

Government of Odisha
Department of Energy

Number 3126 /En., dt. 15.04.2013

R&R-35/2013

From

Sri P.K Jena, IAS,
Commissioner-cum-Secretary to Govt.

To

The CMD, GRIDCO/OPTCL
All RDCs
All Collectors
CEO, CESU, Bhubaneswar
CEO, CSO(NESCO, WESCO & SOUTHCO), Bhubaneswar
MD, NESCO/ WESCO/ SOUTHCO

Sub:- Guideline for Preparation of Estimate for Proposed 33/11 KV Sub-stations under Road map.

Sir/ Madam,

I am directed to say that for strengthening of distribution system, reduction of T&D loss and to give quality power supply to the consumers, Govt. of Odisha has decided to help DISCOMs to install 591 numbers of additional 33/11 KV Sub-stations in different Blocks in the State of Odisha. Due to poor financial condition of DISCOMs, Govt. of Odisha has decided to fund these projects with the stipulation that, the maximum length of the incoming 33 KV feeder should not be more than 30 KMs and length of the outgoing 11KV feeders not more than 20 KMs. These sub-stations will also take care of additional loads coming within the next 5-years under different schemes like RGGVY, BGJVY, BSVY etc.. While preparing the estimate, the DISCOMs must follow the following guidelines scrupulously.

1. Detailed DPR for site wise 33/11 KV Sub-stations must be prepared indicating the existing GRID Sub-stations and 33/11 KV Sub-stations from which the proposed area and number of consumers are getting power supply. The length of the incoming 33 KV feeders and outgoing 11 KV feeders along with the load must be mentioned in the estimate shown in the schematic line diagram. After installation of the new 33/11 KV Sub-stations, the load diverted from the existing 33/11 KV Sub-stations and the anticipated load on the proposed Sub-stations must be mentioned. Reduction of length of the incoming 33 KV feeder and outgoing 11 KV feeder must also be mentioned

in the DPR. A composite schematic line diagram with the existing 33 KV feeder and proposed 33 KV feeder to the new 33/11 KV Sub-stations and outgoing 11 KV feeders from the existing and proposed 33/11 KV Sub-stations must be attached with the DPR.

2. While preparing the detailed project report for the proposed 33/11 KV Sub-stations a detailed survey must be conducted to arrive at the exact No. of new 33 KV incoming lines and 11 KV outgoing lines to be constructed. While conducting the detailed survey it must be verified whether there is any redundant 11 KV feeder from the existing 33/11 KV Sub-stations or substantial portion of existing 11 KV feeders to become redundant after the load diversion from the existing 33/11 KV Sub-stations to the proposed 33/11 KV Sub-stations.


This exercise is needed to reduce the cost of incoming 33 KV lines as these redundant 11 KV lines can be converted to incoming 33 KV lines with minor changes of insulator and cross arms etc. The dismantled 11 KV cross arms and insulators can be used in the new 11 KV outgoing feeders.

3. As the works are meant for DISCOMS, the estimate must be prepared as per the latest item wise market price. No escalation should be charged in the estimate.

As the assets created are meant for DISCOMs, 3% storage and insurance, 2% contingency and 6% supervision and overhead charges must not be charged in the estimate.

Keeping in view of the above guidelines DPR for 33/11 KV Sub-stations site wise along with the schematic line diagram and detail estimate of the lines and sub-stations must be submitted to this Department by 25th April 2013 positively.

Yours faithfully,


Commissioner-cum-Secretary to Govt.
Department of Energy