

Shapoorji Pallonji Energy obtains CLASS Concept Design AIP for NEWBUILD FPSO HULL

27th October 2023, Singapore: Shapoorji Pallonji Energy Pvt Ltd (SP Energy) announces that it has obtained a CLASS AIP (Approval-in-Principle) for the Concept and Design Basis of its FPSO Newbuild Hull from ABS (American Bureau of Shipping).

SP Energy had been working on the concept design of '**STERLING STREAMLINE**', a new generation of its standardized newbuild hull concept design for large FPSOs, since July this year. The new FPSO hull will be designed for circa 33 service years lifespan with topsides capacity of up to 65,000 MT of wet weight. It will house an integrated accommodation for a minimum of 200 personnel. The FPSO will be planned for various mooring configuration flexibilities. It will feature a nominal 60 risers and umbilical slots riser balcony, with an oil processing capacity of up to 250,000 barrels per day and storage capacity of minimum 2.2 million barrels of crude oil.

Mr. Ravi Shankar Srinivasan, CEO, SP Energy, conveys that **STERLING STREAMLINE** is a technologically advanced client-focused design that is sustainable, adaptable, reliable and efficient. The standardised hull design facilitates early production with smart plug-and-play topsides configuration to suit varied field requirements. It is best suited for deepwater projects catering to geographies such as Brazil, Guyana, Suriname and West Africa.

Mr. Ravi Shankar said, "This achievement would not have been possible without the full support of ABS. Both organizations were fully engaged in the development of the Concept AIP process to ensure that various stakeholder expectations were not only met but exceeded."

SP Energy opted to undertake this initiative leveraging its significant in-house capabilities. Mr. Ankit Garg, President Projects, SP Energy said, "It was paramount that the design was developed in-house in order to ensure the SP Energy team could capture the essential design elements and streamline the process with the greatest attention to details. SP Energy's Engineering team are well-versed with ship design, with personnel that have undertaken multiple similar endeavours in the past."

Mr. Subhojyoti Lahiri, General Manager Engineering of SP Energy is immensely proud of his team for embarking on this exciting journey. "SP Energy had gone back to the drawing board, to optimize a design that will cater to customer requirements, have minimal carbon footprint and be future-ready. This will define SP Energy's approach to drive efficiency and continue to deliver future projects on-time, on-budget."

Mr. Miguel Hernandez, ABS Senior Vice President, Global Offshore, said: “ABS is proud to support SP Energy through the development of its FPSO Newbuild Hull design. With increasing demand for large FPSOs, constraints in the supply chain and sustainability considerations becoming increasingly important for offshore field developments, the STERLING STREAMLINE offers a promising solution to help meet market needs.”

SP Energy’s design team will be engaging with various construction shipyards in the Far East and the Middle East to ensure that the design caters for maximum flexibility and ease of build.

With the Concept Design AIP for the Newbuild FPSO Hull in-hand, SP Energy is forging ahead to further develop design details for a FEED-ready Newbuild FPSO Hull design, expected to be completed by Q1 2024.

About Shapoorji Pallonji Energy

Shapoorji Pallonji Energy Private Limited (‘SP Energy’) is a wholly-owned subsidiary of the globally diversified Shapoorji Pallonji And Company Private Limited. SP Energy aims at being a premier global company in the oil & gas value chain, encompassing floating solutions and regasification, to help meet world energy demands. Our focus is on creating global benchmarks in design & engineering, Engineering Procurement Construction Installation and Commissioning and delivering excellence in operations and maintenance of floating assets, using innovative technologies with the high standards and strict compliance to Health, Safety and Environment. To know more, please visit: www.shapoorjipallonjienergy.com

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