

Full Title of the Project: - Construction of 66kV transmission line from Proposed 220/66kV S/Stn. Nadukhar to Shakrori, Shimla (H.P)

File No: - _____

Date of proposal: - _____

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

DETAILS OF PROJECT

Construction of 66kV transmission line from Proposed 220/66kV S/Stn. Nadukhar to Shakrori, Shimla (H.P)

PROJECT HIGHLIGHTS

Project: - Construction of 66kV transmission line from Proposed 220/66kV S/Stn. Nadukhar to Shakrori, Shimla (H.P)

Location of project: - Nadukhar to Shakrori, Teh. Sunni, District Shimla, Himachal Pradesh.

Beneficiary states: - Himachal Pradesh & Northern Region Constituents.

Project Cost: - Rs 571.96 lakh (Deposit by SJPNL)

1.) BACKGROUND

Shimla Jal Prabandhan Nigam Ltd. (SJPNL/I&PH) has proposed to establish its water supply schemes in three pumping stages for fulfilling the deficit of water requirements of Shimla town and its surrounding areas and has requested HPSEBL to supply requisite power for all its pumping stages at 66kV level. The nearest existing source at 66kV level in the area for providing power the required power is Jutogh-Gumma transmission line. However, it is not possible to meet SJPNL's round the clock load requirements from the said line as it is already overloaded. Further loading it would only result in Gumma-Jutogh transmission line's failure. Accordingly, it was envisioned to construct a 220/66kV sub-station at Nadukhar (Basantpur) which was approved by HPSEBL's EHV committee HPSEBL vide letter No. HPSEBL/CE(SP)/W-76(EHV)/2019-700-24 dated 16-05-2019 vide agenda item No.75.10 to meet the power requirements of SJPNL's 1st & 2nd stage schemes. Since, SJPNL has requested to supply the power at 66kV level, a 1.8 km long 66kV transmission line is to be constructed from Nadukhar to Shakrori for supplying power to 1st stage of SJPNL's water supply scheme at Shakrori.

2.) FUNDING

The probable cost for providing power to SJPNL's 1st stage at Shakrori on 66kV level has been worked out to Rs. 571.96 lakh and the entire cost for its construction shall be met by obtaining deposit from SJPNL.

3.) EMPLOYMENT

During construction stages about **40 persons (14600 mandays)** 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 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.

4.) STRENGTHENING OF PRESENT ELECTRICAL SYSTEM

The project upon its commissioning will provide reliable power supply to SJPNL's water supply scheme at Shakrori (1st stage) thereby resulting in reliable water supply to residents to Shimla town and its surrounding areas. The constant load drawl from 220kV Kashang-Bhaba-Kunihar double circuit line will further keep in check and resolve the over-voltage issue being observed on the 220kV line thereby resulting in improving the efficacy of transmission/electrical network.

5.) DETAILS OF TRANSMISSION LINE

1.	Voltage Level	66 kV
2.	Line Length	1.867 km
3.	Minimum width of Right of Way	18 metre
4.	No.of Towers to be erected	8 No
5.	Area of Forest	1-66-81 ha

Date: - 03.06.2022

Place: Totu (Shimla-11)


Sr. Executive Engineer,
Electrical System Division,
HPSEBL, Totu - Shimla -11.