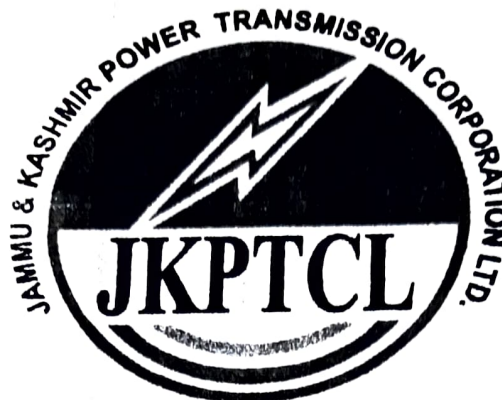


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Government of Jammu & Kashmir



POWER DEVELOPMENT DEPARTMENT
OPERATION & MAINTENCE WING JAMMU

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

Executive Engineer,
TLMD-VIII, JKPTCL
Jammu

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 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.


Exigency:-


As the S/C 220 KV Gladni-Udhampur Transmission Line is almost four decades old, some short comings/bottlenecks have cropped up under the corridor of Sub-judice idle line. Major amongst all is the clearance issue owing to mushrooming of concrete jungles. For Energisation of Idle Transmission line it is imperative to address above issues along with the long pending court cases, a thorough survey of Transmission Line has been done vide e-NIT no TLMD-VIII/J/06 of 2020-21. Accordingly, a fresh proposal for stabilization and re-alignment of said Transmission Line is incorporated in this DPR.


APPLICATION FOR OBTAINING TECHNO ECONOMIC CLEARANCE

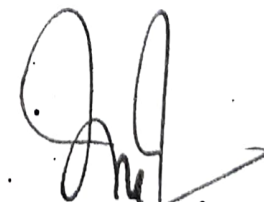



S.No	Name of the Project	Stabilization and energization of existing S/C 220 kv Gladni Udhampur transmission line. By way of insertion of towers, realignment on D/C towers from location no. 158 onwards and clearing all other bottlenecks.
1	Authority to accord Techno economic clearance	Chief Engineer, Transmission, JKPTCL, Jammu
2	Authority competent to accord: <ul style="list-style-type: none"> Administrative approval as per book of financial powers 	Chief Engineer, Transmission, JKPTCL, Jammu
3	Status of <ul style="list-style-type: none"> PTCC Forest clearance PCB clearance Any other clearance 	Not applicable Applicable Not applicable Not applicable
4	Particulars of project <ul style="list-style-type: none"> Scope of the project 	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.
	<ul style="list-style-type: none"> Estimated cost of the project State if the project is revised or not If the project is revised Give the following information <ul style="list-style-type: none"> Scope of the project anticipated originally Estimated cost envisaged original PID wing who have originated the project 	724.91 lacs Original Not applicable Not applicable JKPTCL, Jammu Not Applicable

	<ul style="list-style-type: none"> proposals • Reference of letter regarding Techno-economic clearance • Status of work • State if the revision in estimated cost have been in respect of executed items of materials/equipments works only • If the scheme proposed in XIIth 5 Year plan • Year wise phasing of expenditure • Availability of funds with reference to phased expenditure • Major head 	Yet to be executed
5	Necessity of the project	Inhabitants of twin districts of Jammu and Udhampur along with adjoining areas are benefited.
6	Any other additional information document necessary for assessing project report	Not Applicable


 Assistant Executive Engineer
 SD-I, Bishnah


 Superintending Engineer
 Circle-II, JKPTCL Jammu


 Executive Engineer
 TLMD-VIII, JKPTCL
 Jammu



 Chief Engineer(T)
 JKPTCL, Jammu





APPLICATION FOR ACCORDANCE OF ADMINISTRATIVE APPROVAL


S.No	Name of the Project	Stabilization and energization of existing s/c 220 kv Gladni Udampur transmission line. By way of insertion of towers, realignment on D/C towers from location no. 158 onwards and clearing all other bottlenecks.
1	Cost of the project <ul style="list-style-type: none"> • Basic cost of the project • Provisions of contingencies • Provisions for establishment including W/C establishment • Any other cost • Total cost of the project 	724.91 lacs
2	Authority competent to accord <ul style="list-style-type: none"> • Technical sanction • Administrative approval as per book of financial powers 	Chief Engineer (T), JKPTCL, Jammu.
3	Reference to technical sanction/techno economic committee approval <ul style="list-style-type: none"> • Out of central grants • Out of UT grants • By raising loans • total 	
4	<ul style="list-style-type: none"> • State whether the project is revised or original • If revised, the reference to accord of administrative approval of the original PR • Amount for which administratively approved • Expenditure incurred • Reasons and justification or revision 	Original

5	Status of clearance and if accorded, ref be quoted <ul style="list-style-type: none"> • PTCC • Forest clearance • PCB clearance • Any other clearance • Whether system studies conducted, if yes, name of the organization who has conducted the system studies with reference to their report 	Not applicable Applicable Not applicable Not applicable Not applicable
6	Scope of the project	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.
7	Period of completion	2021-22 subject to availability of funds
8	Benefits of implementation of the project <ul style="list-style-type: none"> • Area benefitted • Population benefitted 	Inhabitants of twin districts of Jammu and Udhampur along with adjoining areas are benefitted.


 Assistant Executive Engineer
 SD-I, Bishnah


 Superintending Engineer
 Circle-II, JKPTCL Jammu


 Executive Engineer
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 Jammu


 Chief Engineer(T)
 JKPTCL, Jammu