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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	246	~~Press~~
B.P. No.		Mis.
Dated	31. 1. 1876	197

Not to be folded or roughly handled

No. 225. Read the following letter from Lieutenant-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 12th January 1876, No. 18 :—

THE line of the South Indian Railway to the south of Cuddalore crosses part of the East Coast Canal which joins the Paravanar and Vellar rivers. This part of the canal has apparently never been finished; in any case it has been neglected for long, and its bed is now in many places filled up with sand.

2. In laying out their line, the Railway officials assumed that the canal had been abandoned; but the district officers, to whom the matter was referred from this office, expressed an opinion that the canal might hereafter be finished, and that the Railway Company should either bridge it now, or enter into an agreement to do so when required.

3. I have the honor to enclose two letters which have subsequently reached me from the Agent; and beg to be informed

No. 371, dated 26th January 1875.

" 1,130, dated 6th January 1876, with whether Government desire that a bridge shall be built now to carry the line of railway over the canal; and, if so,

whether a headway, the same as is given at the crown of the Porto Novo bridge, will be sufficient. If there is a prospect that the canal will soon be made serviceable for boat traffic, it would, in my opinion, be advisable to construct the bridge now.

From W. S. BETTS, Esq., Agent, South Indian Railway, to Lieut.-Colonel J. H. M. SHAW-STEWART, R.E., Consulting Engineer for Railways, dated Negapatam, 26th January 1875, No. 371.

HAVING referred your letter No. 403, of the 18th December 1874, to the Chief Engineer, that officer writes to me as follows :—

" I send you a sketch, No. 230, of the existing bridge over the East Coast Canal near Porto Novo. This is the only bridge over the canal between the rivers Paravanar and Vellar.

" From the sketch it appears that there is a headway at the centre of the arch above water level of 10½ feet.

" The canal runs from the Paravanar to the Vellar, but in many places, as at the railway crossing, is quite filled up. At the Paravanar the water level is at present 140·64 above R. datum. At the Porto Novo bridge it is 139·76.

" Assuming that at the railway crossing it would be 140·00 formation level is 153·00. The bottom flange of a 30 feet girder would be 2 feet 3 inches below formation, or 150·75, and this would give 10 feet 9 inches headway, the same as at the Porto Novo bridge at its highest point.

" It will be seen, therefore, that no alteration in our present line is necessary if we give a bridge over the canal.

" I am about to visit the locality, and will take an opportunity of Consulting the District Engineer of South Arcot on this question. In the meantime it will, I think, be evident that no alteration of my present proposals as to line or levels will in any way interfere with the progress of acquiring the land for the Railway."

From the same Officer, dated Negapatam, 6th January 1876, No. 1,130.

Your letter No. 340 of the 25th of May last.

The Chief Engineer reports to me he has no further information available beyond that which I communicated to you in my letter No. 371 of the 26th of January last, and he asks

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20th January 1876.*

for instructions to be given as to whether the bridge "he proposed is to be built during the construction of the rest of the line, or if it is to be built on the understanding that if required the Company shall pay for its erection."

2. Will you please obtain the orders of Government hereon.

No. 226.

ORDER THEREON, 20th January 1876, No. 116.

RAILWAY, No. 23.

THE Governor in Council considers
that provision should be made by the
Railway Company for bridging the canal

at once. The plan of the bridge should be drawn up in consultation with the District Engineer and submitted to Government for approval.

(True Extract.)

C. Walker Major-General, R.E.,
Secretary to Government.

To the Consulting Engineer for Railways.
" District Engineer, South Arcot.
" Revenue Department.
" Financial Department.

Exd. S. T. Austin.

20 Spare Copies

Revenue Department
No. 370
Govt. of Madras.

PUBLIC WORKS.

To

THE CONSULTING ENGINEER
FOR RAILWAYS.
&c., &c., &c.

Dated January 20th.

Issued

Recd. — 28;

Encl.

G. O., 20th January 1876, No. 116.

See Memo

JANUARY.

Nos. 225-226

Bridge over the East Coast Canal near Cuddalore, South Indian Railway.—Intimating that the Company should make provision for constructing a —, and directing that the plan for the same should be drawn and submitted for the approval of Government.

N. 246
Comm. to the
Board of Revenue
31: January 1876

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