

to the regulations of the open tender "MODERNISATION OF THE VESSEL TRAFFIC MANAGEMENT
SYSTEM OF THE FREEPORT OF VENTSPILS",
Procurement identification No. VBOP 2015/198CEF

COST ESTIMATE OF WORKS

Procurement identification No. VBOP 2015/ 198 CEF

Site name: "Modernisation of VTMS of the Freeport of Ventpils"

No.	Name of works	Measurement unit	Quantity	Unit costs (euro)	Together with the entire scope (euro)
1	2	3	4	5	6
1	Preparation works				
1.1	Project development and coordination	pc.	1.00		
1.2	FAT (Factory acceptance test) costs				
2	Dismantling works				
2.1	Mobilisation of labor and transportation to the site	set	1.00		
2.2	Radar and radar hardware in container, Southern Breakwater	set	1.00		
2.3	Radars, Kr. Valdemara str. 14 (VTMS centre)	pc.	2.00		
2.4	Weather station, Southern Breakwater	pc.	1.00		
2.5	VHF radio station, Kr. Valdemara str. 14 (VTMS centre)	pc.	5.00		
2.6	Microwave link equipment between Southern Breakwater and Kr. Valdemara str. 14 (VTMS centre)	pc.	1.00		
2.7	Containers at the Southern Breakwater	pc.	2.00		
2.8	Diesel generator at the Southern Breakwater (dismantle from container, but do not dispose)	pc.	1.00		
2.8	Radar on pilot boat Ronis	pc.	1.00		
2.9	GPS, AIS on pilot boat Ronis	set	1.00		
2.10	Tables, hardware, control blocks, etc. At Kr. Valdemara str. 14 (VTMS centre)	set	1.00		
2.11	VHF radio direction finder (RDF), Kr. Valdemara str. 14 (VTMS centre)	pc.	1.00		
2.12	Security alarm at the Southern Breakwater (dismantle from container, but do not dispose)	pc.	1.00		
2.13	Transportation of the dismantled equipment from the site	set	1.00		
2.14	Disposal of the equipment and hardware to be dismantled	set	1.00		
3	Delivery costs of the new equipment	set	1.00		
4	Installation of new equipment at VTMS Centre (Kr. Valdemara)				
4.1	Radar with antenna 7-9"	pc.	1.00		
4.2	Radar with antenna 17-23"	pc.	1.00		
4.3	VHF radio station	pc.	5.00		
4.4	UPS unit (depending on the technical solution)				
4.5	Air conditioning unit (depending on the technical solution)				
4.6	Radio direction finder (RDF)	pc.	1.00		
4.7	Automatic identification system receiver (AIS)	pc.	1.00		
4.8	Microwave link equipment between Kr. Valdemara str. 14 (VTMS	pc.	1.00		
4.9	VTMS monitors, VTMS operator and VTMS technician workplace	set.	1.00		
4.10	Stationary telephone set	pc.	1.00		
4.11	Portable radio station	pc.	1.00		
4.12	Printer for meteorology data	pc.	1.00		
4.13	VTMS operator table	pc.	2.00		
4.14	VTMS operator chair	pc.	2.00		
4.15	Electronic charts	set	1.00		
4.16	New electric wiring for VTMS equipment	set	1.00		
4.17	Brackets, materials for installation of equipment	set	1.00		
4.18	Additional works, mounting materials, equipment	set	1.00		
4.19	VTMS data recording device	set	1.00		
4.20	VTMS data record playback device with software	set	1.00		
4.21	Portable electric heaters	pcs.	2.00		
4.22	Portable electric air coolers	pcs.	2.00		
5	Installation of new equipment at Southern RS1				

No.	Name of works	Measurement unit	Quantity	Unit costs (euro)	Together with the entire scope (euro)
1	2	3	4	5	6
5.1	Radar with antenna 17-23"	pc.	1.00		
5.2	Weather station	pc.	1.00		
5.3	Microwave link equipment between Sothern RS1 and Kr. Valdemara	pc.	1.00		
5.4	New container	pc.	2.00		
5.5	Security alarm (install the dismantled)	pc.	1.00		
5.6	Diesel generator (to install the dismantled)	pc.	1.00		
5.7	Brackets, materials for installation of equipment	set	1.00		
5.8	Additional works, mounting materials, equipment	set	1.00		
6	Installation of new equipment on pilot boat Ronis				
6.1	AIS Class-B	pc.	1.00		
6.2	Electronuc chart set	pc.	1.00		
6.3	GPS	pc.	1.00		
6.4	Radar	pc.	1.00		
6.5	Heading sensor	pc.	1.00		
6.6	Additional works, mounting materials, equipment	set	1.00		
7	Installation of new equipment at Sarkanmuizas dambis 29 b				
7.1	Radar with radom type antenna	pc.	1.00		
7.2	Mast, bracket or container for radar (depending on the technical	pc.	1.00		
7.3	4G wireless router, box	set	1.00		
7.4	Radio direction finder (RDF)	pc.	1.00		
7.5	Mast or container for RDF (depending on the technical solution)	pc.	1.00		
7.6	Electric wiring	set	1.00		
7.7	Brackets, materials for installation of equipment	set	1.00		
7.8	Additional works, mounting materials, equipment	set	1.00		
8	Buoys				
8.1	Software integration in VTMS	pc.	1.00		
9	Training of VTMS operators and technicians				
9.1	Translation services	set	1.00		
9.2	Training services	set	1.00		
10	System acceptance / delivery costs				
	ITAT, SAT	set	1.00		
Total					
Overhead costs (____%)					
Profit (____%)					
Grand total					

Prepared by _____
(signature and print name, date)