



RAILWAY ELECTRIFICATION **GUWAHATI**

Office of the
CPD/RE/GHY

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Sub: Justification of the Alternate Route Alignment.

In connection with Railway Electrification of New Bangaigaon--Kamakhya Via Goalpara Railway station, a traction substation 132 KV/25 KV will be setup at Goalpara. The nearest 132 KV GSS for drawing power supply to TSS (Traction Substation) is in Agia under AEGCL. So, to get power supply for Railway Electrification through TSS/Goalpara, it is required to construct 132 KV transmission line from GSS/Agia to TSS/Goalpara since there is no other option to get 132 KV power supply for the above purpose.

Accordingly, a survey has been conducted for construction of 132 KV transmission line considering all technical factors and other physical factors like populated area, jungle, dense forest, rubber gardens and others. The proposed alignment of 132 KV transmission line through a proposed open forest area has been concluded after a detailed survey and also after consideration of all technical parameters and site condition.

If the proposed alignment is changed then either dense populated area, house buildings, urban area, township, market, or dense forest, rubber gardens and others shall be required to be infringed with the transmission line. Hence, practically it is not possible and feasible to construct extra high voltage transmission line through the above mentioned places. Moreover a 132 KV transmission line is essentially required to feed power supply for Railway Electrification project and for operation of electric trains through New Bangaigaon-Goalpara- Guwahati Railway Section.

Thus considering all reasons as explained above the proposed alignment for construction of 132 KV transmission is the only way through which the required transmission line may be constructed. The proposed line has been routed through an open proposed forest land having no tree, jungle or any other hindrance. The land is totally open and vacant and the area is technically and physically most suitable for the Construction and commissioning of 132 KV Transmission line from Agia GSS to Goalpara TSS under Gr.256 RE Project.


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