

**FULL TITLE OF THE PROJECT: CONSTRUCTION OF 33/11KV SUB STATION AT  
RAISON (RAUGI NAL) IN DISTT. KULLU**

File No.: \_\_\_\_\_

Date of Proposal: \_\_\_\_\_

**Check List Serial Number -10**

**JUSTIFICATION STATEMENT FOR LOCATING THE PROJECT IN THE FOREST AREA**

Raison is situated at right bank of River Beas at a distance of about 10.000 kms. from 2x5MVA, 33/11KV Sub-Station Naggar and 15.000 kms. from 2x10 MVA Sub-Station Kullu. At present Raison and surrounding area on right bank of River Beas is being fed from 2x5 MVA Sub-Station Naggar through 11 KV feeders. The area of left bank of River Beas adjoining Raison is being fed from 2x10MVA, 33/11KV Sub-Station Kullu through 11 KV Seubag feeder. Raison and surrounding area is facing low voltage problem, due to lengthy 11 KV HT feeders. Reliability of the feeders is very poor due to frequent trippings on existing feeders because of lengthy 11KV lines.

The HPSEBL has already committed load through PAC to the different private prospective consumers i.e. 600 KW load in favour of M/S Manchanda Construction Company Kais (near Raison) and 348 KW load in favour of Jawahar Navodaya Vidyalaya. Total 948 KW load has already been committed in addition to annual load growth. The load requirement cannot be met out through existing 11 KV feeders due to poor voltage regulation of line on account of lengthy line and heavy load.

The maximum demand recorded at 2x10MVA, 33/11KV Sub-Station Kullu during 2013 was 15.82 MVA. The load growth of Kullu town is 6% per annum. Keeping in view the load growth, the existing 2x10 MVA Sub-Station Kullu needs to be augmented in near future which can be avoided if additional 33/11KV Sub-Station at Raison is installed. The voltage problem in the area due to lengthy 11 KV feeders will also be improved. Therefore, the load from 33/11KV Sub-station Kullu needs to be transferred in order to meet up the requirement of rapid growth.

The 33/11KV Sub-Station Naggar is being fed from 132/33KV Sub-Station Bajoura through 33KV line 33.010 kms. long with ACSR 6/1/4.72 mm sq. conductor. The new 2x1.6 MVA, 33/11KV Sub-station Raison has been proposed on existing 33KV Bajoura – Naggar feeder at about 10.000 kms. before the existing 33/11KV Sub-station Naggar.

The proposal for construction of 2x2.5 MVA, 33/11KV Sub-Station Raison has been approved in the 50<sup>th</sup> STC meeting held on 4<sup>th</sup> January, 2013 vide agenda item No. 50.18(2) and the revised proposal for construction of 2x1.6 MVA, 33/11KV Sub-Station Raison was approved in the 54<sup>th</sup> STC Meeting held on 17.10.2014 vide agenda item No. 54.06. The provision of scheme has been made in the capex plan for the year 2013-14.

Three sites have been explored, surveyed, finally site No. 1 has been selected in such a way that minimum forest land, nil felling of trees be involved and existing transmission lines can also be utilized up-to their maximum capacity.

Place: ~~Manali~~ Distt. Kullu  
Date:



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