

DETAIL NOTE ON PROJECT FOR JUSTIFICATION FOR AREA SELECTION

Project Background

Government of India has set a target for establishing 175 GW renewable capacity by 2022, which includes 100 GW from Solar and 60 GW from Wind. Solar Energy Corporation of India (SECI) in association with MNRE has identified Solar Energy Zones (SEZ) and Wind Energy Zones (WEZ) of 66.5 GW in seven RE rich states (Tamil Nadu, Andhra Pradesh, Karnataka, Gujarat, Rajasthan, Maharashtra and Madhya Pradesh) to be evacuated through ISTS. Out of total 66.5 GW REZs, 18.5 GW (Solar-10 GW & Wind 8.5GW) of potential has been identified in the states of Tamil Nadu, Andhra Pradesh and Karnataka In Southern Region.

ReNew Green Energy Solutions Private Limited ("RGESPL") is developing a 100 MW wind farm project in Village: Kakkuppi, Suravanahalli & Agrahara and surrounding villages Taluka Kudligi, District Bellary, Karnataka, RGESPL has awarded the EPC work for the construction and commissioning of the 100 MW Wind Power project at kudligi Taluk. For the evacuation of power from wind farm PSS we are constructing a Transmission line which is passing through Reserve forest land of village kakkuppi, Agrahara, taluk Kudligi, district Bellary in Karnataka State

In continuation of the availability of wind energy, consideration of the requirements of environment parameter, construction methodologies to be adopted for different terrain encountered en-route, design & engineering factor, availability of logistic support during construction, operation & maintenance of life, various feasible route were identified by M/s. ReNew Green Energy Solutions Private Limited Based on system study, desk review, topographic-map, Forest map, existing publication materials, walkover survey augmented by GPS. During route alignment all possible effort are made to avoid the forest / protected area involvement completely or to keep it to the barest minimum. Moreover, in Protected / Reserved forest area trees are felled only in below each conductor to facilitate stringing. On completion of construction only on such strips is maintained for O & M purpose. And direct or indirect approximately 15 villages approximately 1.5 lacs people can get benefit from the project. These are of Kudligi Taluk area so remote area and tail end of Karnataka State and required to be developed as per Government of Karnataka TASP scheme and after commissioning for 33 KV D/C Transmission Line from the Proposed 220/33kV Pooling Substation to the Proposed Windfarm remote area of Kakkuppi, Suravanahalli, Agrahara around these villages will get quality and continuous power supply from our line. (Total "4.338 hac diversion of Reserved Forest land required)

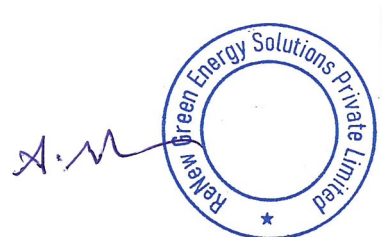
ReNew Green Energy Solutions Private Limited
(Formerly Known as ReNew Wind Energy (Jath Three) Private Limited)
CIN: U40300DL2013PTC251232

Corporate Office

ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram - 122009,
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Registered Office

138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066, Tel: +91 11 4677 2200, Fax: +91 11 4111 2980



Factors considered

- i) The route of the proposed transmission line does not infringe any human habitation.
- ii) Any monument of cultural or historical importance is not affected by the route of the transmission line.
- iii) The proposed route of transmission line does not create any threat to the survival of any community with special reference to Tribal Community.
- iv) The proposed route of transmission line does not establishment etc.
- v) The line route does not pass through any sanctuaries, National Park etc.
- vi) The line route does not infringe with area of natural resources.

Sensitive area and settlements at execution stage

1. As a rule, alignment are generally kept 10-15 KM away from major towns, whenever possible, making a provision of future urban expansion.
2. Similarly, forests are avoided to the extent possible, and when it is unavoidable, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
3. Selected Alignment do not infringe wetlands and unstable areas for both financial and environmental reasons, Additional care has to be taken to avoid National Parks and sanctuaries any other forest area inhabited by wild life. Keeping above factors in mind three alternative routes are proposed. As such, different alternatives were studied with the help of Govt. Published data like Forest atlas, Survey of Indian Topographical maps, satellite imageries etc. To arrive at most optimum route which can be taken up for detailed survey and assessment of environment and social impacts for their proper management.

The details of final approved route

Sr No.	Description	Final Route
1	Line Length	7.005 KM
2	Class of forest (R.F. / P.F)	R.F.:- 4.338 hectare
3	Transportation & Maintenance	100%
4	Hilly Terrain Area	NIL
5	Power line crossing	NIL

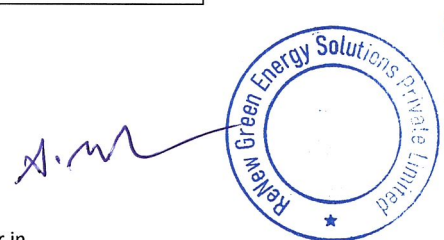
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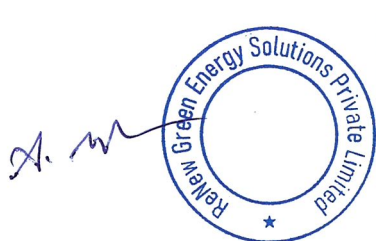
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6	Railway Line Crossing	NIL
7	Minor River Crossing	NIL
8	Plain Terrain	100%
9	Undulated Land	NIL
10	Creek Area	NIL
11	Marshy Area	NIL
12	Special Tower (FDN)	NIL
13	Population	Avoided
14	Major Cities	Avoided
15	Densely Populated Area	NIL
16	Air Port	NIL
17	Sanctuary Area	NIL
18	Defence Area	NIL
19	Major Road Crossing	NIL
20	Major Canal Crossing	NIL



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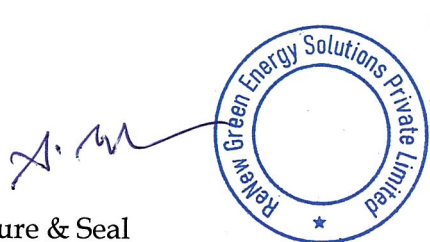
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JUSTIFICATION OF SELECTING THE PROPOSED ROUTE FOR THE CONSTRUCTION OF 33 KV D/C TRANSMISSION LINE FROM THE PROPOSED 220/33 KV POOLING SUBSTATION AT KAKKUPPI VILLAGE TO THE PROPOSED WINDFARM

Sr No	Description	Alignment-1	Alignment-2	Alignment-3
1	Bee Line (In KM)	5.54	5.54	5.54
2	Length (In km)	5.759	7.005	7.849
3	Name of District through which line passes (Karnataka)	Bellary	Bellary	Bellary
4	Villages in Alignment	Kakkuppi, Suravanahalli, Agrahara,	Kakkuppi, Suravanahalli, Agrahara,	Kakkuppi, Adavi Sooravvana, Harudi Suravanahalli,
5	Forest Area involved	6.3 Ha.	4.338 Ha.	5.178 Ha.
6	Sanctuary / Protected area involved	NIL	NIL	NIL
7	Historical / Cultural monument	NIL	NIL	NIL
8	Reason for selection of Route 2 as the proposed route	Minimum forest area in transmission line route with minimum number of tree cutting, suitable at construction engineering aspect.		

Place: Bellary
Date : 26.08.2022

Signature & Seal
Name: Suresh A
Designation: Deputy Manager
Address: Renew Green Energy Solutions Private Limited,
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