M.R.O. 1—77,006—8-6-37.

(1) Number of pages 1/2

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 3002. Press / Mis.

491-492.

Dated 28-11- 1871.

Not to be folded or roughly handled

No. 491. Read the following letter from the Superintending Engineer, 2nd Division, to the Secretary to Government, Public Works Department, dated Masulipatam, 28th October 1871, No. 97:—

In reply to G. O., No. 2,562, 9th instant, I have the honour to observe that the young men who came up from the Civil Engineering College to survey the roads were quite unable to do so alone. In some cases they did not even know the practical adjustments of their instruments. The small allotments for preliminary examinations were therefore wasted, and I was obliged to employ the Overseers when they could be spared from their regular duty.

2. The field work of the Kistna project is now well advanced, and I hope to be able to put Surveyors on the roads next season. It must, however, be remembered that the salt lines are all in the low, swampy part of the district, and may be much affected by the means used for drainage, which is still under consideration.

3. For example, the bridge mentioned in paragraph 28 of Mr. Boswell's letter. The point at which it is to be built is nearly the head of a creek, running into the Nizampatam backwater. I know of no means of checking the shoaling of the latter, which receives the deposit of many square miles.

4. The creek itself is fordable during most part of the day; if we deepen it so as to allow boats to pass up, the bridge proposed by Mr. Boswell will either bar their progress, or must be enlarged very much. The levels taken during the last dry season lead us to think that this creek will afford a good outlet for a large quantity of the drainage. It is probable, therefore, that we must considerably enlarge the creek and build a bigger bridge.

5. I submit that, under existing financial circumstances, it is better to leave the creek fordable, (boats will take in their cargo at the new wharf which is below this point,) and to defer the building of a bridge which would only be necessary if the creek were cleared.

6. I am at a loss to understand the remarks of the Board of Revenue regarding my action. Mr. Boswell complains, and with justice, that there are no roads; the Board urge that they have deteriorated through my neglect. They have overlooked the mention in Mr. Boswell's paragraph 10 of the sanction accorded by Government in Order No. 109, 17th November 1870, to an estimate for the masonry works urgently demanded on the road from Bantumilly to Argole, and fail to make any distinction between sanction and allotment of funds; the estimate was really sanctioned in No. 299 of 2nd February 1867.

7. This is the only line that makes any pretence to be a salt road; it is merely a bank of black cotton soil, badly drained, (as is the whole country through which it runs,) and utterly impassable in wet weather; the maintenance allotment, Rupees 1,440, is expended each year in repairing breaches, restoring section, etc.

8. In justice to myself I must urge, that the support of the Board and approval of Government are of no service to me unless I am also supplied with money. I can have no object in delaying *road* work at any rate, for I am obliged to maintain a boat for the canals, horses for the upland tracts, and bearers over the delta.

9. Estimates for the roads from Manganapudi to Masulipatam and Pedana were forwarded to the Collector on the 24th August last.

10. The canal to Manganapudi cannot be executed for the amount, Rupees 61,720, sanctioned in G. O., No. 515, of 23rd February 1865; we cannot at present

supply the quantity of water necessary either for it or for the Kona canal, till our head works are in better order.

11. The late Executive Engineer, 7th Range, submitted a project for digging a channel, 4½ miles long, through the sand ridge from Peddapatam; it was costly both to construct and maintain. Captain Smalley reported (as I understood in communication with the Salt Department) that there was an abundant supply from the brine pits, and no pressing necessity for any work; the intervention of this Department is not, I presume, required for the excavation of a moat, which is generally done by the Salt Officers.

12. I informed Mr. Boswell long ago that I proposed to forward, for his consideration, estimates for both lines from Nizampatam to Bapetla (paragraph 27), that recommended by him over the muddy tidal Motada ferry, and that by Allur which I preferred, as we could bridge the Nizampatam canal at the lock about quarter of a mile above the ferry. I have inspected a great part of both, so far as I could pass on horseback with some difficulty.

13. In conclusion I would remark that freer communication would, in my humble opinion, be more advantageous to both departments.

14. In his report for 1869-70 Mr. Boswell urged the necessity for opening the Kotteru salt creek, the mouth of which was closed in 1864; no reference was made to me, but more than one defined project was examined by the subordinates of the 7th Range on requisitions made directly to them.

15. I pointed out personally to the Salt Superintendent how I thought a supply could be procured from the Peddapatam mouth, and it appears from paragraph 8 that he succeeded in carrying it out, but not, I believe, till the Board had in their Proceedings No. 5,202 of 6th August 1870, paragraph 9, expressed their disapproval of the expenditure on the Kotteru.

No. 492. ORDER THEREON, 28th November 1871, No. 3,002.

CIVIL WORKS, No. 31.

COMMUNICATED to the Board of Revenue with reference to their Proceedings dated 14th August 1871, No. 3,428. The Superintending Engineer will report the names of the students from the Civil Engineering College who are referred to in the first paragraph of his letter.

(True Extract.)

Colonel, R.E,
Secretary to Government.

To the Board of Revenue.
,, Revenue Department.
,, Superintending Engineer, 2nd Division.
,, Chief Engineer for Irrigation.

Exd. S. T. Augustin.

No. 97

Superintending Engineer's Office
2nd Division Guntur
28th October 1871.

From

Colonel T. J. Doherty R.E.
Superintending Engineer 2nd Division

To

Colonel J. Carpendale R.E.
Secretary to Government
Public Works Department.

Sir,

In reply to G.O. No. 2562. 9 instant I have the honor to observe that the young men who came up from the Civil Engineering College to survey the roads, were quite unable to do so alone. In some cases they did not even know the practical adjustments of their instruments. The small allotments for preliminary examinations were therefore wasted, and I was obliged to employ the Overseers when they could be spared from their regular duty.

2. The field work of the Kistna project is now well advanced, and I hope to be able to put surveyors on the roads next season. It must however be remembered that the salt lines are all in the low swampy parts of the district, and may be much affected by the means used for drainage which is

8. In justice to myself I must urge that the support of the Board and approval of Government are of no service to me unless I am also supplied with money. I can have no object in delaying road work at any rate, for, I am obliged to maintain a boat for the Canals, horses for the upland tracts, and bearers over the deltas.

9. Estimates for the roads from Mangenapudi to Vasulipatam and Pedana were forwarded to the Collector on the 24 August last.

10. The Canal to Mangenapudi cannot be executed for the amount Rs 61720 sanctioned in G.O. No. 515 of 23 February 1870; we cannot at present supply the quantity of water necessary either for it or the Kona Canal, till our head works are in better order.

11. The late Executive Engineer 7th range submitted a project for digging a channel 4½ miles long through the sand ridge from Peddapatam; it was costly both to construct and maintain. Captain Smalley reported (as I understood it) in communication with the Salt Department that there was an abundant supply from the brine pits, and no pressing necessity for any work - the intervention of this Department is not, I presume, required for the excavation of a moat which is generally done by the salt officers.

12. I informed Mr. Boswell long ago that I proposed to forward for his consideration estimates for both lines from Nizampatam to Bapetla, (para 27) that recommended by him over the muddy tidal Motada ferry, and that by Allur which I preferred, as we could bridge the Nizampatam Canal at the lock about ¼ mile above the ferry. I have inspected a great part of both, so far as I could pass on horse back with some difficulty.

In conclusion I would remark that free communication would in my humble opinion be more advantageous to both Departments.

In his report for 1869/70, Mr. Boswell urged the necessity for opening the Kottera salt creek, the mouth of which was closed in 1866 - no reference was made to me, but more than one defined project was

examined by the subordinates of the 7th range on requisitions made directly to them.

8th I pointed out personally to the Salt Superintendant how I thought a supply could be procured from the Peddapatam mouth - and it appears from para 8 that he succeeded in carrying it out - but not I believe till the Board had in their proceedings No. 5202 of 6th August 1870, para 9 expressed their disapproval of the expenditure on the Kottern.

I have the honor to be
Sir,
Your Most Obedient Servant
J. Fleicher Colonel R.E.
Superintending Engineer 2nd Dn.

P. N. 18 Department

Genl. No 3271.

The Deputy Commissary General

Quartermaster General

Dated 28th October 1871.

Received 6th Nov 1871

Asks for explanation of the cause of delay in the preparation and submission of returns and estimates of the Annual Establishments authorized by the Board of Examiners for the Financial year ending 31st December 1870/71—

No 3008 Hdqrs 8th Nov 1871.

Respectfully returned to the Deputy Commissary General of Musters, Commissariat Department, Dublin.

The delay in the preparation and submission of the Returns and Estimates of the Establishments authorized by the Board of Examiners for the Financial year ending 31st December 1870/71 has been occasioned by the Returns not having been received from the Stations in time to admit of the Estimates being prepared and submitted to the Board of Examiners at their Annual Meeting held on the 1st instant.

The Returns are now under preparation and will be submitted to the Board of Examiners at their next Meeting.

Rec'd 23rd Feby 65 p 476.
a J — 67 — 143 144
a 11 Oct 70 — 186 187
a 17 Nov — 199 200
a 9 Oct — 121 122

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Coll of 1871 Wks.

PUBLIC WORKS.

To the Board of Revenue

Date.

Rec'd.

25 Feb 1871 No 3002

Nos. 1918492

Salt works - Passing orders on a letter from the Supt of the 2nd Div explaining the cause of delay in the submission of tenders & plans & the estimates of the Salt works in the Kishnagur District.