

BILL OF RAW MATERIAL - FOR NEED OF BID

This "BILL OF RAW MATERIAL - FOR NEED OF BID" contains only material for the Vacuum Vessel main body weldment, the key component of the VV basic configuration (item no. 1), i.e. the most of the material (but not all) needed to manufacture the item No.1 (see Annex 3: The Price Schedule and Deliverables).
The "Vacuum Vessel basic configuration" contains other material, for example nickel alloy 625 material for the pads, or heating pipes, which are not included in this "BILL OF RAW MATERIAL - FOR NEED OF BID".

REV. 8.4.2024

Definition part (from CATIA)									Input material part					Currency (the same as the Bid price)	(RAW MATERIAL UNIT WEIGHT)
ID	VV AREA	KEY DIMENSIONS (mm)	QUANTITY (pcs.)	MATERIAL	NET WEIGHT / pc. (kg)	NET WEIGHT / TOTAL (kg)	WALL THICKNESS (mm)	UNFOLDED DIMENSIONS (mm)	INPUT RAW MATERIAL SPECS	MANUFACTURING TECHNOLOGY	RAW MATERIAL WEIGHT (kg)	PRICE/KG w/o VAT (Currency/kg)	TOTAL PRICE OF THE RAW MATERIAL w/o VAT (Currency)		
1	HFS - W/O RINGS	Ø1144 x 1220	1	nickel alloy 625	868,1	868,1	34,0	1220 x 3483,4	1230 x 3487, th. 40	Sheet, water-cut, rolling, welding	1640,0	103,7	170 000,00	EUR	1640,0
2	LFS - VERTICAL PART	Ø2650x 1019	1		1317,0	1317,0	30,0	1019 x 8231	1030 x 8231, th. 30	Sheet, water-cut, rolling, welding	2110,0	99,5	210 000,00		2110,0
3	LFS - INCLINED WALL	Ø2650x 249 (335)	2		537,7	1075,4	30,0	335 x 7581,5	355 x 7600, th. 30	Sheet, water-cut, rolling, welding	1300,0	215,4	280 000,00		650,0
4	FORGED RING	Ø1376x 150 x 150	2		279,0	558,0	-	-	1376 x 150 x 150	Forged ring	1500,0	120,0	180 000,00		750,0
5	ANNULUS UPPER	Ø2177 x 35	1		611,4	611,4	35,0	-	2180 x 35	Sheet, water-cut	650,0	200,0	130 000,00		650,0
6	ANNULUS LOWER	Ø2177 x 35	1		600,0	600,0	35,0	-	2180 x 35	Sheet, water-cut	650,0	200,0	130 000,00		650,0
7	DUH/DLH PORT STUBS	Ø160x 233	8		3,2	25,6	5,0	487 x 240	160 x 221, th. 5	Seamless tube	40,0	112,5	4 500,00		5,0
8	DUX/DLX PORT STUBS	Ø160x 163	16		2,3	36,8	5,0	487 x 170	160 x 155, th. 5	Seamless tube	64,0	112,5	7 200,00		4,0
9	DUC/DLC PORT STUBS	Ø160x 91	8		1,5	12,0	5,0	487 x 100	160 x 91, th. 5	Seamless tube	16,0	112,5	1 800,00		2,0
10	DIVERTOR PORT FLANGES	Ø203x 22,4	32	AISI 309(S)/310(S)	2,5	80,0	22,4	-	215, th. 25	Sheet, water-cut	160,0	62,5	10 000,00		5,0
11	VERTICAL PORT STUBS	Ø100 x 587	24	nickel alloy 625	8,6	206,4	5,74	298,5	100 x 587	Sheet, water-cut, rolling, welding	216,0	115,7	25 000,00		9,0
12	VERTICAL PORT FLANGES	Ø152x 19,8	24	AISI 309(S)/310(S)	1,8	43,2	19,8	-	162 x 25	Sheet, water-cut	84,0	142,9	12 000,00		3,5
13	MX PORT STUBS	560 x 556 x 205 (221)	8	nickel alloy 625 +AISI 309(S)/310(S)	24,3	194,4	8,0	221 x 2000	560 x 556 x 230	Sheet, water-cut, rolling, welding	200,0	80,0	16 000,00		25,0
14	MX PORT FLANGES	400 x 560 x 30	8	AISI 309(S)/310(S)	12,3	98,4	30,0	-	410 x 570 x 30	Sheet, water-cut	160,0	75,0	12 000,00		20,0
15	MN PORT STUBS	526 x 226 x 203	8	nickel alloy 625 +AISI 309(S)/310(S)	19,3	154,4	13,0	203 x 1310	526 x 226 x 203	Sheet, water-cut, rolling, welding	160,0	100,0	16 000,00		20,0
16	MN PORT FLANGES	264 x 564 x 30	8	AISI 309(S)/310(S)	8,4	67,2	30,0	-	274 x 574 x 30	Sheet, water-cut	80,0	200,0	16 000,00		10,0
17	VV SUPPORT BRACKET	Ø220x 365	8	nickel alloy 625	30,3	242,4	-	-	225 x 370	Sheet, machined	256,0	97,7	25 000,00		32,0
		SEMI-TOTAL	-	nickel alloy 625	-	5820,3	"Material costs of the VV main body weldment"=					9 286,0	-	1 245 500,00	
			-	AISI 309(S)/310(S)	-	370,4									
		TOTAL	-	nickel alloy 625 +AISI 309(S)/310(S)	-	6190,7						Price limitation: The Material costs of the VV main body weldment shall not be less than or more than 30 to 50 % of the price for the Vacuum Vessel basic configuration offered by the Supplier in the Price Schedule and Deliverables.			

Notes:

