

Full Title of the Project: - Construction of 66 kV D/C Transmission line from Pragati Nagar to 66/22KV Sub-Station Hulli (Kotkhai) Shimla. (H.P)

File No: - _____

Date of proposal: - _____

**Check List Serial Number-3
(Annexure-A)**

DETAILS OF PROJECT

Construction of 66kV D/C Transmission line from Pragati Nagar to 66/22KV Sub-Station Hulli (Kotkhai) Shimla. (H.P)

PROJECT HIGHLIGHTS

Project: - Construction of 66kV D/C Transmission line from Pragati Nagar to 66/22KV Sub-Station Hulli (Kotkhai) Shimla. (H.P).

Location of project: - Pragati Nagar to 66/22KV Sub-Station Hulli (Kotkhai), Teh. Theog, District Shimla, Himachal Pradesh.

Beneficiary states: - Himachal Pradesh & Northern Region Constituents.

Project Cost: - Rs 3.69 crore (Financial Institutions/HPSEBL)

1.) BACKGROUND

At present the far flung areas of Sainj, Chopal, Hulli, Kotkhai etc. in District Shimla are mainly fed from 66kV Jutogh (Shimla)-Gumma-Sainj-Hulli transmission line. However, rapid load growth in these areas in present times has resulted in its overloading especially during winter season. The only alternative for providing relief to the existing 66kV line is 66kV Kotla-Nagan-Gumma line but it is very lengthy (100km approx) due to which the residents in these areas have to suffer a low voltage problem and the water supply schemes in these areas are also affected.

After conducting system studies it was observed that relief to existing 66kV Jutogh (Shimla)-Gumma-Sainj-Hulli transmission line can only be provided if HPSEBL's 66/22kV sub-station situated at Hulli (Kotkhai) is connected to 400/220kV Pragatinagar sub-station owned by Himachal Pradesh Power Transmission Corporation Limited (HPPTCL) by constructing a 66kV transmission line. Accordingly, HPPTCL has been asked to facilitate HPSEBL by providing connectivity at 66kV level and it has been proposed to construct a 66kV transmission line from 66/22kV sub-station at Hulli to HPPTCL's sub-station at Pragatinagar so that relief is provided overloaded 66kV Jutogh (Shimla)-Gumma-Sainj-Hulli transmission line and strengthening of 66kV network in the area is ensured for providing reliable power supply all the consumers in the area.

Now, a scheme amounting to Rs. 3.69 crore has been prepared for construction of 66kV transmission line from Hulli to Pragatinagar and the proposal has been approved in the EHV

committee of HPSEBL vide letter No. HPSEBL/CE(SP)/W-72(EHV)/2016-7191-7216 dated 03.02.2017 vide agenda item No.72.07.

2.) FUNDING

A scheme amounting to Rs. 3.69 crore has been prepared for construction of said 66kV transmission line and 85% of the scheme amount will be funded by Rural Electrification Commission whereas the remaining 15% portion will be funded by HPSEBL through its own resources.

3.) EMPLOYMENT

During construction stages about **50 persons (36500 man days)** will be directly employed for the construction of the transmission line whereas only monitoring of construction activity will be carried out by existing regular staff (Sr. Executive Engineer, Assistant Engineer, Junior Engineer, Foreman, Lineman etc.) of HPSEBL. However, once the transmission line is commissioned, the prospective of carrying out its operation & maintenance through existing staff as aforementioned **or** through recruitment of new staff (regular/contract basis) as per existing norms **or** through deployment of staff on outsourced basis cannot be ascertained at this stage. Hence generation of regular employment at this stage is being considered as nil. Further, commissioning of this project will ensure in improvising the current voltage profile in the area thereby resulting in reliability of power supply.

4.) STRENGTHENING OF PRESENT ELECTRICAL SYSTEM


Himachal Pradesh Power Transmission Corporation Limited has commissioned a 400/220kV GIS sub-station at Pragatinagar (Kotkhai) and is planning to provide a 66kV system at its sub-station. Connecting the said sub-station with the proposed 66kV transmission line (Pragatinagar to Hulli) will help in strengthening the existing 66kV network in the area and will ensure that reliable power is made available to all the residents of far flung areas of Sainj, Chopal, Kotkhai and surrounding areas. The project upon its commissioning will also provide relief to already overloaded 66kV Jutogh-Gumma-Sainj-Hulli transmission line feeding these areas, act as second source (ensure n-1 contingency) of power and will improvise the existing low voltage profile in these areas.

5.) DETAILS OF TRANSMISSION LINE

1.	Voltage Level	66 kV
2.	Line Length	4.123 km
3.	Minimum width of Right of Way	18 metre
4.	No.of Towers to be erected	16 No
5.	Area of Forest	3-61-30 ha

Date: - 31.08.2021

Place: Totu (Shimla-11)


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