

Wind Farm CASALDUNI

Inspector	Ing. Giacomo Rosi
Attendants to the inspection	Ing. Raffaele Petricciuolo
Inspection Date	26.10.2023

Definitions

Category of Defect	Description of Category	Results of Inspection
Minor Defect	defect to be remedied	NO finding
Major Defect	major defect to be remedied on short term	NO findings
Critical defect	safety critical defect, immediate action to be taken	NO findings
n.a.	not applicable in this type of turbine	

Findings

No.	Category	Description of Defect	Defect cat.
-	-	-	-

General Information on wind farm

1	Wind Farm Information	
1.1	Wind Farm	PARCO EOLICO CASALDUNI
1.2	Location	CASALSUNI/PONTELANDOLFO, Benevento, Campania, Italy
1.3	Status	In construction
1.4	Commissioned	-

2	Wind Turbine Information	
2.1	Manufacturer	Siemens Gamesa Renewable Energy Wind
2.2	Type / Capacity	G132 / 3.645 MW
2.3	Wind farm capacity	34.65 MW
2.4	Rotor diameter	132 m
2.5	Hub height	114 m

Minor Defect
Major Defect
Critical Defect
n.a.


defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine

Inspection

3	Access to the site		
3.1	Roads	Roads in good condition	No relevant defect raised during the inspection
4	WTG08		
4.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
4.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
4.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
5	WTG09		
5.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
5.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
5.3	WTG	Erection successfully performed	No relevant defect raised during the inspection


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6	WTG10		
6.1	Crane platform	 <p>Works completed; restoration works started</p>	No relevant defect raised during the inspection
6.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
6.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
7	WTG11		
7.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
7.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
7.3	WTG	Erection successfully performed	No relevant defect raised during the inspection

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Critical Defect
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8	WTG13		
8.1	Crane platform	 <p>Restoration works completed</p>	No relevant defect raised during the inspection
8.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
8.3	WTG	Erection successfully performed	No relevant defect raised during the inspection

9	WTG14		
9.1	Crane platform	 <p>Restoration works completed</p>	No relevant defect raised during the inspection
9.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised

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			during the inspection
9.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
10	WTG18		
10.1	Crane platform	 <p>Works completed; restoration works started</p>	No relevant defect raised during the inspection
10.2	Foundation	Foundation successfully tested and backfill completed	No relevant defect raised during the inspection
10.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
11	WTG3		
11.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
11.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
11.3	WTG	Erection successfully performed	No relevant defect raised

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			during the inspection
12	WTG04		
12.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
12.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
12.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
13	WTG05		
13.1	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
13.2	Foundation	Foundation successfully tested and backfill completed	No relevant defect raised during the inspection
13.3	WTG	Erection successfully performed	No relevant defect raised during the inspection
14	Underground MV line		
14.1	Trenches and cable laying	Works ongoing, the cable line of the seven turbines plot is completed, the MV joints are to be installed between the first and the second week of November.	No relevant defect raised during the inspection

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MV line joints



Cable coils stored near the substation for the completion of the remaining 700 meters of the MV cable line of the 3 turbines plot.

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15	Electrical Substation		
15.1	Civil works	Minor civil works completed. Almost completed the restoration of access roads for blades transport	No relevant defect raised during the inspection
15.2	Cabins	Completion of the floor ongoing 	No relevant defect raised during the inspection
15.3	MV/HV Transformer	Completion of the substation, permanent gate installation ongoing 	No relevant defect raised during the inspection

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