

JUSTIFICATION FOR ALREADY ESTABLISHED WIND POWER PROJECT AND FOR OBTAINING POST FACTO APPROVAL AS THE PROJECT IS LOCATED IN SECTION 4 NOTIFIED FOREST LAND UNDER KARNATAKA FOREST ACT 1963.

JUSTIFICATION FOR SELECTION OF THE SITE:

Two important reasons have prompted for considering this Hillock: -

1. The selected ridges are rocky in nature with vertical stratification. Barren, unfit for any growth of plants or trees, about 793 to 900 mts. height from the MSL, filled with huge Rocks, and virtually goes waste if not used for constructional purposes like Wind Power Projects.

2. Fortunately Karnataka has been gifted by the Nature with some of the very good windy sites in the Country. Exploring the possibilities of Potential wind sites in India are the Karnataka Renewable Energy Development Agency and C-WET have installed a wind mast for studying the wind pattern. This has yielded exemplary results with consistent wind speeds all along declaring these areas as one of the feasible wind sites in the state of Karnataka.

SITE INTRODUCTION:

The present site is already established which is named as GOGUDDA PROJECT, the area has been developed by Wind World (India) Limited. The developed area for the Wind Power Project falls in parts of Hiriyur Taluk of Chitradurga Dist. The sites are hilly terrain having plateaus with Minimum differential height of 100 to 150m from surrounding ground level.

The Energy Department, Govt. of Karnataka has accorded approval for setting up Wind Power Project vide GOs DE 26 NCE 99 dated 13.05.1999 and Enhancement Go No. DE 46 NCE 2000, Bangalore, dated: 17.07.2000. The villages covering the established site are as detailed below.

Sl. No.	Site Name	Villages
1	GOGUDDA PROJECT	1) Bharampura, 2) Gogudda, 3) Hulitotla, 4) Sooragondanahalli 5) Gaunahalli

Wind World (India) Limited

☒ **Corporate Office**

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In pursuance to the Government Order No.RD 50 LGC 99(B), Bangalore dated: 01.02.2000, and Official Memorandum issued by the Deputy Commissioner Chitradurga District vide No.LND.CR112/99-2000 dated 03.03.2000, the Wind World (India) Limited, (erstwhile Enercon (India) Limited) had established 9.6 MW wind power project in the aforesaid site in the year 2000.

Subsequent to establishment of the project in Revenue land, it was come to know after inspection and verification by the forest department that the lands mentioned in the above villages are comes under Section 4 notified land. It was clarified that due to non rectification of revenue records as well as inconsistent government orders in respect of transfers of revenue land to forest department's custody and vice versa and also the Government Order with the then cabinet approval for grant of land for establishment of the project the wind power project was established deemed to be the revenue lands. Since the project is in forest land which was declared under section-4 of the Karnataka Forest Act, approval is required to be obtained; otherwise it violated Sec-2 of Forest (Conservation) Act 1980 & Sec-24 & 82B of the Karnataka Forests Act 1963.

Subsequently an Order was passed by CCF Bellary in Appeal No.01/2012-13 dated 13-08-2013 and under Deputy Commissioner, Chitradurga District office Notice No. LND: CR: 112:99-2000 dated 21-04-2014 for obtaining *post facto* approval for the already established project under Forest conservation act 1980. In view of the above circumstances, we contended to apply for *post facto* approval of the project under FC Act.

SIZE OF THE PROJECT:

This project is established with a total capacity of 9.6 MW comprises of 16 numbers of Wind World make, Gearless wind energy converters with 600kw capacity. The towers for the wind energy converters (WEC's) will be of 45 Meters height and the Rotor diameter of the blade is of 40 Meters.

EXTENT OF LAND REQUIRED:

The Areas identified and established in this project are forest lands falling in Hiriyur Taluk of Chitradurga Dist. Detailed purpose wise breakups of the lands utilized are as mentioned in hereunder. The extent of forest lands utilized for this project is arrived at 15.944 Ha by doing DGPS Survey of the area for the establishment of 9.60 MW capacity consisting of 16 numbers of 600kw WEC's.

SURVEY DETAILS:

DGPS has carried out to survey the WEC coordinates, corridor, roads and electrical etc. All the individual locations are interconnected by intra farm road, which were aligned in 1 in 18 gradients depending on the terrain nature on hills.

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Sl. No	Land utilized For	Area in Ha
1.	WEC Platform(WMS,Inside Road, Inside Eline)	0.922
2.	Road (Outside Corridor) Area	6.045
3	Electrical lines (Outside Corridor) Area	8.930
4.	VCB yards	0.028
5.	Control Room	0.019
TOTAL IN HECTARE		15.944

COST OF THE PROJECT:

The total cost involved to setup 9.60 MW Wind Power Project is Rs. 4800.00 Lakhs.

EMPLOYMENT GENERATED:

Employment generated during the time of construction was, directly 25 (Appox.) employees and indirectly at least 75 additional employees were benefited.

BENEFICIARIES OF THE PROJECT:

Employment to the local people was given during the project implementation period and after completion as well, for maintenance of the wind energy converters. This Project is catering the partial power requirement of neighboring Hiriyur areas. As a whole, the beneficiaries of this project are the public in the surrounding area of the State of Karnataka.

CONCLUSION:

In total, for successfully completed and commissioned 9.60 MW project, a total land of 15.944 Ha is utilized, which translates in to 1.661 hectares per MW. As per the industry norms and the Ministry of Non-convention Energy Sources / State nodal agency guidelines it is generally allowed up to 10.50 ha per MW. As against this, we have utilized only 1.661 hectares/MW, which is a very optimum.

The total extent utilized for the project is arrived at 15.944 Ha includes WECs platform includes 16 WECs foundation, roads, electrical lines, Metering/VCB yards.

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In this project, the generated power from the wind farm is evacuated to our pooling Station; from there it is evacuated to state utility substation.

Justification submitted for post facto approval of the project.

For **Wind World (India) Limited**



Authorised Signatory

Wind World (India) Limited

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