

CONSULTA À INDÚSTRIA

O Cluster Tecnológico Naval-RJ **divulga** consulta à indústria da **SPE Águas Azuis Tecnologia Naval**, responsável pela construção de quatro fragatas Classe Tamandaré para a Marinha do Brasil, em busca de empresas que forneçam **tubos (pipes)**. O Prazo para informar interesse é **21 de junho de 2021**.

- **Atenção!** Somente serão aceitos itens nacionais a fim de atender cláusula contratual de Conteúdo Local.

Especificações:

STEEL PIPES

Steel pipes according to DIN EN 10220

Technical delivery conditions DIN EN 10217-1

Material: 1.0254 P235TR1

Welding seam value = 1,0

Delivery condition NP = entire pipe normalized

Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
500167	32	42,4 x 2,6	450
060683	40	48,3 x 2,6	870
060192	50	60,3 x 2,9	270
500235	65	76,1 x 2,9	90
060230	80	88,9 x 2,9	204
060250	100	114,3 x 3,2	180
060270	125	139,7 x 3,6	30
060291	150	168,3 x 4,5	72
060330	200	219,1 x 4,5	18
060156	32	42,4 x 4,5	6
060176	40	48,3 x 4,5	60
060196	50	60,3 x 4,5	750
060215	65	76,1 x 4,5	270
060234	80	88,9 x 4,5	288
060253	100	114,3 x 4,5	666
060272	125	139,7 x 4,5	138
060297	150	168,3 x 8,8	66
060316	175	193,7 x 8,8	6
060336	200	219,1 x 8,8	36
060357	250	273,0 x 8,8	18
060377	300	323,9 x 8,8	12
060160	32	42,4 x 7,1	6
060180	40	48,3 x 7,1	90
060200	50	60,3 x 7,1	192
060219	65	76,1 x 7,1	54
060239	80	88,9 x 8,0	54
060258	100	114,3 x 8,0	30
060278	125	139, x 8,0	12

Steel pipes according to DIN EN 10220

Technical delivery conditions DIN EN 10217-1

Material: 1.0254 P235TR1

Welding seam value = 1,0

Delivery condition NP = entire pipe normalized

Certificate according to DIN EN 10204- 3.2 DNV GL

Mat. no.	DN	Dimension	Quantity m
060665	32	42,4 x 4,5	90
060999	40	48,3 x 4,5	12

Precision steel pipes according to DIN EN 10305-4
 Technical delivery conditions DIN EN 10305-4
 Material: 1.0308 E235+N
 Execution: seamless cold drawn, bright annealed
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
364243	6	10 x 2,0	72
364245	8	12 x 2,0	216
364246	12	16 x 2,0	276
378027	16	18 x 2,0	36
364247	16	20 x 2,0	450
364248	20	25 x 2,5	180
364249	25	30 x 2,5	420
364250	32	38 x 3,0	18

Precision steel pipes according to DIN EN 10305-4
 Technical delivery conditions DIN EN 10305-4
 Material: 1.0308 E235+N
 Execution: seamless cold drawn, bright annealed
 Certificate according to DIN EN 10204- 3.2 DNV GL

Mat. no.	DN	Dimension	Quantity m
069197	12	16 x 2,0	60
069198	16	20 x 2,0	60
378032	20	25 x 4,0	24
069200	25	30 x 2,5	18
069201	25	30 x 4,0	54
069211	30	38 x 4,0	60
069204	30	38 x 5,0	36

Steel pipes according to DIN EN 10220
 Technical delivery conditions DIN EN 10216-3
 Material: 1.0562 P355N
 Execution: seamless pipe
 Certificate according to DIN EN 10204- 3.2 DNV GL

Mat.-Nr.	DN	Abmessung	Ges. Menge m
501612	32	42,4 x 7,1	24
501613	40	48,3 x 7,1	6
501614	50	60,3 x 7,1	108
501615	65	76,1 x 7,1	90
508009	80	88,9 x 8,0	42
501598	100	114,3 x 8,0	90
508010	125	139,7 x 8,8	36
050037	150	168,3 x 10,0	6
061006	150	168,3 x 12,5	6
500500	200	219,1 x 12,5	6
373875	300	323,9 x 12,5	6

Stainless Steel Pipes

Precision steel pipes according to DIN EN 10305-1
 Technical delivery conditions DIN EN 10216-5
 Material: 1.4571 X6CrNiMoTi17-12-2
 Execution: Material according to DIN EN 10216-5
 otherwise according to DIN EN 10305-1
 Delivery condition: CFA
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
507950	4	6 x 1,0	30
370467	6	10 x 2,0	45
507951	8	12 x 2,0	18
370468	12	16 x 2,0	30
507952	16	20 x 2,5	78
507953	20	25 x 2,5	12
507954	25	30 x 3,0	30
069259	32	38 x 4,0	6

Seamless stainless steel pipes according to DIN EN ISO 1127
 Technical delivery conditions DIN EN 10216-5
 Test category 1
 Material: 1.4571 X6CrNiMoTi17-12-2
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
069274	32	42,4 x 2,6	60
069323	40	48,3 x 2,6	60
069325	50	60,3 x 2,9	264
372084	50	60,3 x 5,0	18
069326	65	76,1 x 2,9	510
367549	65	76,1 x 5,0	6
367550	65	76,1 x 6,3	6
506442	80	88,9 x 2,9	168
369227	80	88,9 x 5,0	6
369228	80	88,9 x 6,3	6
506446	100	114,3 x 3,2	90
069334	125	139,7 x 4,0	198
506447	150	168,3 x 4,0	6
372460	200	219,1 x 4,0	6

Seamless stainless steel pipes according to DIN EN ISO 1127
 Technical delivery conditions DIN EN 10216-5
 Test category 1
 Material: 1.4571 X6CrNiMoTi17-12-2
 Certificate according to DIN EN 10204- 3.2 DNV GL

Mat. no.	DN	Dimension	Quantity m
378034	40	48,3 x 4,0	150
385155	50	60,3 x 2,9	12
386764	50	60,3 x 4,0	12
385148	70	76,1 x 2,9	144
364259	80	88,9 x 4,0	24
364262	100	114,3 x 4,0	12

Precision steel pipes according to DIN EN 10305-1
 Technical delivery conditions DIN EN 10216-5
 Material: 1.4571 X6CrNiMoTi17-12-2
 Execution: Material according to DIN EN 10216-5
 otherwise according to DIN EN 10305-1
 Delivery condition: CFA
 Certificate according to DIN EN 10204- 3.2 DNV GL

Mat. no.	DN	Dimension	Quantity m
500813	4	6 x 1,0	6
500818	6	10 x 2,0	240
500819	8	12 x 2,0	960
500815	12	16 x 2,0	570
365584	12	16 x 2,5	6
500821	16	20 x 2,5	660
365584	16	20 x 3,0	6
500822	20	25 x 2,5	258
364908	20	25 x 4,0	6
500823	25	30 x 3,0	240
364910	25	30 x 5,0	6
500825	32	38 x 4,0	132
364911	32	38 x 6,0	6

Bundle pipe
 Stainless steel bundle pipe type RZD-C
 Material: 1.4571 X6CrNiMoTi17-12-2 with PVC insulated (PVC-YM3)
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
376927	4	1x8x0,5	120
376929	4	3x8x0,5	120
376930	4	4x8x0,5	40

Pipes for press connection lines according to DIN EN ISO 1127

Technical delivery conditions DIN EN 10296-2

Material: 1.4401 X5CrNiMo17-12-2

Execution: longitudinally welded pipe, tolerance class D4-T4,

Material 1.4401 with $\geq 2.2\%$ molybdenum content (different from EN 10088).

Mechanical properties: tensile strength (Rm) = 510 to 710 N/mm²,

yield strength (Rp 0,2%) ≥ 220 N/mm², strain (d5) $\geq 40\%$.

Delivery condition: recrystallization annealed and smoothed after welding

Porosities and tarnishing are not permitted.

molded and smoothed, roughness values Ra $\geq 1,0$ and Rz $\geq 10,0$ μ m,

inner pipe surface free of scoring.

Delivery alternative Geberit system pipe Mapress

Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
506412	12	P- 15 x 1,0	1644
501476	16	P- 18 x 1,0	450
506413	20	P- 22 x 1,2	3156
506414	25	P- 28 x 1,2	2856
506415	32	P- 35 x 1,5	1182
506416	40	P- 42 x 1,5	930
506417	50	P- 54 x 1,5	790

Copper Nickel Pipes

Seamless pipes according to DIN 86019

Technical delivery conditions DIN 85004

Material: 2.1972.11 CuNi10Fe1,6Mn F30

Delivery in F29 ist permitted

Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
505421	6	10 x 1,0	6
505422	8	12 x 1,0	108
505423	12	16 x 1,0	6
505425	16	20 x 1,0	6
505426	20	25 x 2,0	36
505427	25	30 x 2,0	60
505428	32	38 x 2,0	328
505429	40	44,5 x 2,0	186
505430	50	57 x 2,0	570
505431	65	76 x 2,0	324
505432	80	89 x 2,0	240
505433	100	108 x 2,5	312
505434	125	133 x 2,5	336
505435	150	159 x 2,5	330
505436	175	194 x 3,0	6
505437	200	219 x 3,0	12
505438	250	267 x 3,0	6
505439	300	324 x 4,0	6

Seamless pipes according to DIN 86019
 Technical delivery conditions DIN 85004
 Material: 2.1972.22 CuNi10Fe1,6Mn F32
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
084716	80	89 x 4,0	12

Seamless precision pipes according to DIN 86019
 Technical delivery conditions according to DIN 85004
 Material: 2.1972.11 CuNi10Fe1,6Mn F30
 Pipe for press connection
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
505442	12	P- 15 x 1,0	321
505443	20	P- 22 x 1,0	514
505444	25	P- 28 x 1,5	481
505445	32	P- 35 x 1,5	542
505446	40	P- 42 x 1,5	694
505447	50	P- 54 x 1,5	1792

Seamless pipes according to DIN EN 12451
 Technical delivery conditions according to DIN 85004
 Material: CW352H (CUNi10Fe1MN-R290)
 Certificate according to DIN EN 10204- 3.1

Mat. no.	DN	Dimension	Quantity m
505424	6	10 x 2,0	60

LORO-X-Pipes

Steel drain pipes according to DIN EN 1123
 Material: St Zn
 Pipe LORO-X with two sleeves

Mat. no.	DN	Dimension	Quantity pieces
116279	40	500 long	15
117007	40	1000 long	15
116001	40	2000 long	25
117008	40	3000 long	30
116256	50	500 long	200
116086	50	1000 long	200
116002	50	2000 long	200
116089	50	3000 long	250
116257	70	500 long	40
116087	70	1000 long	40
116003	70	2000 long	30
116090	70	3000 long	40
116258	100	500 long	20
116088	100	1000 long	20
116004	100	2000 long	10
116091	100	3000 long	15

Desejamos sucesso em seus negócios! Caso a sua empresa forneça esse tipo de produto ou precise de mais informações, entre em contato através do e-mail oportunidades@clusternaival.org.br.

IMPORTANTE - Este informativo não faz parte de uma licitação, consistindo apenas em uma consulta sobre a existência de fornecedores na indústria brasileira.