EL MUSEL REGASIFICATION
PLANT GENERAL IMPLEMENTATION PLAN

ANNEX VI

EN 60079-10 ATEX ZONES FOR GASES - (Extension of areas in which there is presence of ATEX zones).

ZONE 0

ZONE 1

ZONE 2

PHASE I

STORAGE: 2 TANKS (150.000 m³ LNG)

REGASIFICATION: 800.000 m³(n)/h

PHASE II

STORAGE: 2 TANKS (150.000 m³ LNG)

REGASIFICATION: 400.000 m³(n)/h

TOTAL SURFACE : 17.55 Ha

1	LNG TANKS (3 PUMP WELLS)	Approx. volume 150 000 m³ of LNG
2	PRIMARY PUMPS	Q = 300 m³/h LNG
3	BOIL-OFF COMPRESSORS	Q = 10 000 kg/h
4	SECONDARY PUMPS	Q = 350 m³/h LNG
5	RELIQUEFIER	
6	OPEN RACK LNG VAPORISERS	Approx. Q 200 00 m³(n)/h
7	SUBMERGED COMBUSTION LNG VAPORIZERS	Approx. Q 200 00 m³(n)/h
8	EMISSARY	Capacity = 30 000 m³/h
9	ELECTRIC SUBSTATION	
10	CONTROL ROOM	
11	LEAKAGES COLLECTING BASIN OF TANK AND PROCESS AREA	
12	LEAKAGES COLLECTING BASIN OF DOCKING AREA	
13	TORCH LIQUID SEPARATOR	
14	TORCH	Q = 150 000 kg/h
15	FUEL GAS SYSTEM	
16	ODORIZATION	
17	REGULATION AND MEASURING STATION	3 + 1 lines 400 000 m³(n)/h
18	SEAWATER CATCHMENT PUMPS	Q = 5 500 m³/h
19	DCI PUMPS	
20	PLANT WATER AND DCI BASIN	
21	OFFICES	
22	DEPOSITS	
23	STORAGE FACILITIES	
24	WEATHER PROTECTION STORAGE FACILITIES	
25	FIREHOUSE	
26	UTILITIES (WATER, AIR, NITROGEN)	
27	ACCESS	
28	ZONE FOR CONTRACTORS AND MAINTENANCE	
29	LNG UNLOADING PLATFORM / DOCKING	LNG carriers to 250 000 m³ LNG
30	UNLOADING ARMS	3 x 20" + 1 x 20"
31	LNG TRANSFER LINES	
32	LNG TRUCK LOADING AREA	
33	HIGH-PRESSURE PIPELINE NETWORK	
34	PARKING	
35	TEMPORARY INSTALLATIONS	
36	FUTURE COLD SYSTEM AREA	
37	LEAKAGES COLLECTING BASIN OF LNG TRUCK LOADING AREA	