

**DETAILED PROJECT REPORT FOR STABILIZATION
AND ENERGIZATION OF EXISTING S/C 220 KV
GLADNI UDHAMPUR TRANSMISSION LINE
BY WAY OF INSERTION OF TOWERS, REALIGNMENT ON D/C TOWERS FROM
LOCATION NO. 158 ONWARDS AND CLEARING ALL OTHER BOTTLENECKS**

INTRODUCTION

Work on 220 KV S/C Gladni- Udhampur Transmission line was started long ago in the year 1982 and was almost completed in the year 2011 with the intent to provide stable power by way of interconnecting the 220 KV Jakhani Grid at Udhampur and 220 KV Gladni Grid in Jammu region. However owing to various court cases, the commissioning of this line could not be materialized till date. Moreover, during this long span of over 35 years, some bottlenecks have erupted under the corridor of the said Transmission line which need to be addressed before energization of this idle line.

History

For evacuation of power from Salal Hydel project, a 220 KV power network in J&K had to be planned. Evacuation of power from the power house to load center was in the scope of agency executing the project. 220/132 KV Grid station at, Jammu and Udhampur were planned by the department in seventies. Both the Grid stations were commissioned in early eighties i.e before the commissioning of Salal Hydel Project. For inter connection of two grid stations, the department submitted a project report to the central electricity Authority in 1980. This was revised as per the instructions of CEA conveyed vide their letter no. 2514/80/PRG-460 dated 28-04-1980. A modified revised project report costing Rs. 291.50 lacs was submitted in June 1981 which included the cost of substation equipment at Gladni as well as at Udhampur Grid Station. The work on the line which was taken in hand in the year 1982 remained suspended because of non fulfillment by the contractor to whom the work of fabrication, galvanization & supply of super structures was allotted.


A system study conducted by CEA in December 1998 recommended flow of power on this line and as a fact the work of the line has to be completed. The matter was discussed in the techno-Economic Committee on 12-14/06/2000. The committee after deliberation accepted the proposal consisting of recasting of damaged locations, re-alignment of existing line at two places and use of D/C Towers as multi voltage Towers in the area nearing Udhampur where rapid urbanization has taken place. The proposal envisaged 47.872km line length & one line bay at Gladni as well as balance works of line bay at Udhampur grid station.


Necessity :-

The idle 220 KV line has got the distinction of being a lonely 220 KV link line between Jammu and Udhampur which may cater the ~~cater~~ vital ring main link among Kishanpur /Udhampur/Jammu. Further, with the upcoming 220/33 KV Grid Station at Nagrota, it becomes imperative to charge this vital link for feeding Nagrota Grid via Udhampur. Thus, to provide a stable and alternate power to Jammu, Udhampur as well as upcoming Grid at Nagrota, it is necessitated to energise this line on priority.


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