

Casalduni 34.7 MW Wind Farm, Campania, Italy Parco Eolico Casalduni House S.r.l.

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Note

Unless differently stated, this Report has been prepared on the basis of the information gathered and/or project documents reviewed up to the cut-off date of February 26, 2021.

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1 Executive Summary

This construction report covers the period of February 2021 (the "Reference Period") and provides information on the status of the main construction activities, based on the documents made available by the Project Company on February 26, 2021.

Overall Progress

The works have not started yet, following the delivery of the Decree of Proroga EIA. In this regard, as clarified by the Client [3], it will not affect the delay on the main delivery components from Siemens Gamesa foreseen on September 2021.

As so far, in accordance with the main activities planned at the beginning of the works are related to the following:

- UXO (Unexploded Ordinances): Partial clearance of part of the area completed and partial acceptance obtained;
- Archaeological surveys: archeological assistance with the University of Salerno will be initiated along with the start of activities;
- Foundations: Seismic authorization obtained for 8 WTGs. For WTG03 and WTG18 and the Substation the procedure is still pending.

Moreover, it has been stipulated a contract with Siemens for the electromechanical supply. In relation to contracts, the Client foreseen to sign contracts with the suppliers for the following materials/works:

- Supply MV and F.O. cables (Nexans)
- Supply Concrete Plinth and Piles
- Supply Additives Foundations
- Supply Cave dry materials
- Subcontact earth moving
- Subcontact Treatment at lime
- Subcontact Piles
- Subcontact Carpenter

Budget

No EPC contract payment milestones have occurred in the Reference Period.

The costs are related to the advance payment EPC occurred in July 2019 and the WTG Contract/SSE Contract stipulated in December 2020 for a total amount of 12,007.6 k€.

Permitting and Land acquisition/concession

- (Partial) first UXO (Unexploded Ordinances) with positive result obtained. In progress UXO for the small remining areas of the definitive occupation (SSE, WTG4) and some municipality roads
- Seismic authorization obtained for 8 WTGs upon to 10 WTGs. The seismic authorization for WTG18 and WTG03 has been ledged and waited for a response, following in March the deposition of the Substation infrastructures.
- It has been stipulated the concession with the Province of Benevento for the laying of the cable duct in the provincial roads and for the adjustment for the transport of the aerogenerator components. It is foreseen the concession with ANAS, which manage the other municipality roads.

HSE

Safety and Coordination Plan were issued in the Reference Period [1].

Site Visit

To be planned in accordance with new time schedule / progress of site activities.

2 Background

The Casalduni WF (the "Project" or the "Wind Farm"), with a total capacity of 34.7 MW consisting of 10 Siemens-Gamesa G132-3.465MW with a hub height of 114 m, received the EIA Decree on November 22, 2014 and has been authorized by the Campania Region according to the D.Lgs. 387/2003 ("Autorizzazione Unica" or "AU") on March 22, 2016. On November 27, 2019 by the AU Decree n.465, the Campania Region issued the Single Authorization for the Project as "Variante".

The Wind Farm is owned by Parco Eolico Casalduni House Srl (the "Project Company" or the "PC" or the "Client"), which in turn is owned by Renexia SpA (the "Sponsor").

In the 2018, Fichtner has been mandated for the lender's engineering activities for the benefit of each financial institution providing debt service to the Project Company according to their individual needs.

As informed by the Sponsor, the Project applied to the third auction in accordance with the DM July 4, 2019. The auction ranking results will be available in September 2020.

In this framework new turbine supply and O&M contracts (TSA and ISP) have been signed with the Danish WTG manufacturer Siemens Gamesa on December 2020.

Fichtner Italia ("Fichtner" or the "TA" or "LE"), mandated as lender's engineer, has been requested to provide a Construction Report related to the update status of the Project.

During this exercise, the TA has liaised with, or received information from, representatives of the following parties:

- Parco Eolico Casalduni House (PECH) as SPV;
- Renexia as Sponsor

3 Introduction

This report aims to provide the Lenders with the status of the main project construction activities for the Reference Period.

The works mainly consist of:

- Building and installation of 10 WTGs composed by 9 deep foundations (piles) and 1 foundation that transfer the lead directly on the terrain, for a total installed power of 34.65 MW;
- Execution of the MV cable-ducts;
- Construction of the SSE for the MV/HV transformation of the produced energy;
- Construction of the HV cable duct connected with the RTN¹ line.

All the WTGs are located in Municipality of Casalduni, grouped into two clusters: WTG03, WTG04 and WTG05 belonging to the first cluster and the WTG08, WTG09, WTG10, WTG11, WTG13, WTG14 and WTG18 are in second cluster, while the SSE is located in the Municipality of Pontelandolfo, nearly the existing substation RTN.

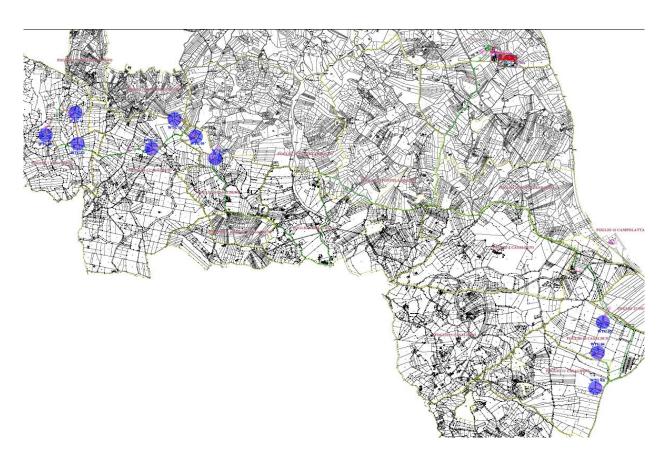


Figure 3-1 – Layout of all WTGs and SSE

¹ "Rete elettrica di Trasmissione Nazionale"

4 Contractual structure

The Project foresees a contractual structure, summarized in the following figure and table:

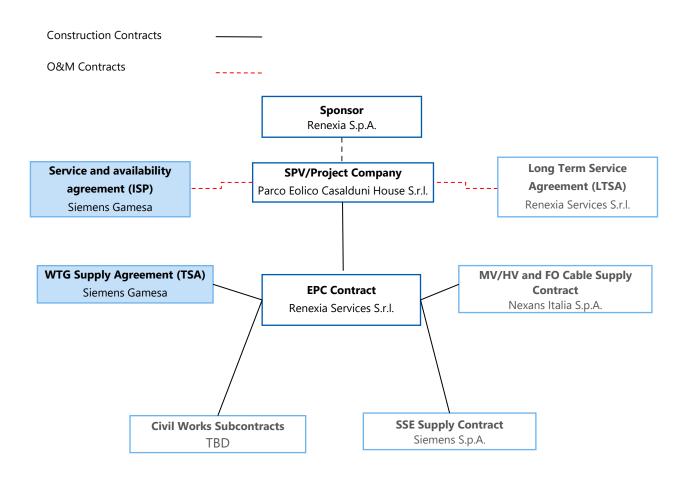


Table 4-1: Casalduni WTG Project Contracts

The new contractual scheme technically covers all the main activities related to the procurement, construction/erection/installation and testing of the Project. This structure will expose the EPC contractor to risks coming from their direct involvement on several responsibilities pertaining to transportation and WTG's towers supply and installation/testing.

5 Overall Project schedule and Progress

The dates of the construction milestones are reported in the overall project schedule of the Wind Farm provided to the TA at DD phase compared with the new time-table to be attached to the EPC amendment [2]:

Event	Time-schedule [21]	TA's comments
Construction Contracts	Done	The Notice to Proceed (NTP) signed in the mid of January 2021 between the EPC contract and the TSA (Siemens Gamesa).
UXO Survey	Partially Done	Partial UXO authorization obtained. In progress the procedure for small remining areas (SSE, WTG4).
Start of Site Works	Not started yet	The start of Site works has not been started yet, due to the delivery of the Decree of Proroga EIA. The works are foreseen starting the first days of March.
WTGs delivery on site	15/12/2021	The delivery of WTGs on site is foreseen starting on September 9, 2021 and to be delivered on site at mid-December 2021. However, as clarified by the Client, albeit the works have not started yet (expected starting works in March 2021), the delivery on site will be not subject to a delay. The TA has not identified critical issue.
MV Cables delivery on site	31/03/2021	The MV Cable delivery on site is foreseen starting on March 11, 2021.
HV Cables delivery on site	1/09/2021	The HV delivery on site is foreseen starting on August 26, 2021.
WTGs foundations completion	6/10/2021	The foundation works are foreseen to be finalized on October 6, 2021.
20/150kV SSE Energization	10/11/2021	The energization of the Electrical Substation is foreseen on November 10, 2021.
MV Cables and F.O: installation	From to 13/05/2021 to 27/10/2021	Carried out by Nexans Italia S.r.l. The works will be finalized on October 27, 2021.
WTGs installation	From 9/9/2021 to 20/04/2022	The installation of all WTGs is foreseen to be finalized on April 20, 2022.
WTGs Erection	15/12/2021	The erection of the all WTGs will be completed on December 15, 2021.

Mechanical Completion WTGs	From 14/10/2021 to 19/01/2022	The Mechanical Completion is foreseen to be finalized on January 19, 2022.
WTG Energization	From 16/12/2021 to 26/01/2022	According to the project schedule, the date to energize the Wind Farm will be on January 21, 2021.
WTGs trial tests	From 27/01/2022 to 23/03/2022	The test run of the WTGs will be completed at the end of March 2022.
WTGs Take Over	From 17/03/2022 to 20/04/2022	The WTGs Take Over is foreseen to be finalized on April 20, 2022.
Wind Farm Take Over	27/04/2022	The TO is foreseen to be on April 27, 2022 and will be delivered following the final inspection.

With reference to the time schedule provided and updated in November 2020 as annex of the new amendment of the EPC contract [2], as well as considering the capabilities of the contractors, the TA reasonably expects the works to be completed not later than the 2Q2022.

Moreover, the TA understands that, although the works have not been started yet, due to the delivery of EIA Decree of Proroga, this does not have impact regarding the WTGs delivery on site foreseen the first days of September 2021, as reported in the time schedule and clarified by the Client [3].

6 Budget

The incurred construction costs amount, on the basis of the EPC Contract milestones, are reported in the table below.

Month	SAL [k€]	%	Milestone	
4 July 2019	10,954.3	26%	Advance payment EPC	
Oct-19	-	0.0%		
Nov-19	-	0.0%		
Dec-19	-	0.0%		
FY19	10,954.3	26.0%		
Jul-20	-	0.0%		
Aug-20	-	0.0%		
Sep-20	-	0.0%		
Oct-20	-	0.0%		
Nov-20	-	0.0%		
Dec-20	1,053.3	2.5%	WTG Contract/SSE Contract	
FY20	1,053.3	2.5%		
Jan-21	-	0.0%		
Feb-21	632.0	1.5%	Cable Supply Contract	
Mar-21	842.6	2.0%	Cables EXW	
Apr-21	842.6	2.0%	Cables delivery on site	
May-21	2,527.9	6.0%	Site Delivery Anchor blots	
Jun-21	1,264.0	3.0%	Transformer EXW	
Jul-21	16,431.5	39.0%	No. 10 WTG EXW/SSE EXW	
Aug-21	-	0.0%		
Sep-21	-	0.0%		
Oct-21	1,264.0	3.0%	WTG Foundation completed – MW Cable and FO installation completed	
Nov-21	-	0.0%	- Caracatacon competica	
Dec-21	-	0.0%		
FY21	23,804.6	56.5%		
Jan-22	1,264	3.0%	Cables protection - start of delivery on site	
Feb-22	-	0.0%		
Mar-22	842.6	2.0%		
Apr-22	4,213.2	10.0%	Civil Works Substation start	
FY22	6,319.8	15.0%		

Table 7: EPC Contract Milestones status

In the new EPC Contract milestones structure the expected milestones marked in blue in the above table has not been achieved in the reference period (February 2021).

7 Permitting and Lands rights

An updated status of the authorization process and events occurred in the Reference Period, related to permits and land rights, is provided in the following, based on the information provided by the PC report [1].

7.1 Permitting

The first partial testing BOB (UXO -unexploded ordnance) were obtained. For the small areas occupied by SSE and WTG04 and the municipality roads, the BOB authorization is still pending.

The Seismic Authorization for the 8 WTGs were obtained, excepted for the WTG03 and WTG08, which are still in pending, although the seismic authorizations were deposit.

Regarding to the EIA, the procedure is still pending due to the Decree of Proroga, which is expected after the issue of the positive opinions of the EIA commission of the MATTM and MIBACT.

7.2 Lands rights

The private parcels affected by the project were acquired or subjugated through notary agreements already in August 2020. The payments related to the lands of the owners and/or deposit to MEF are the phase of conclusion.

It is foreseen in the end of April 2021 the obtainment of the authorization regarding to the temporary areas necessary for the construction site.

Province of Benevento: the concessions for cable duct installation and the related works for external roads adjustment were obtained.

Pontelandolfo Municipality: the authorization for laying the cable duct obtained, it has been issued the insurance and the stipulation of the concession is in final stage.

Casalduni Municipality: the authorization for the cable duct installation is still in pending. ANAS: the authorization for the external roads adjustment is still in pending.

8 HSE

Safety and Coordination Plan were issued in the Reference Period [1].

9 Site Visit

To be planned in accordance with new time schedule / progress of site activities.

Key References

Doc. Ref.	Title	File Name	Version / Date
1	Construction Report	210224 – report costruzione.pdf	February 26, 2021
2	Time schedule	Renexia Services P.E.C.H. – Programme nov2020.pdf	February 23, 2021
3	Clarifications	Email 22.02.2021	February 2021

Abbreviations

BOP Balance of Plant
CAPEX Capital Expenditures

EXW EX Works (Franco Fabbrica)

HV High Voltage
IB Installation Barge

IEC International Electrotechnical Commission

JUV Jacking-Up Vessel

kW Kilowatt

kWh Kilowatt-hour

LD Liquidated Damage

LV Low Voltage

MCR Major Components Replacement

MLA Mandated Lead Arranger

MP Monopile

MW Megawatt (1,000 kW)

MWh Megawatt-hour (1,000 kWh)

MV Medium Voltage

O&M Operation and Maintenance

PC Project Company

SCADA Supervision Control and Data Acquisition

TA Technical Advisor
TOC Take Over Certificate
VAT Value Added Tax

WF Wind Farm

WTG Wind Turbine Generator