



DERALA WIND FARM COMPLEX (DERALA, DERALA WEST, DERALA SOUTH) 158.4 MW BOSANSKO GRAHOVO

Location	Derala Wind Farm Complex (Derala, Derala West, Derala South) Total Installed Capacity 158.4 MW in Bosansko Grahovo The project is in western Bosnia and Herzegovina, within the Municipality of Bosansko Grahovo, close to the Croatian border and approximately 250 km from Sarajevo. The site benefits from good logistics accessibility, with transport routes from the ports of Split and Šibenik at approximately 92 km. The wind farm area is situated in an open, high-altitude landscape, with an average elevation of approximately 1,000 m above sea level, characterized by favourable wind conditions with predominantly northern wind directions.
Type	**The Derala Wind Farm** consists of **three distinct wind farm projects** within a single concession area: WF Derala, WF Derala South, and WF

	Derala West, with a combined installed capacity of 158.4 MW. A preliminary turbine concept has been developed based on the E175-7.0 MW wind turbine with power limit of 6.6 MW and a hub height of 112 m, used for layout optimization and energy yield assessment.
Installed net electric power	Project is developed in two phases (due to the grid connection limitations). **Phase 1**: 13 WTG ~ 85,8 MW; **Phase 2**: 11 WTG ~ 72,6 MW
Electricity generation	• 635 725 MWh Park Gross AEP • 554 397 MWh Park AEP net • 22 665,5 MWh per turbine AEP Net • 3.350 Full load hours Gross • 3.263 Full load hours Net • 39 % Capacity factor Net P50. • 37,2% Capacity factor Net
Total investment cost	The total indicative construction cost of all three Derala Wind Parks is approximately €158.913,600 with the breakdown listed below. All relevant project documentation is available, including permits, raw wind measurement data, wind and energy yield assessment studies, production calculations, and project financial proformas. The documentation is available in Bosnia and Herzegovina, both in hard copy and electronic format.
Civil Works	11 280 000 EUR (road construction, foundations, other civil infrastructure)
Equipment	WTG Equipment: 127 353 000 EUR (turbine supply, transport, installation) Electric cost: 20 280 600 EUR (substation, internal cabling, grid connection works, grid connection fees)
Roads	Costs related to the construction of access roads are included within Civil Works.
Other costs, project rights Total costs	Other project-related costs and development rights are included within the total investment cost. The total indicative construction cost for all three wind farms, with a combined installed capacity of 158.4 MW, amounts to approximately EUR 158.9 million.
Approvals status	The project is at an advanced stage of development, with the following key permits and approvals secured: • Concession agreements in place • Municipal approvals for construction • Project included in the Cantonal Spatial Plan (Canton 10)

	• Environmental permits obtained • Additional bird and bat monitoring is ongoing to meet international financial institution (IFI) standards, beyond legal requirements • Urban planning permits • Energy permits • Grid connection conditions secured for 2 × 110 kV, with exceptionally favourable distances and costs • Total grid connection cost for all three wind farms: approx. EUR 6.5 million • All three wind farms registered in the Transmission System Operator (NOS BiH) Balanced Users Register, ensuring transmission capacity reservation • Agricultural-to-construction land conversion completed and paid • More than 40 additional technical and legal approvals obtained as part of the permitting process • Detailed design (main construction projects) under preparation for all three wind farms • Applications for construction permits planned within next three months. • Indicative timeline to Ready-to-Build (RTB): • Phase 1 – 86 MW (Bosansko Grahovo, ~2 km from substation): 3~6 months • Phase 2 – remaining capacity (Bosanski Petrovac, ~30 km): 12 ~18 months
Investment & Technical documentation status	The Derala Wind Farm project has been developed in full compliance with applicable regulatory procedures and internationally recognized technical standards. Comprehensive technical, wind resource, and suitability studies have been carried out by both independent, reputable institutions and leading global wind turbine manufacturers, ensuring robust validation of site conditions, energy yield, and layout optimization. Independent studies and assessments were conducted by Garrad Hassan and Hrvoje Požar Institute. These institutions provided unbiased wind resource assessments, site suitability analyses, and micro sitting studies in line with the best international practices. OEM-led technical assessments, including AEP calculations, site suitability analyses, and micro sitting optimization, were performed by the following wind turbine manufacturers: Siemens Gamesa, Vestas, Nordex, Goldwind, Envision, Mingyang, Sany. The project has also been supported by internally developed feasibility studies, covering multiple financial and development scenarios.

Project schedule	The project is currently in the final stage of preparation of the Main Design, which is expected to be completed within one month. Upon completion, an application for construction permits will be submitted. Construction permits are expected to be obtained within approximately three months. The project development is structured in two phases, with distinct grid connection routes and timelines: Phase 1 is expected to reach Ready-to-Build (RTB) status within 3–6 months, as all key prerequisites have already been fulfilled. The grid connection route for Phase 1 is approximately 2 km, with no outstanding property-legal constraints. Phase 2 is planned to reach RTB status within 12–18 months. This phase requires the resolution of property and land-rights issues related to a separate grid connection route of approximately 35 km, which represents the critical path for Phase 2 development. Overall, the project is fully prepared from a technical and permitting perspective, with the Main Design and construction permits being the final steps toward RTB for Phase 1, while Phase 2 remains dependent on the completion of property-legal procedures for the extended grid connection corridor.
Project schedule	For additional information about this project, please contact FIPA either by e-mail: fipa@fipa.gov.ba or phone number: +387 33 278 080