

1925

KENYA

346

C. O.
12498

17 MAR 25

Date

19th February 1925.

S.S. DEP. NORTHCOLE.

199

REGULATION:—

Mr.

Mr.

Mr.

Asst. U.S. of S.

U.S. of S.

U.S. of S.

Secretary of State.

UGANDA RLY. UGANDA EXTENSION.

The plan and section of first ten miles (approx) of this Extension from Mbulemuti, with covering memo by C.E.

Previous Paper

MINUTES

(Delayed for pp).

Jan 1855

I have looked at the plan & station.

The principle of "mountain grades" has I believe its opponents for a country whose driving skill is not highly developed. If the driver ^{does} not get up sufficient speed the train ^{has} either to be broken or an extra engine obtained; but we can wait once if the C.E. say anything about it.

The last sentence of Major Blaxel's memo: "certain, welcome news. Copy of Duplication of detailed plan, with two sets of the

MAR 31 1925

25 JUN 1925
20 JUL 1925

Subsequent Paper

Jan 15247

plan & section, G.A. for the
plan, & then of the C.E. - about
draft.

Wed. 26.3.25

and

KENYA
No. 199.



C. J.
2498

17 FEB 25

317

GOVERNMENT HOUSE,
NAIROBI,
KENYA.

19th February, 1925.

Sir,

With reference to Kenya despatch No. 27

lyn 55/25

of the 8th January, relative to the construction of the Uganda Railway - Uganda Extension, I have the honour to transmit, under separate cover, a plan and section of the first ten miles (approximate) of this Extension from Mbulamuti, for the information of the Consulting Engineers.

I enclose a covering memorandum by the Chief Engineer, Uganda Railway.

I have the honour to be,

Sir,

Your most obedient, humble servant,

J. G. D. - for the Govt
ACTING GOVERNOR.

THE RIGHT HONOURABLE

LIEUTENANT COLONEL L. C. M. S. AMERY, P. C., M. P.,

SECRETARY OF STATE FOR THE COLONIES,

DOWNING STREET,

LONDON, S. W.

Plan and Section
in triplicate
under separate cover.

Memorandum
dated 7-2-25

NO. 3078/27A.

Chief Engineer's Office,
Nairobi, 7. 2. 1925.

Copy R.E. U.R.

The Hon: General Manager,
Uganda Railway.
N a i r o b i

Uganda Extension.

I forward herewith a plan and section of the first 10 miles (approximately) of the line as staked out from Mbulamuti. These should be forwarded to the Consulting Engineers for their information.

2. It will be seen that the earthwork is very light and that curvature has been much reduced by the adoption of momentum grades as agreed to by you.
3. In this connection I attach as Appendix "A" a comparison in the curvature in the first 31 miles of preliminary survey, shewing how the latter has been considerably improved and shortened.
4. In deciding upon the alignment adopted, full consideration has been given to cost of operation, balanced by interest charges on capital. It would have been possible to have obtained a line slightly cheaper to operate, but such savings in operating costs would have been more than covered by increased interest charges.
5. It will be noticed that no openings are shown on the working section. The line generally follows a watershed and very few openings will be required, and these will be put in after track is laid in order to save transport of sand, stone and cement.
6. Further sections at the Mbulamuti end of the line will be ready shortly and will be forwarded to you in due course.
7. The Resident Engineer also expects to send me plans of the first section from Turbo, but the problem at this end is more complicated and details of drainage areas etc are now being worked out.
8. Earthworks at Mbulamuti commenced in January according to schedule, but we are being delayed at Turbo owing to the non completion of the Uasin Gishu Railway.

Encls: - 3 plans
3 sections.

Sd/- G. D. Rhodes.
Chief Engineer,
Uganda Railway.

UGANDA EXTENSION.MBULAMUTI - MPOLOGOMA SECTION.ANALYSIS OF CURVES (MBULAMUTI TO LUMBUYA SWAMP).

		Preliminary Survey.	Staked out line.
Curves of 1°	5730 ' Radius	8° - 30'	58° - 43'
2°	2865 ' "	201° - 15'	223° - 30'
3°	1910 ' "	92° - 00'	76° - 11'
3° 30'	1638 ' "	-----	96° - 58'
4°	1433 ' "	1079° - 30'	180° - 30'
5°	1146 ' "	143° - 45'	412° - 27'
6°	955 ' "	-----	71° - 30'
7°	819 ' "	1639° - 00'	639° - 11'
Total degrees of curvature.		3164° - 00'	1759° - 00'
Number of curves		53	32
Length of line - feet.		164,000	150,300
Length of line - miles.		31.06	28.47

Brett March 26
Allen 27
No. 12498/25 Kenya

350

Searcher
Shuckburgh
Davis
Trindle
Masterton Smith
Ormsby-Gore
Murray

C. D.
MAR 27
D 39

Sp

AFT:

3 March 1955

Gentlemen,

With ref. to the letter from this

Office No 60952/24 of the 5th of Jan,

I am directed to transmit to you,
in two parts, those of the Consulting Engineers,
the acc. copy of a deep from the

199
19 Feb 55
2 sets of plan
& section
12498

forwarding
Half mile of Kenya, a plan & section
across the Chief Engineer,
of the first ten miles (approximate)

of the Uganda Railway, ^{proposed} extension
has extension from Kibulamu to
from Kibulamu, of which two sets
to Jarto.

~~copies are enclosed herewith, together~~

2. Two sets of the plan
with a copy of a memo. by the
Director referred to in the despatch
"Chief Engineer, Uganda Railway"
are also enclosed.

I am to ^{request} that you
will furnish your observations
of the Consulting Engineers on these
papers.

(Signed) W. C. BOTTOMLEY

J.C.