

**DIVERSION OF 0.2320 HA. OF FOREST LAND FOR CONSTRUCTION OF 33kV  
HT LINE SUB STATION AT BHADWAR, NURPUR IN DISTRICT KANGRA (H.P.)**

FILE NO. : **FP/HP/SubStation/142137/2021**  
DATE OF PROPOSAL :

**DETAIL NOTE ON THE PROJECT**

The proposal for construction of 33/11 kV HT Line Sub-Station at Bhadwar in Mohal Kalara in Tehsil Nurpur, District Kangra. The existing 2 X 10 MVA 33/11 kV Transformer bank installed at 220/132/33/11 kV Grid Sub-Station Jassur caters to the load requirement of Electrical section Khajjian, Bhadwar and Nurpur through 11 kV Jassur Kotla feeder emanating from it. The peak load of this feeder is recorded as 2 MVA in the month of August. The peak load of this transformer bank is 18 MVA during this month and it is one of the feeder out of total eight feeders emanating from this power bank. The 11 kV Jassur - Kotla Feeder is feeding to the huge population residing in seven Panchayats namely, Gahin Lagore, Nagni, Kherian, Bhadwar, Kot Palari, Hathidhar and Milkha with feeder length of 16 kms (main feeder) and 60 kms spur feeders resulting in low voltage. Also one number Kotla - Mastgarh Bhadwar 11 kV feeder emanating from 33/11 kV Sub-Station Kotla, feeds to the parts of this area. The end to end length of main 11 kV feeder between 220/132/33/11 kV Grid Sub-Station Jassur and 33/11 kV Sub-Station Kotla is 30 kms i.e. 16 kms from Jassur and 14 kms from Kotla end. As proposed site is exactly at the centre of both Sub-Stations 220/132/33/11 kV Grid Sub-Station Jassur and 33/11 kV Sub-Station Kotla, it will reduce the distance of existing 30 km of 11 kV line to 20 kms length, thereby reducing the transmission losses, thus saving funds and providing better voltage regulation. There is acute low voltage problem in the major parts of the project area and the low voltage is further aggravated due to lengthy L.T. distribution lines feeding the scheme area. There is huge pressure from public representatives to improve the voltage and to maintain regular / uninterrupted power supply to these Panchayats.

Hence keeping in view of the above facts, there is urgent necessity for construction of 33/11KVHT Sub-Station at Bhadwar which will not only improve the power supply system but also reduce the HT/LT ratio and secondary system as well as following intangible benefits are expected after completion of the project:-

- i) Improved voltage regulation and quality service to the consumers.
- ii) Increase in the reliability index of the power supply.
- iii) Un-interrupted power supply to the consumers.
- iv) Reduction of T&D losses.

The Proposal Comprises of the following civil works.

- 33/11 kV HT Sub-Station.
- Parking Area.

The adverse impact of the construction on the environment shall be taken care of. Cut & fill method shall be used for disposal of muck/debris and the rest would be used in filling the embankments of different structures, retaining walls and low lying areas. Thus every care shall be taken to minimize the ill effect on the environment.

#### LOCATION OF THE PROJECT:

The construction of the 33 / 11 kV HT Sub-Station at Bhadwar is proposed in Mohal Kalara Mouja Bhadwar in Gram Panchayat Bhadwar, Tehsil Nurpur in District Kangra, Himachal Pradesh

#### JUSTIFICATION FOR LOCATION THE PROJECT IN FOREST AREA:

The location of the 33 / 11 kV HT Substation Bhadwar proposed is exactly at the centre of both Sub-Stations 220/132/33/11 kV Grid Sub-Station Jassur and 33/11 kV Sub-Station Kotla. The proposal involves felling of 35 number of trees. No other viable alternative is available for the project so it has to be as such located in the forest land. Keeping in view of the technical requirements of the Project, alternative involving minimum forest land and trees have been adopted.

#### Total Population Benefited:


The population of 197 persons (As per Census 2011) living in Mohal Kalara will be benefited with the construction of 33/11 kV HT Sub Station Bhadwar. However, approximately 3000 people residing in Gram Panchayat Gahin Lagore, Nagni, Kherian, Bhadwar, Kot Palari, Hathidhar and Milkha will be benefitted with the construction of 33/11 kV HT Sub-Station at Bhadwar.

#### Project objectives:

- Improved voltage regulation and quality service to the consumers.
- Increase in the reliability index of the power supply.
- Un-interrupted power supply to the consumers.
- Reduction of T&D losses.

The project would have lot of long term direct and indirect advantages. Hence the project is requested to be considered.

Place : Nurpur  
Dated:

  
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