter, having further called for information as to the value of the land to be taken up by the Channel, on the 28th idem, I requested to be favored with the more accurate survey of the villages which had been, I understood, called for by the Chief Engineer. With reference to a Memorandum drawn up by the Acting District Engineer on Delta irrigation, I also requested to be furnished with fuller details as to the several reservoirs through which he would propose that the additional area should be irrigated.

6. The survey asked for in my letter of the 28th September 1860, was never received. And in returning the sketch map of the Canal, which the Secretary of State notices, that the Acting District Engineer had frequently applied for, I observed that, when there was nothing to show even to what extent the Canal would pass through occupied land, and still less through

what occupied land, it was almost absurd to give any surmise as to what would be the cost of the land to be taken up. However I did form an estimate so far as averages went, of what might be the extent of occupied land in the line, and its value; and copy of this letter* also, I beg to enclose.

* No. 133, dated 2nd April 1861.

† The "further information" I presume referred to by the Acting District Engineer.

7. Colonel Lawford further asked for more detailed statements of the expected returns† both as regards the lands held at the ordinary rates of assessment, and the Inám lands; but this without a survey, such as I understood had been called for by the Chief Engineer, it was impossible for me to give; and I made no attempt to give it.

8. In conclusion, I beg to refer to the remarks of the Secretary of State in paragraph 4 of the Despatch under reference, with regard to roads. The Secretary of State observes that the roads leading from the interior are reported by Colonel Horsley to be in fair order to Kistnapatam, with the exception of that portion of the northern Trunk Road No. 6, which lies between Nellore and Guduru.

9. I do not know what reports may have been received by Colonel Horsley on this subject, but it is my duty to state that the impression received by the Secretary of State is wholly erroneous, and that the main lines leading from the interior are wholly out of order, and the line from Kistnapatam to the port is across a swamp which will require a large outlay yet, before the road is *safe*.

10. One of the main lines from the interior alluded to is, I presume, the road from the Dorenall Pass, by which the Cuddapah Cotton is brought down to Nellore. A considerable sum of money has been laid out on this road; and, prior to the floods of 1857-58, it was, I believe, in tolerable order for the first 18 miles after leaving Nellore; but no regard having been had to the fact, that this part of the country is liable to be submerged by the Pennair, the heavy floods of 1857-58 swept away the greater portion of what had been done; whilst east of Sungum it is in many places difficult to trace the road except on the map.

11. Again, taking Trunk Road No. 6, north of Nellore, to be another of the roads leading from the interior, reported by Colonel Horsley as in fair order, it is simply necessary for me to state that I have just sanctioned for the current and coming year, a sum of 10,000 Rupees out of the Local funds, because this road has been so cut up as to be barely passable for a loaded bandy. A new line has been traced for this Trunk Road; and on this new line the maintenance allowance is expended. But in consequence of the Mungamuru basin difficulty* the through traffic which should come down the new line, still travels on the old line, which has been made over to the Local funds, and compels me to draw on these funds to the amount above stated, after placing the road, as may be inferred, in a condition very different to the description given of it by the Chief Engineer.

* Reported to Government under date the 10th December 1861, No. 53.

From J. W. B. DYKES, Esq., Collector of Nellore, to Captain T. GREENAWAY, Acting District Engineer, dated Nellore, 27th August 1860, No. 232.

SIR,

1. With reference to your letter of the 11th instant, giving me the results of the inspection which you have kindly had made at my request, of the land under the proposed Kistnapatam Canal, for which irrigation has been already provided, I have the honor now to annex an estimate showing the increase in the Revenue that might be expected from the additional land that would be brought under occupation and irrigation by its construction.

2. Estimate of the increase in the Land Revenue to be expected from the construction of the proposed Canal to Kistnapatam. Total Ayakut of the 13 Government villages that would be irrigated, exclusive of the land for which irrigation has already been provided.

	Acres.	Rs.	A.	P.
Land available for dry cultivation.....	2,581	3,905	12	10
Pasture lands. The assessment for dry cultivation, being an estimate.....	5,754	10,317	5	9
	8,335	14,223	2	7

Supposing the area capable of being brought under irrigation by the new Channel to Kistnapatam to be 7,970 acres, as estimated by the Acting District Engineer then

	Acres.	Rs.	A.	P.
At the rate given above.....	7,970	13,392	0	0
The water-rate at 3 Rupees per acre.....		23,910	0	0
Gross increase.....		37,302	0	0

Deduct	Acres.	Rs.			
Dry lands in occupation...	1,697	2,006			
Pullari or grazing tax as paid for 1859-60 on the pasture lands.....		2,246			
			4,252	0	0
Net increase.....			33,050	0	0

3. From its not being possible, when no survey has been made, to apportion the irrigable area, either as regards the 13 Government villages respectively, or as regards the Government and Shrótrium villages, it is of course impossible to show either what would be the precise amount of assessment according to the village rates on the land that would be newly brought under occupation, by its being made irrigable in the Government villages; or how much of this land would fall in the Shrótrium villages, and so not be liable for dry assessment at all. And as I have roughly and erroneously supposed the whole irrigable area to be found within the 13 Government villages, and have then simply deducted the assessment at present paid on dry cultivation and collections under the head of Pullari, so far my estimate is too high. But on the other hand it is quite probable that the whole of the area now in occupation would not have to be deducted; whilst every increase in the area under irrigation inevitably involves an increase in dry cultivation. If there is not space in the irrigated villages where the increase takes place, the area under dry cultivation in the neighbouring villages will inevitably spread to meet the increased demand for food for man and beast on the new wet cultivation. And any excess that may be found under the head of the estimate for the ordinary dry crop assessment, on the land to be newly brought under occupation for irrigation, will be amply balanced by the assessment on the dry land that will be simultaneously brought under occupation, whether to be ploughed up for *bonâ fide* dry crops, or used exclusively for pasture.

4. For the water-rate I have taken the rate fixed for the Delta of the Godavery. And if the requisite supply is forthcoming, after the experience of the Godavery Delta, I feel no hesitation in asserting that in due course the whole of the land will be taken up, and that the total area irrigable may be looked on as so much certain irrigation.

5. The estimate net increase thus calculated rises to Rupees 33,050, from which of course must be deducted the probable cost of Establishment, &c., per annum, to show the actual net profits to be expected with reference to outlay, which will doubtless be looked to by yourself. And I need only add, that the estimated increase of Rupees 33,050 on the land Revenue from the area to be irrigated, gives but a very inadequate idea of what would be the actual gain to Government by the proposed Canal.

6. The backwater at Kistnapatam is much frequented by small coasting vessels, that, with the aid of the Canal, might be easily brought up to Nellore. Nellore would thus in reality become a sea port. The effect of this on the cultivation in the valley of the Pennair may be easily conceived. And I fully believe that the value of the proposed work to Government, as a Canal, would bear a very favorable comparison with the direct returns to be obtained from it as a new Channel of irrigation.

(True Copy.)

(Signed) J. W. B. DYKES, *Collector.*

From Captain T. GREENAWAY, Acting District Engineer, Nellore, to J. W. B. DYKES, Esq., Collector of Nellore, dated 22nd September 1860, No. 1,933.

SIR,

I have the honor to forward a copy of a letter from the Deputy Chief Engineer, requesting further information on certain Revenue points connected with the proposed Kistnapatam Canal and value of the land proposed to be taken up, and shall feel greatly obliged by your favoring me with your reply at your earliest convenience. The total land which will be taken up for the works will be 339 acres, viz., 230 for the main Canal and 109 for the branch Channels, and it will make no difference in this amount whether the Canal is for irrigation only, or for navigation and irrigation combined.

From Lieutenant-Colonel E. LAWFORD, Deputy Chief Engineer, Central Circle, to the District Engineer, Nellore, dated Chepauk, 18th September 1860, No. 4,878.

SIR,

1. Referring to your letters of the 3rd and 6th September 1860, I have the honor to request that you will be good enough to prepare and forward, as soon as possible, a careful survey of the villages to be watered by the proposed Channel from Nellore to Kistnapatam, and to obtain from the Collector a more detailed statement of the expected returns.

2. You have, it is observed, made no allowance for the value of land to be taken up by the Channel, nor is there any statement of the Inám or Shrótrium lands which may be benefited by the Channel. This should certainly be submitted.

3. Agreeably to the orders of the Secretary of State, your estimate should show distinctly and separately the cost of the works if designed solely for irrigation, and as combining both navigation and irrigation.

(True Copy.)

Signed T. GREENAWAY, Captain,
Acting District Engineer, Nellore.

(True Copies.)

(Signed) J. W. B. DYKES, *Collector.*

From J. W. B. DYKES, Esq., Collector of Nellore, to Captain T. GREENAWAY, Acting District Engineer, Nellore, dated Kistnapatam, 2nd April 1861, No. 133.

SIR,

1. I have the honor to acknowledge the receipt of your letter of the 23rd ultimo, and return herewith the sketch map of the Kistnapatam Canal.

2. When there is nothing to show even to what extent the Canal will pass through occupied land, and still less through what land occupied, it seems almost absurd to give any surmise as to what would be the cost of the land to be taken up. But as far as averages go, it is in my

power to form a sort of estimate; and taking the proportion of occupied to unoccupied, and of wet to dry, in the two Táluqs in which the Canal will lie, and the average values assigned to these two descriptions of land for the Sarvapalli new cut, I would estimate the cost of the land to be taken up at Rupees 7,587.

(True Copy.)

(Signed) J. W. B. DYKES, *Collector.*

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1. Ordered to be submitted for the information of Government, with reference to their Proceedings quoted by the Collector who has, in the Board's opinion, fully exonerated himself from the imputation of neglect in the matter in question.

2. The Board beg leave to draw the attention of Government to the state of the roads in the District leading from the interior to the Coast, and described by the Collector as in very bad order.

(True Copies and Extract.)

(Signed) W. HUDLESTON, *Secretary.*

No. 472. ORDER THEREON, 26th March 1862, No. 568.

1. The explanation furnished by Mr. Dykes with the above Proceedings of the Board of Revenue will be communicated to the Secretary of State.

2. With reference to the remarks on the state of the roads it is necessary to observe, that Colonel Horsley has explained that it was his intention to refer to their condition during the dry season, and that as considerable sums were being expended from Local funds as well as from Imperial grants, their gradual improvement might be looked for. His remarks too had particular reference to the connection of Nellore with Kistnapatam, to which place it has long been proposed to extend the Eastern Coast Canal, and as the road is for the most part in fair order, the produce which reaches Nellore, and which by the Traffic Returns furnished by the District Engineer is considerable, could be conveyed along it for shipment, not at the Port but on the Canal boats for conveyance to Madras.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Secretary to Government.

No. 568.

Public Works Department

Proceedings of the Madras Government

Under date the 26th March 1862.

Read the following

Proceedings of the Board of Revenue

Submitting for information a letter from the Collector of Vellore explaining certain remarks of the Secretary of State for India regarding the project of an Irrigation Canal from Vellore to Krishnapatam

Store Order 12th Feb.y 62 No. 983.

The explanation furnished by Mr. Dykes with the above Proceedings of the Board of Revenue will be communicated to the Secretary of State.

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furnished by the District
Engineer is considerable),
could be conveyed along it
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the
the Port but on the Canal
boats for conveyance to
Madras.

13 Copies
To
The Board of Revenue Disp. 27
13 " Sych Despatch Circle

K.87.

Relating to certain roads in Kellone

Kerry

With reference to para 8 of the letter from the Collector of Kellone enbodied in the Proceedings of the Board of Revenue dated 12th July 1862 No 983, it is observed that the report alluded to by the Secretary of State for India in his despatch of the 9th November 1861 Para 4 has drafted by Lieut Randall whose authority for saying that the roads leading from the interior to Kistnapatam have been in good order cannot be traced -

The three letters on which the draft has been herewith enclosed for the Chief Secretary perused

Jan Nos 19502. 19294-
18504-

215 March

It has also been considered desirable to forward the letter from the District Engineer of Kilkee submitting the Estimate of £34.700 referred to in para 8 of the draft and noticed by the Secretary of State in the despatch above mentioned—

This Estimate has sanctioned by Government in their notice of the 26th June 1861, as appears in the letter from this Office included in the Remarks of Government dated 28th January 1862 No 68—

15 March

Genl Ltr 16/95

P.W.C. No 542 of 62

Mem

Mr Lyles having referred to me by name in the letter under consideration, and called in question my observations regarding the Roads in Kilkee it is necessary for me to state that my remarks had reference to the improvements which were being gradually made by the expenditure of considerable sums from Imperial Grants and Local Funds, and which to a certain extent, were indicated by the considerable traffic which appeared in the Returns furnished by the District Engineer. The Road from Gudus

Gudur to Sugurázpatam
is very passable, ~~in the dry season~~, as is ~~that~~ also
~~the greater part of the~~
from Nellore to Kistnapatam,
and the District Engineer
has described the Trunk
Road between Nellore and
Madras as good with the
exception of the portion
near Gudur, for which
he furnished Estimates,
while large sums were
laid out during the famine
year on lines leading
from the Cuddapah
District & which, it had been
represented, chiefly required
bridges to make them
passable during the
monsoon. The Trunk line
North of Nellore has never,
that I know of, been re-
presented as good, and is
cannot

cannot be considered as
one leading from the
interior. My remarks
were, however, more es-
pecially intended to refer to
the Road between Nellore
and Kistnapatam to shew
that by the completion
of the Eastern Coast Canal
to that place, the produce
which now comes through
Nellore and proceeds along
the Trunk Road to Madras
might be brought to Kistna-
patam and be shipped,
not at the Port as Mr Dykes
supposes, but on board the
Canal Boats for conveyance
to Madras.

W. P.

Copy with a D. No. 5.
dy 28th March 1862. No. 25.

Memo.

Relative to certain roads in Nellore.

Public Works 1862 Dept.
Pro: of Govt for March

No. 568.

Pro: of the Madras Govt
D/ 26th March/62

Ordering to communicate to Home Govt Copy of a letter from the Collector of Nellore with reference to certain remarks of the Secy of State for India regarding the project of an Irrigation Canal from Nellore to Elisnapatam.

No. 471 & 472

215 March 1862