

Casalduni 34.7 MW Wind Farm, Campania, Italy

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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 April 23, 2021.

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1 Executive Summary

This construction report covers the period of March 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 April 23, 2021.

Overall Progress

The works are foreseen to be started in the mid of May [3], following the obtainment of the EIA Decree of *Proroga* on March 24, 2021. In this regard, the TA understands that 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:

- The Executive Project of the Electrical Substation is still pending, due to the foundations design are ongoing and under analysis, although Siemens has already provided technical inputs for the Substation. As confirmed by the Client [3], it is foreseen to deposit the Executive Project to Genio Civile in the end of May 2021.
- UXO test (Unexploded Ordinances): the first partial explosive ordinance clearance testing was obtained, and it is foreseen to request the second and last of remaining areas partial UXO test in the end of April 2021. In the mid of May, the UXO test is expected to be carried out.
- Archaeological surveys: archeological assistance with the University of Salerno will be started along
 with the start of activities expected to be in the mid of May 2021;
- Foundations: Seismic authorization obtained for 8 WTGs. The additional documents required by the Genio Civile for WTG03 and WTG18 will be conducted at the end of April 2021 and for the Substation the deposit of seismic authorization was carried out.

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
- Subcontract earth moving
- Subcontract Treatment at lime
- Subcontract Piles
- Subcontract Carpenter

<u>Budget</u>

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, as well as the Cable Supply Contract in February 2021 for a total amount of 12,639.6 k€.

Permitting and Land acquisition/concession

- The land rights were obtained on August 1, 2020. The payment for the land costs related to the landowners and MEF are in final phase (90% of the payment has been conducted). The remaining part is expected to be finalized before the starting of the works;
- The land rights for provisional areas are foreseen to be completed between May-June based on the works progress in the construction site;
- (Partial) first UXO (Unexploded Ordinances) with positive result obtained. It is expected the deposit of the second partial UXO for the small remining areas of the definitive occupation (SSE, WTG4) and some municipality roads in the end of April;
- Seismic authorization obtained for 8 WTGs upon to 10 WTGs. The additional documents required by the Genio Civile for the seismic authorization for WTG18 and WTG03 are expected to be in the end of April.;
- It has been stipulated the concession with the Province of Benevento for the laying of the cable duct obtained on July 17, 2020 and the authorization for roads adjustment on February 5, 2021.;
- The concession of the cable duct line was obtained from the Pontelandolfo Municipality on April 13, 2021:
- The authorization from the Casalduni Municipality for the cable duct is still pending and it is foreseen to be obtained in May;
- The ANAS authorization for roads adjustment was obtained on March 29, 2021;
- EIA Decree of Proroga was obtained March 23, 2021 with positive comments from MATTM and MIBACT.

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.

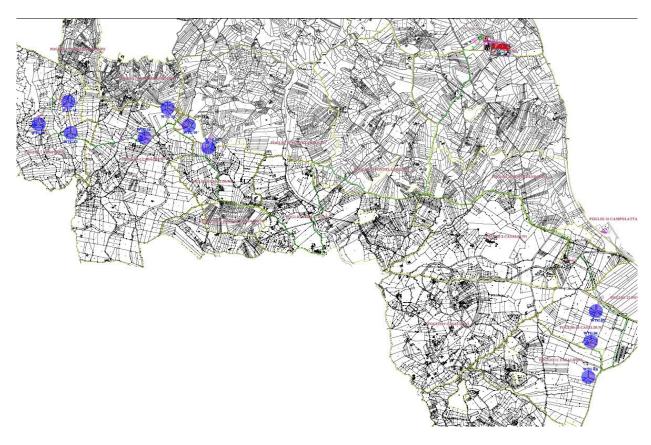


Figure 3-1 – Layout of all WTGs and SSE

¹ "Rete elettrica di Trasmissione Nazionale"

4 Contractual structure

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

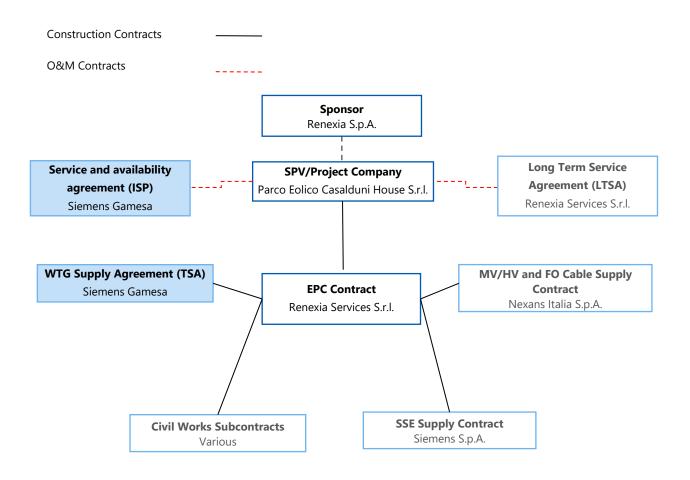


Table 4-1: Casalduni WTG Project Contracts

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	First Partial UXO authorization obtained. The submission for small remining areas (SSE, WTG4) is foreseen to be in the end of April and the UXO test is expected to be conducted by May.
Start of Site Works	In the mid of May	After the obtainment of the Decree Proroga VIA on March 23, 2021, the site works is foreseen to be started in the mid of May. The TA has not identified critical issues.
WTGs delivery on site	From 09/09/2021 to 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.

The TA understands that, although the obtainment EIA Decree of Proroga on March 23, 2021 and the start of works is foreseen to be in the mid of May, 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%	
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%	

Tabella 6-1: EPC Contract Milestones status

As reported in the above Tabella 6-1, the milestone "Cables EXW" marked in blu has not been completely achieved in the Reference Period (March 2021), due to the production of cables 1x240mm2 expected to be ready in the end of May 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 submission for second partial UXO test is expected to be in the end of April, as well as the UXO test is foreseen to carried out in May.

The Seismic Authorization for the 8 WTGs were obtained, excepted for the WTG03 and WTG08, whose additional documents required by the Genio Civile will be carried out at the end of April. Instead, the seismic authorization for the substation were deposit.

The obtainment of the EIA Decree of *Proroga* was on date March 23, 2021 [7], which acquired the positive opinions from the EIA commission of the MATTM and MIBACT.

7.2 Lands rights

The private parcels affected by the project were acquired through notary agreements already in August 2020. The payments related to the lands of the owners and/or deposit to MEF are at the phase of conclusion (almost 90% of the payment done). The remaining part is expected to be finalized before the starting of the works.

The land rights for provisional areas are foreseen to be completed between May-June based on the works progress in the construction site.

Province of Benevento: the concessions for cable duct installation were obtained on July 17, 2020 [8] and the related works for external roads adjustment on February 5, 2021 [5]

Pontelandolfo Municipality: the authorization for laying the cable duct was obtained on April 13, 2021 [4].

Casalduni Municipality: the authorization for the cable duct line is expected to be finalized in May [3].

ANAS: the authorization for the external roads adjustment was obtained on March 29, 2021 [6].

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	210331 – report costruzione Casalduni.pdf	April 16, 2021
2	Time schedule	Renexia Services P.E.C.H. – Programme nov2020.pdf	February 23, 2021
3	Clarifications	Email 22.04.2021	April 20, 2021
4	Pontelandolfo Municipality Concession	Prot_Par 0003131 del 13-04-2021 - Documento CCF_000073.pdf concessione 21 del 05022021 SP95.pdf	April 23, 2021
5	Province Benevento for roads adjustment concession	concessione 22 del 05022021 SP87.pdf	April 23, 2021
6	ANAS authorization for roads adjustment	220882.pdf 220892.pdf	April 23, 2021
7	EIA Decree Proroga	ID_VIP_4993_Parere_SCVIA_n_128 (1).pdf MATTM_2020-0094513 (1).pdf	April 23, 2021
8	Province Benevento for cable duct line concession	UFFICIALE.2020.0017445_disciplinare.pdf p_bn.REGISTRO UFFICIALE.2020.0017474_disciplinare.pdf p_bn.REGISTRO UFFICIALE.2020.0017314_disciplinare.pdf	April 23, 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