

RECOMMENDATIONS

As per the economic evaluation, using CC in this specific case is profitable. It is also a good and permanent solution for RF - 9 to overcome failures due to insulator flashover and vegetation. This technology was used as a pilot project in 1994 in Ratmalana industrial zone in WPS – 1 and was proven for better option to overcome failures due to industrial pollution and vegetation. After about ten years back some failures were reported such as burning of CCs due to using of improper accessories after implementation. Presently CC technology is been used in CEB in various provinces specially to overcome the wayleaves problems. Therefore using CCs is recommended to use proper accessories, tools and follow the manufacturer's guidelines.

CCs are of very high reliability and increased safety than the bare conductor lines. The conductor used in existing line is LYNX. The equivalent CC to LYNX is RUBY-SAX conductor which is being now manufactured locally under Australian standard which is an advantage to the CEB. Hence, using locally manufactured cables will promote a local product which is also another advantage. Furthermore, it can be developed to satisfy the local tropical environment.

It can also use existing poles and poles hardware except aluminium bindings is given additional advantage of RF - 9. To reduce tracking problem of CC on the insulator, helical ties can be used instead of aluminium bindings. Lightning protection scheme is essential for CC system and recommended arc protection device in each pole to protect the insulation.

The life time of CCs is about thirty years. Therefore using of CCs in RF – 9 saves large amount of unserved energy and cause lesser hindrance to the public. Also it gives long life time of equipments which are implemented in the RF- -9.

All these aspects tend to give uninterrupted power supply in this area and benefitted to public and create a good image to CEB.