ID	Source	Risk	Impact Description	Likelihood	Impact	Exposure	Controllability	Activity impacted	Risk owner
Tec1	Technology	Not consolidated experience in HV/MV system design and control system design	Delay in engineering and possible reworks during construction phase	High	Elevated	Important	Controllable	All the Project	Project Engineering Mng.
HSE1	HSE-Q	H2 systems to be fully tested on site. Recent legislation: checking requirements	Risk to have additional/specific safety requirements to be implemented	Moderate	Critical	Important	Controllable	All the Project	HSE Manager
Pro2	Procurement and Supply Chain	Failure in targeting the schedule due to late delivery of LLIs	Delay of offshore phase commencement (payment of LDs) and extra cost for T&I	Moderate	Critical	Important	Controllable	All the Project	Project Manager
Cli1	Client	Late delivery of CPI	Impact on erection sequence and overall schedule	High	Elevated	Important	Partially controllable	All the Project	Interface
Cli2	Client	Changes in engineering design	Design status of CPI is not frozen yet, interface points not finalized yet. There can be additional activities or modification in support/cable not foreseen at the moment	High	Elevated	Important	Partially controllable	All the Project	Interface
Cli3	Client	Handling of CPI during installation and maintenance	Additional activities as transport, logistics and handling that can affect the erection sequence and consequently the overall schedule	High	Critical	Critical	Partially controllable	All the Project	Interface
Eng2	Engineering	Misinterpretation and overlook in the FEED documentation by CTR during the Endorsement	Redesign, reworks, contractual change order, impacts in the items supplied	High	Elevated	Important	Easily controllable	Engineering	Engineering
Eng4	Engineering	Due to new technology, CTR can overestimate design due to not consolidated experience and O&G approach	Additional cost and delay in delivery	High	Average	Poor	Easily controllable	Engineering	Engineering
Pro4	Procurement and Supply Chain	Delays of ABB in the execution of preliminary engineering activities and definition of suborders for the supply of Control System and MV/LV Switchgears	Impacts on the project execution schedule (engineering, procurement and construction)	High	Critical	Critical	Partially controllable	All the Project	Project Manager
Pro5	Procurement and Supply Chain	Delivery date proposed by ABB for the supply of Gas Insulated Switchgear (GIS), during the contract execution phase exceeded the term planned in the Project Schedule	Impacts on the construction schedule since quoted delivery time by ABB (20,5 months) exceeded that foreseen in the project schedule (17 months).	High	Critical	Critical	Partially controllable	Risk closed placing PO to HYOSUNG	
Pro7	Procurement and Supply Chain	General high workload of the Vendors / Subcontractors, due to the remarkable amount of ongoing projects especially on the renewable sector	This situation may cause an impact on the delivery dates assumed during the tender phase of the project and to build-up the project schedule.	High	Average	Poor	Controllable	Procurement	Procurement
Pro8	Procurement and Supply Chain	The conflicts in Ukraine and Middle East area may have impacts on prices	Possible impacts on the prices of raw materials, components and subcontractors if the conflicts will persist in the forhcoming months	High	Minimum	Negligible	Not controllable	Procurement	Procurement
Con3	Construction and Commissioning	Overlapping of CW Project with other Projects at Piomboni Yard	The painting of the last subassembly of the module could be shifthed in a temporary shelther instead of using the main painting shop	High	Average	Poor	Controllable	Construction	Construction
Con4	Construction and Commissioning	The SOW requires to produce H2 for the commissioning phase	The production of H2 could affect the Projects in close proximity. Precautions shall be taken in time	High	Critical	Important	Not controllable	All the Project	HSE
HR1	HR	New workers from different countries will come to YPB	Language barrier could affect HSE	High	Minimum	Negligible	Easily controllable	Construction	Construction/HSE
Org1	Organization / Technology	This, as an innovative Project, may present unidentifiable inherent risks not detected neither by Contractor nor by Company.	Unknown factors may have impact on the schedule	High	Critical	Important	Partially controllable	All the Project	Engineering
Org2	Organization	A Project more oriented to E&I installation and Commissioning requires a high level of control of dust and humidity on the deck	Additional / specific activities to be implemented in the Yard to make the area / facilities suitable to the scope	High	Average	Poor	Controllable	Construction	Construction
Pro10	Procurement and Supply Chain	HV Switchgear (GIS) manufactured in South Korea, difficulties in controlling the shipment	Delays in activities on critical path as GIS installation, connections, mech. completion and commissioning	High	Average	Poor	Controllable	Procurement	Procurement
Con5	Construction and Commissioning	Overlap with other Projects in the use of Terex cranes	Delay in critical lifts	High	Elevated	Important	Easily controllable	Construction	Construction
Pro12	Procurement and Supply Chain	Late delivery of the technical rooms	Delay in Upper Deck major lift(s)	Poor	Minimum	Negligible	Easily controllable	Procurement	Procurement
Pro14	Procurement and Supply Chain	Transition Piece and Monopile flanges haven't been manufactured at the same time / factory	Failure in matching the two flanges during installation phase	Moderate	Critical	Important	Controllable	Installation	Engineering
Eng5	Engineering	Uncertainties in complete understanding of TIV requirements	Delay in obtaining Platform certification by Certification Agency	Moderate	Elevated	Poor	Easily controllable	Engineering	Quality
Eng6	Engineering	Insufficient capacity of the Davit Crane (1 ton)	Possible delay in offshore operations	Very high	Minimum	Poor	Easily controllable	Engineering	Engineering
Eng7	Engineering	Late definition of the Optional items (Nitrogen and Monorail)	Structural and process changes with an impact on what has already been designed	Moderate	Average	Poor	Controllable	Engineering	Engineering
Pro16	Procurement and Supply Chain	Provision of additional equipment for Control Room on yard	Delay in the commissioning activities	Moderate	Minimum	Negligible	Easily controllable	Commissioning	Commissioning