

Proposal of Forest Diversion under FCA for setting up of 66 KV Overhead Transmission Line by MUPL.

Annexure - 35

Map showing alternate routes with different colours and justification of section the proposed route (in case of linear diversion)

Projects Brief:

MPSEZ Utilities Private Limited (MUPL) is co-developer and DISCOM of Mundra SEZ, having power distribution license issued by Hon'ble Gujarat Electricity Regulatory Commission. Presently, total 8481.2784 hectares of area has been assign to MUPL for power distribution considering notification no. 3029 (E) dated 21.09.2016 of Department of Commerce, Ministry of Commerce and Industry, Government of India as consolidated Special Economic Zone in Mundra, Kutch (Gujarat). MUPL have been developed infrastructure pertain to power distribution in zone to cater the reliable power to the units in zone considering the development of Mundra SEZ.

The power distribution licensee has been provided as SEZ base and power network has been require to develop in the vicinity of the SEZ area which is also connected with central grid as well as state grid through Mundra power of the APMuL. MUPL has developed more than 100 KM of the network at various voltage level in the SEZ area to provide the reliable power supply to the units are developed or to be developed in the Special Economic Zone in Mundra.

Envisaging the expected development in the region in the upcoming years, required augmentations of existing power distribution network with the additional new infrastructure. The said infrastructure is also require to provide redundant power supply to existing LNG & LPG Terminal and various container as well as Liquid & Bulk cargo Terminal. Electricity is being basic needs to run the industries or any commercial facility, the power network augmentation is necessity within the SEZ area to facilitate the new sustainable Industrial development.

Requirements of Land for Project

Considering the existing power networks limitation for expansion, explored new avenues/path/route for establishment of planned connectivity and accordingly planning necessity of various new connectivity for reliable supply with their suitability and available land profile within SEZ area, in which required identified additional adjoining forest land area admeasuring approx. 0.40 hectare to the existing land as shown the map for establishing the connectivity between the MUPL (Power Distribution Company and Co-Developer of SEZ) through APSEZ (Developer of the SEZ) land parcels bifurcated through existing creek and the balance non allotted forest land.

The required identified forest land area is composition of 18 meter wide corridor with average length of approx. 222.64 meter which is require for 66KV Overhead Transmission Line as conceptually planned and described below which may further rearrange, if required while doing the detailed engineering and site suitability studies.

Identified and Selection of Land for Project

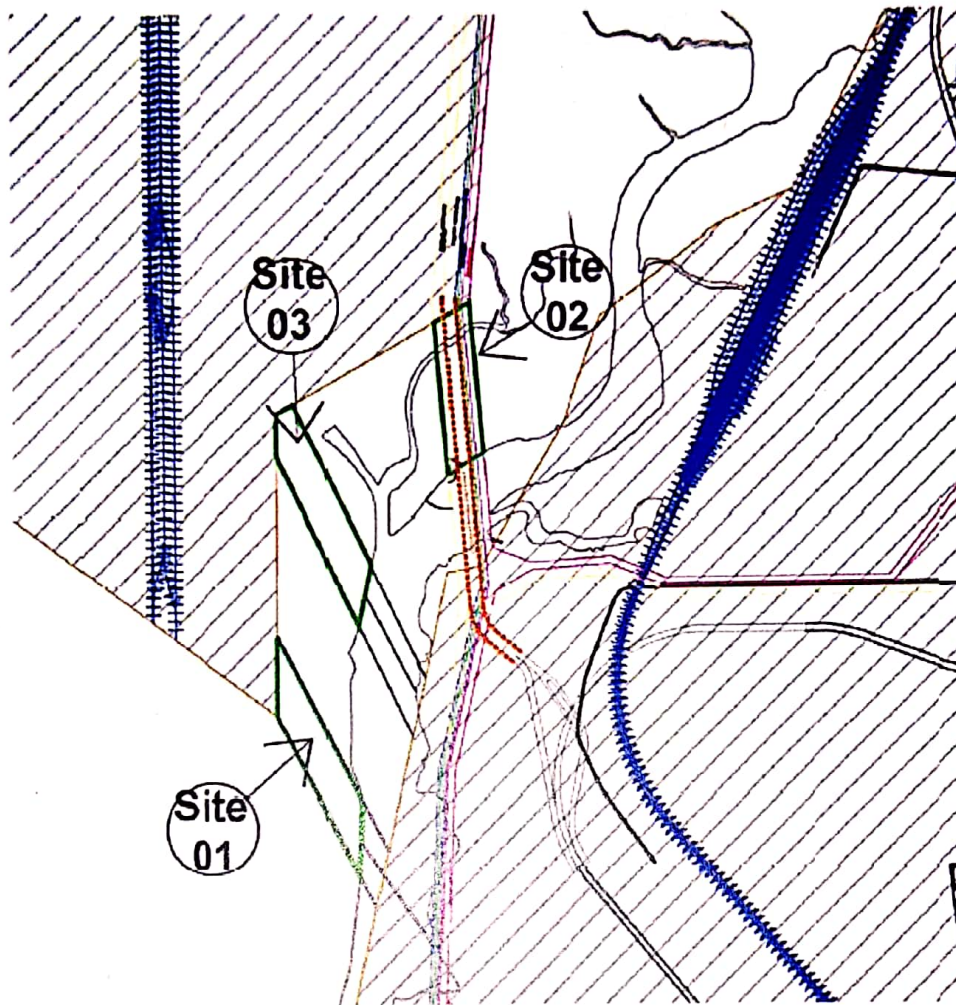
The identified required land options is proposed for MUPL's Power Network Infrastructure crossing in a linear way from one land parcel to another land parcel, which bifurcated due to existing creek and non-allotted forest land.

The major criteria considered while evaluating the identified proposed site location are as follow

- 1) Minimum length of corridor proportionately impact on required area.
- 2) Minimum span of creek required to cross.
- 3) Appropriate angle for transmission tower required to be form while crossing the creek.
- 4) Effective utilization of Developable land considering the starting/entering and end/exist point/location of proposed corridor.

Corridor length over the creek:

Based on the existing creek conditions between the MUPL in SEZ land parcels and connectivity establishment proposal through the identified locations, the proposed corridor site has to be crossover the creek and the width/span of the creek is important to establish the supports in the edge of creeks. If span is less than no intermediate support is required which falls in the creek, in compare to larger span. In the proposed alternate sites, SITE-01 is having lower distance of creek in compare to other site.



Conclusion/Recommendation

Based on above each site options analysis, in the initial conceptual stage found that SITE- 01 is more suitable and recommendable considering the various criteria as Lower in length with short span of creek impacting lesser impact in the adjoining area and the alignment angle in reference to the creek create more effective land utilization as its suitable to pass at the edge of the MUPL in SEZ land parcels.

Date: / /2020

Place: Mundra

For,

General Manager-Operation

MPSEZ Utilities Pvt. Ltd.

(Authorized signatory)

