

### Alternative Route Alignment Analysis Sheet for

**Full title of the Project :**“Construction of 765 KV D/C Bhadla-II to Sikar-II Transmission line, District- Jodhpur, Bikaner, Nagaur, Churu & Sikar (Rajasthan)”

**Proposal No.** : FP/RJ/TRANS/142545/2021

**Date of Proposal** : 31-05-2021 , **Diversion Area : 0.5428Ha.**(JodhpurDiv.0.221 Ha & Nagaur Division- 0.3216 Ha.)

| S.No | Alternative Details   | Segment | Length (M) | Width(M) | Area (Sqm) | Area (Ha)      | Reason for Selection / Rejection  |
|------|---|---------|------------|----------|------------|----------------|---|
| 1.   | Alternative Route -1<br>(Selected Alignment Marked in Blue Color)   | 1       | 33.02      | 67       | 2212       | <b>0.7912</b>  | In Alternative Alignment-1 forest land Proposed for Diversion is less than the Alternative Route-2 and Alternative Route-3 hence we have selected the Route-1 |
|      |   | 2       | 48         | 67       | 3216       |                |   |
| 2.   | Alternative Route -2<br>(Selected Alignment Marked in Orange Color) | 1       | 33.02      | 67       | 2212       | <b>0.5562</b>  | In Alternative Route-2 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-2                             |
|      |   | 2       | 50         | 67       | 3350       |                |   |
| 3.   | Alternative Route -3<br>(Selected Alignment Marked in Pink Color)   | 1       | 33.02      | 67       | 2212       | <b>22.5656</b> | In Alternative Route-3 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-3                             |
|      |   | 2       | 2319       | 67       | 155373     |                |   |
|      |   | 3       | 48         | 67       | 3216       |                |   |
|      |   | 4       | 490        | 67       | 32830      |                |   |
|      |   | 5       | 389        | 67       | 26063      |                |   |
|      |   | 6       | 89         | 67       | 5963       |                |   |

Note : No other Alternative is feasible except above mentioned 2 alignment due protected forest Crossing.

Analysis of above three route has been done route-1 has been selected because it is minimum forest land and low project cost.

**Place :** Nagaur

**Date :** 14/02/2023



धनराज आसेरी/DHANRAJ ASERI

उप प्रबन्धक/Dy.Manager

सीकर न्यू ट्रांसमिशन लिमिटेड/

(Dhanraj Aseri) Sikar New Transmission Limited

(100% Dy Manager of POWERGRID)

जगौर/Nagaur

Sikar New Transmission Limited (100%

Subsiding of POWERGRID) Nagaur

Countersigned

Divisional Forest officer

Forest Division-----

Office Seal-----