

#193787

ENERGY INFRASTRUCTURE Ltd.

UL/FM GATE VALVES

(Version 2)

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UL/FM GATE VALVES SPECIFICATION:

This document covers the technical requirements for supply and delivery of UL/FM gate valves for water and premix application. Valve shall be installing at Kamad Haifa terminal.

SITE CONDITIONS:

The valves installing shall be outdoor.
Site altitude is about 5 m' above sea level.
Ambient temperature varies between 0°C- 45°C.
Relative humidity varies between 45% - 95%.
~~The site is very close to the seashore and a corrosive industrial atmosphere.~~
Rainfall around 550 mm' / year

Technical request:

Standards:

The valves shall be UL Listed and FM approved.

Technical Requirements:

The valves shall be gate types, OS&Y type, Bolted bonnet. Bi-directional flow.

Valve Painting:

The iron valves parts shall be fusion bonded epoxy coating inside and outside (at least 250 micron).

Materials Ductile Iron:

Body / bonnet:	Cast Iron.
Yoke:	Cast Iron.
Stem	Stainless Steel.
Trim	Cast Iron.

FLANGE (CLASS RANGE):

The valves shall have flat face flanged ends.
End connections shall be drilling according to #175 flanges.

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Operation

Valve shall be hand operated + gear box

GENERAL TERMS:

The vendor shall supply the following information:

- Valve drawings.
- Valve materials list.
- UL/FM approvals.
- Maintenance instruction.
- Accessories drawings.
- List of recommended spare parts with pricing.
- Delivery date.
- Recommended list of customers including contact address.

QUANTITY TABLE:

Acc to bill of quantities.

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