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Name of the Project:- Work of conversion of existing 11KV overhead Netravali feeder to 11KV U/G cabling network emanating from 33/11KV Vaddem substation in Sanguem constituency under the jurisdiction of Elect. Sub Division-III, Sanguem.

Date of proposal: 11 / 12 /2020

PROJECT DETAILS

This project involves the work of conversion of existing 11KV overhead Netravali feeder to 11KV U/G cabling network emanating from 33/11KV Vaddem substation in Sanguem constituency under the jurisdiction of Elect. Sub Division-III, Sanguem. The total cost of the project is Rs. 45, 26, 74, 579/-. The scope of the project involves the following:

1]. Supply, erection, testing and commissioning of 11KV HT Underground cable.....108.02Kms.
2]. Supply and Erection of Ring Main Units .....42nos.
3]. Providing additional 11KV Panel.....03nos.
4]. Dismantling of 11KV Overhead line of Netravali feeder.....44.37Kms.

The main objective of the project is to provide uninterrupted power supply to the consumers and to reduce the power outages. Since the existing 11KV Netravali feeder is passing through thick dense vegetation, forest and Netravali Wildlife sanctuary; there are many interruptions occurring during monsoon on the said feeder, due to falling of trees, branches etc. The consumers residing in the villages of Netravali, Verlem, Todou etc. are effected during interruptions & remain in dark due to power failure. Fault finding on this feeder also becomes a difficult task, as the feeder is passing through thick vegetation and due to length of feeder. The existing 11KV overhead Netravali feeder was in service since last 30years and above, and as such the line and structural materials of this feeder is also corroded and needs renovation.

Thus, keeping in view of the above reasons and as per the site conditions, the project for the work of conversion of existing 11KV Netravali Feeder into underground cabling network has been approved in Sanguem constituency under the jurisdiction of Elect. Sub Division-III, Sanguem. The underground cables in this project, will be laid by digging trenches of 0.45metre width and 1.1metre depth and 0.60mrts. width and 1.1meter depth for single and double run cables respectively, adjacent to the shoulders of the road spread over the route length of 84.83Kms through various V.P. areas. 44nos of Ring main units will be erected at suitable locations for providing ring system. Also the double cable is proposed to provide the uninterrupted power supply to consumers in case of failure of one cable. The proposed UG Cable route is passing through Netravali Wildlife sanctuary for a distance of about 14.266Kms, which is double circuit cables and 05nos. of Ring main units are to be erected in the Netravali Wildlife sanctuary. No trees cutting involved in this project. Similarly after successful completion of the project the existing HT electrical line will be dismantled.

The underground cabling will provide uninterrupted and stable power supply without any fluctuations to the consumers. The reliability and quality of power supply will be improved. The maintenance cost and technical losses will be reduced drastically. The underground system would give better service to the consumers with minimum power interruption & higher reliability.

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Date: 13 /04/2022

Place: Curchorem