

某村分散式风电项目水土保持防治措施浅析

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摘要: 某村 40MW 分散式风电项目位于河南省长垣市境内, 风能资源丰富, 风电场接入系统条件良好, 具备开发建设风电场的资源条件。在建设过程中不同程度地会产生水土流失, 严重的水土流失有可能会造成人员伤亡, 还有可能造成不同程度的经济损失, 因此在建设过程中要加强施工管理和防护措施的落实, 使项目建设对周边生态环境影响、新增水土流失的危害降到最低。

关键词: 风电; 水土保持; 防治措施; 水土流失; 建设规模

中图分类号: F426 **文献标识码:** B

A Village Decentralized Wind Power Project Project Layout

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Abstract: A 40 MW distributed wind power project in a village is located in Changyuan City, Henan Province. It is rich in wind energy resources, has good wind farm access system conditions, and has the resources conditions for the development and construction of wind farms. In the process of construction to different degrees of soil erosion, serious soil erosion may cause casualties, and may cause different degrees of economic losses, so in the process of construction management and the implementation of protective measures, make the project construction impact on the surrounding ecological environment, minimize the harm of new soil erosion.

Keywords: Wind power; Soil and water conservation; Control measures; Soil erosion; Construction scale

1 工程建设规模	7.20m	25	9.60m
40MW			
S22	S301 S302	20m	
		400m ²	13
	40MW	3.20MW	5200m ²
13	1	1.60MW	145m
140m	110KV	1	100MVA
1			
	24km	5.30km	3250kVA
	8km	10km	13
	116.40GW·h		
2910h			
2 项目组成	C25	5.50m	× 4.50m
	× 3m	2.50m	0.50m
	25m ²	13	325m ²
4			
3 风电机组			
	13		13
3.1			
		PHC	
			20m
1m	7m	0.40m	
1.70m		49	29m
			40m × 50m
6	4.80m		18
			40m

7.22

7.23

7.25

7.26

40MW

7.24

1

1

					hm ²	2.60	
					hm ²	2.05	
					m ³	0.78	
						m ²	3 900
						m ²	6 500
						m	1 040
					m ³	332.80	
					m ³	332.8	
						m ²	19 500
						m	1 560
						m ³	499.20
						m ³	499.20
					hm ²	0.44	
					m ²	1 127	
					m	150	
	C25		m ³	33.16			
	C20		m ³	23.56			
			m ³	14.73			
					m ²	1 000	
					m	90	
			m ³	28.80			
			m ³	28.80			
					hm ²	1.93	
					hm ²	1.56	
					m ³	0.58	
				m ²	2 000		

				m ²	4 000
				hm ²	5.15
				hm ²	3.75
				m ³	1.55
				m	500
				m ³	105
				m	25
				m ²	625
				kg	3.75
					336
				m ²	1 000
				kg	6
				m ²	71 000
				m ²	27 000
				m	9 000
				m ³	2 880
				m ³	2 880
				hm ²	0.48
				hm ²	0.48
				m ³	0.24
				m ²	1 200
				m	120
				m ³	38.40
				m ³	38.40
				m	380
				m ³	106.40
					1
				m ³	1.50

8 结语

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