

Full title of the Project: -Construction of 220/66kV, 2x25/31.5 MVA Sub Station at Nadukhar (Sunni) by LILO of D/C Bhaba-Kunihar Line passing nearby Nadukhar.

File No. _____

Date of proposal: _____

Check List Serial Number-3
(Annexure-A)

DETAILS ABOUT PROJECT

Construction of 220/66kV, 2x25/31.5 MVA Sub Station at Nadukhar (Sunni) by LILO of D/C Bhaba-Kunihar Line passing nearby Nadukhar.

PROJECT HIGHLIGHTS

Project: - Construction of 220/66kV, 2x25/31.5 MVA Sub Station at Nadukhar (Sunni) by LILO of D/C Bhaba-Kunihar Line passing nearby Nadukhar.

Location of Project: Village Nadukhar, Tehsil Sunni, Dist. Shimla in Himachal Pradesh.

Beneficiary States: Northern Region Constituents.

Project Cost: - 12014 Lakhs [HPSEBL/SJPNL share]

1. BACKGROUND: -

Vide letter No. SJPNL/ WSPD/Estimate/ 18-19-2794-98 dated 13.09.2018 has requested HPSEBL to prepare the estimate for supply of power for water supply to Shimla from River Sutlej near Shakrodi Distt. Shimla having total load requirement 50 MW. Accordingly HPSEBL conducted detailed survey and scheme amounting to Rs. 12014 Lac, got approved from the Design office. The EHV committee approved the scheme vide letter No. HPSEBL/CE(SP)/W-76(EHV)/ 2019-700-24 dated 16.05.2019 vide agenda item No. 76.04. the cost sharing of the scheme is based on the load requirement of SJPNL, the HPSEBL, share is 8389.18 Lac and that of SJPNL is 3625.40 Lac. SJPNL has deposited Rs. 2450 Lac on dated 02.12.2019.

2. FUNDING

The probable cost for constructing of the entire project is Rs. 12069 lakh. The said cost shall be met by arranging funds from Financial Institutions/ Rural Electrification Commission (REC) by HPSEBL and by obtaining deposit from M/s Shimla Jal Prabandhan Nigam Limited.

3. EMPLOYMENT

During construction stages about 80 persons (58400 mandays) will be directly employed for the construction of the sub-station and carrying out the allied works 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 sub-station 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

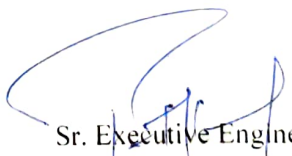
Commissioning of this project will ensure reliable power supply to SJPNL water supply schemes which in turn will fulfill the water requirements of Shimla town and its surrounding areas. The said sub-station will also act as n-1 contingent & reliable source of supply to the people of Mashobra, Sunni, Theog, Sainj, Kotkhai & Chopal regions by relieving the overloaded 66kV Jutogh-Gumma-Sainj-Hulli transmission line. This will further increase the reliability of electrical network and would lead to improvement of voltage profile in these areas. This project will eventually ensure strengthening of the existing Electrical System in Shimla district.

5. DETAILS OF SUB-STATION & INITIAL 66kV TOWERS

1.	Voltage Level of Sub-Station	220/66 kV
2.	Capacity	2x25/31.5 MVA
3.	Type	Metal encapsulated (Gas Insulated Switchgear)
4.	No. of 66kV towers	2
5.	Minimum Width of RoW for 66kV towers	18m x 28m & 18mx10m
6.	Area of Forest	1-13-33 Ha

Date: - 20/02/2023

Place: - Totu (Shimla-II)


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