

**Before**  
**UTTARAKHAND ELECTRICITY REGULATORY COMMISSION**  
**Petition No. 21 of 2021**

**In the Matter of:**

Approval of Capital Investment under Para 11 of the Transmission Licence for Construction of 10X6 MVA, 220/33 kV GIS Substation Baramwari (Rudrapur) & 220 kV D/C line on Single Zebra Conductor from interconnection point of Singoli Bhatwari HEPP to proposed 220 kV Baramwari (Rudrapur) Substation.

And

**In the Matter of:**

Power Transmission Corporation of Uttarakhand Limited (PTCUL)

**CORAM**

**Shri D.P. Gairola Member (Law)**

**Shri M. K. Jain Member (Technical)**

**Date of Order: June 03, 2021**

**ORDER**

This Order relates to the Petition filed by Power Transmission Corporation of Uttarakhand Ltd. (hereinafter referred to as “PTCUL” or “the Petitioner”) seeking approval of the Commission for construction of 10X6 MVA, 220/33 kV GIS Substation Baramwari (Rudrapur) & 220 kV D/C line on Single Zebra Conductor from interconnection point of Singoli Bhatwari HEPP to proposed 220 kV Baramwari (Rudrapur) substation (Near Guptkashi Distt- Rudraprayag).

2. The Petitioner submitted proposal for capital investment of the works mentioned in the above para for approval of the Commission under Para 11 of Transmission

Licence [Licence No. 1 of 2003] vide letter No.421/Dir. Projects)/PTCUL/UERC dated 12.02.2021.

3. The estimated cost of the works proposed by the Petitioner through the DPR submitted alongwith the Petition is as follows:

Sl. No.	Particulars	Substation/Transformer Capacity (MVA) /Line Length (Km)	Project Cost including IDC as per DPR (Rs. Crore)
(i)	Construction of 220/33 kV GIS Substation Baramwari (Rudrapur)	6x10	117.62
(ii)	Construction of 220KV D/C line on Single Zebra conductor from Interconnection point of Singoli Bhatwari HEP to Proposed 220 kV Baramwari (Rudrapur) Substation (near Guptkashi Dist. Rudraparyag)	15.52	32.08
	<b>Total</b>		<b>149.70</b>

4. The Petitioner has submitted copy of extracts of the 74<sup>th</sup> Minutes of BoD Meeting of PTCUL held on 11.12.2020, wherein the Petitioner's Board has approved the Corporation's aforesaid proposals with a funding pattern of 70% through loan assistance by financial institutions and balance 30% as equity funding from GoU.
5. The Application was admitted on 10.03.2021 under Petition No. 21 of 2021.
6. To justify the need of the works proposed in the above Petition, the Petitioner submitted that Director (Operations), UPCL vide his letter dated 16.12.2017 stated that in future it is proposed to connect 33/11 kV S/s at Rudraprayag (10MVA), Jakholi (5MVA), Ukhimath (5MVA), Sumoribhardhar (5MVA), Agustyamuni (3MVA), Guptkashi (5MVA), Chopta (3MVA) to 220/33 KV GIS Substation Baramwari (Rudrapur) which shall strengthen the distribution system of the area. Moreover, the construction of 220/33 kV S/s is essential for reliable and full load evacuation of upcoming hydro projects in the area namely Kaliganga-1, Kaliganga-2, Madhyamaheshwar which are in advance stage of construction.

### **Commission's observations, Views and Decision**

7. The Commission in the past had held various co-ordination forum meetings with the representatives of UPCL, PTCUL and UJVN Ltd regarding evacuation issues being faced by upcoming hydro projects i.e. Kaliganga-1, Kaliganga-2 and Madhyamaheshwar. In all the meetings it was emphasized by the representatives of the Corporations that reliable and full load evacuation from the said upcoming hydro projects was only possible with the construction of the proposed 220/33 kV S/s Baramwari. In order to avoid bottling up of RE generation from the said SHPs and to strengthen the distribution network of the area the Commission was insistent that PTCUL complete 220/33 kV S/s Baramwari on war footing.
8. Examining the financial aspects of the proposal, it has been observed that while preparing the estimate for the DPR, the Petitioner has included price contingency @6.8% in the estimate. In absence of any justified reasons for including the said price contingency, the Commission is not considering the same as of now in the Order.
9. Thus, the Commission hereby grants in-principle approval for the investment of Rs 131.71 Crore only against Rs. 149.70 Crore proposed by the Petitioner as per the table given below:

**Table 2: Capital Cost approved by the Commission**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Substation/Transformer Capacity (MVA)/Line Length (Km)</b>	<b>Project Cost including IDC as per DPR (Rs. Crore)</b>	<b>Cost Considered by Commission (Rs. Crore)</b>
(i)	Construction of 220/33 kV GIS Baramwari Substation (Rudrapur)	6x10	117.62	103.17
(ii)	Construction of 220 kV D/C line on Single Zebra conductor from Interconnection point of Singoli Bhatwari HEP to Proposed 220 KV Baramwari (Rudrapur) Substation (near Guptkashi Dist. Rudraparyag)	15.52	32.08	28.54
	<b>Total</b>		<b>149.70</b>	<b>131.71</b>

10. Terms and conditions subject to which in-principle approval is granted by the Commission are as follows:

- (i) The Petitioner should go for the competitive bidding for obtaining most economical prices from the bidders.
- (ii) The Petitioner shall ensure proper utilization of the Transformers spared from the augmented substations and should not be kept idle; such Transformers should be utilized elsewhere, where such capacity augmentation is required.
- (iii) All the loan conditions as may be laid down by the funding agency in their detailed sanction letter are strictly complied with. However, the Petitioner is directed to explore the possibility of swapping this loan with cheaper debt option available in the market.
- (iv) The Petitioner shall, within one month of the Order, submit letter from the State Government or any such documentary evidence in support of its claim for equity funding agreed by the State Government or any other source in respect of the proposed schemes.
- (v) After completion of the aforesaid schemes, the Petitioner shall submit the completed cost and financing of the schemes.
- (vi) After completion of the aforesaid scheme, the Petitioner shall submit the completed cost as well as DPR and financing of the scheme.
- (vii) The cost of servicing the project cost shall be allowed in the Annual Revenue Requirement of the petitioner after the assets are capitalized and subject to prudence check of cost incurred.

Ordered accordingly.

**(M.K. Jain)**  
**Member (Technical)**

**(D.P. Gairola)**  
**Member (Law)**