Base Load Power Hub (BLPH)

CONTROL VALVES

SPIR (COMMISSIONING, 2-YEARs OPERATION)

Document Number: 1724000740-IN-LIS-00018

Document Class: 2

Rev.	Date	Description	Prepared	Reviewed	Approved
01	01/08/2024	Approved for Construction (AFC)	MT	MT	MT
00	17/07/2024	Issue for Review (IFR)	MT	MT	MT

Table of Contents

SH.	DESCRIPTION	REVISIONS							
		00	01						
1	Cover	X	X						
2	Table of Contents	X	X						
3	Revision / Change Log	X	X						
4	References	X	X						
5	SPIR (Commissioning, 2-Years Operation)	X	X						

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Revision / Change Log

Rev.	Description
00	ISSUE FOR REVIEW (IFR)
01	APPROVED FOR CONSTRUCTION (AFC)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO
Document Title:	SPIR (COMMISSIONING, 2-YEARs OPERATION)	Sh. 4 of 5 Date: 01/08/2024 Rev. 01

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

ROSETTI MARINO

SPARE PARTS LIST

CROSSWIND

Document Title	SPIR (COMMISSIONING, 2-YEARs OPERATION)
The document relates to	HOLLANDSE KUST NOORD WIND PARK Prj. — Contract: CW-I-WP4-2023-05
Project ID	123A90A — Doc. n° 123A90-XXX-XX-XX-0000 — Rev. — Rev. Date — Status — Class

The equipment consists of the following units/components

1	Tag no.	25-FY-031	25-FY-032	25-FY-033	25-FY-034	25-FY-036	25-FY-038	25-FY-035	25-FY-037	25-FY-040	25-FY-043	25-FY-046	25-FY-049	25-PV-055A	25-PV-055B	64-PV-031A	64-PV-031B		
2	Tag description	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE	1EQP174 ACTUATED VALVE		
3	Manufacturer model/type no.	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407	CV-8407		
4	Manufacturer serial no.	2400383	2400384	2400385	2400386	2400387	2400388	2400389	2400390	2400391	2400392	2400393	2400394	2400395	2400396	2400397	2400398		
5	No. of units	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

Supplier: AST SPA — PO Number: 1724000740 123A90A — PO description: CONTROL VALVES — Contact name: MR. ROBERTO CATTANEO

Address: VIA MERENDI 40, 20007 CORNAREDO (MI), ITALY — Supplier telephone no: +39 02 9348481 — Contact mobile no:

E-mail: service@astspa.it — WEBSITE http://www.astspa.it/

General Information:

6 — Quantity of parts FITTED / INSTALLED per unit / component

Item Number	Total number of identical spares installed	Description of recommended spare parts	Parts/drawing ref. Project Datasheet no.	Parts/drawing ref. Project Detail dwg. no.	Parts/drawing ref. Item ref.	Material	Certificate Type (if applicable)	Certificate Reference (if applicable)	Shelf life (years)	Weight (net)	Weight (gross)	Volume	HS Code	ECCN Code	% US Content	Country of origin	Supplier part no.	Manufacturer part no.	Manufacturer name	Commissioning spares: Quantity ordered	2 Years spares: Quantity ordered	Remarks
7		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	6	SEAT	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0100AA	2	ASTM A479 316/316L							8481.90(00)			IT	24022101005ES6	24022101005ES6	AST SPA		2	
2	6	KIT ASSEMBLED PLUG+STEM	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0100AA & 240221-0400AA	3+21+16	ASTM A479 316/316L+PTFE + ASTM A479 316/316L+ ASTM A479 316/316L							8481.90(00)			IT	KIT00ST404	KIT00ST404	AST SPA		2	
3	8	KIT PACKING RINGS	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0100AA	6	PTFE							8481.90(00)			IT	KIT0042215	KIT0042215	AST SPA	1	8	
4	6	GASKET	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0100AA	13	Graphite with AISI 316 reinforcement							8481.90(00)			IT	GK230640EP	GK230640EP	AST SPA	1	6	
5	6	SEAT	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0200AA	2	ASTM A479 316/316L							8481.90(00)			IT	24022102005ES6	24022102005ES6	AST SPA		2	
6	6	KIT PACKING RINGS	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0200AA	6	Graphite							8481.90(00)			IT	KIT0041118	KIT0041118	AST SPA	1	6	
7	6	GASKET	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0200AA	13	PTFE							8481.90(00)			IT	GK230904EP	GK230904EP	AST SPA	1	6	
8	6	KIT ASSEMBLED PLUG+STEM	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0200AA	3+21+16	ASTM A479 316/316L+PTFE + ASTM A479 316/316L+ ASTM A479 316/316L							8481.90(00)			IT	KIT00ST104	KIT00ST104	AST SPA		2	
9	1	SEAT	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0300AA & 240221-0500AA	2	ASTM A479 316/316L							8481.90(00)			IT	24022103005ES6	24022103005ES6	AST SPA			
10	1	KIT ASSEMBLED PLUG+STEM	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0300AA & 240221-0500AA	3+21+16	ASTM A479 316/316L+PTFE + ASTM A479 316/316L+ ASTM A479 316/316L							8481.90(00)			IT	KIT00ST202	KIT00ST202	AST SPA			
11	2	KIT PACKING RINGS	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0300AA	6	Graphite							8481.90(00)			IT	KIT0043406	KIT0043406	AST SPA	1	2	
12	2	GASKET	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0300AA	13	PTFE							8481.90(00)			IT	GK230804EP	GK230804EP	AST SPA	1	2	
13	1	KIT ASSEMBLED PLUG+STEM	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0500AA	3+21+16	ASTM A479 316/316L+PTFE + ASTM A479 316/316L+ ASTM A479 316/316L							8481.90(00)			IT	KIT00ST304	KIT00ST304	AST SPA		1	
14	1	SEAT	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0500AA	2	ASTM A479 316/316L							8481.90(00)			IT	24022105005ES6	24022105005ES6	AST SPA		1	
15	2	SEAT	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0400AA	2	ASTM A479 316/316L+ CoCr-A H.F.							8481.90(00)			IT	8407SE00900FS	8407SE00900FS	AST SPA		1	
16	2	GASKET	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0400AA	13	Graphite with AISI 316 reinforcement							8481.90(00)			IT	00GKVZ05L1	00GKVZ05L1	AST SPA	1	2	
17	2	KIT ASSEMBLED PLUG+STEM	1724000740-IN-DS-00007	1724000740-IN-DD-00005 240221-0400AA	3+21+16	ASTM A479 316/316L+ CoCr-A H.F.+ ASTM A479 316/316L+ ASTM A479 316/316L							8481.90(00)			IT	KIT00ST901	KIT00ST901	AST SPA		1	
18	10	DIAPHRAGM	1724000740-IN-DS-00007	1724000740-IN-DD-00005		Neoprene + Nylon							8481.90(00)			IT	ACA1VNDM11	ACA1VNDM11	AST SPA		4	
19	6	DIAPHRAGM	1724000740-IN-DS-00007	1724000740-IN-DD-00005		Neoprene + Nylon							8481.90(00)			IT	ACA1VNDM13	ACA1VNDM13	AST SPA		3	