



OGDCL PAKISTAN:
OIL & GAS DEVELOPMENT
COMPANY LIMITED

KPD-TAY Compression Project (Phase-II)

ISSUED FOR TENDER

REV	DATE	DESCRIPTION	ORIG	CHKD	LE	QA	PM	LOCAL REPR.	PROJ. MAN
0	6-1-2022	ISSUED FOR TENDER	HB	MD	KM	MPM	MAS		
A	29-10-2021	ISSUED FOR REVIEW	HB	MD	KM	MPM	MAS		
REVISIONS			APPROVAL					CLIENT APPROVAL	



ENAR Petrotech Services (Pvt.) Limited ,
7-B , Sector 7-A , Korangi Industrial Area ,
Karachi Pakistan

TITLE:

SPECIFICATION FOR IRONMONGERY

PROJECT NO.
14-0258

DOCUMENT NO:

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KPT-TAYCOMPRESSION PROJECT
SPECIFICATION FOR IRONMONGERY

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1.0 GENERAL

- 1.1 All Ironmongery shall be of first quality and shall be obtained from an approved manufacturer. Butt hinges are to be aluminum alloy with silver anodized finish with double stainless steel washers.
- 1.2 The samples of all items of Ironmongery shall be submitted to OGDCL / OGDCL's Representative for approval.
- 1.3 All doors shall be provided with an approved doorstop plugged and screwed to the floor. The size, materials, finishes, type and quality of Ironmongery shall be as described in the specification.

2.0 FITTINGS AND TESTING

- 2.1 All screws used for fixing Ironmongery shall be of the correct type, material, finish, size and shape.
- 2.2 The hinges on which doors, windows, fly screen doors etc. are hung shall be carefully housed or let into the door, window, fly screen door etc., and to the frames.
- 2.3 On completion of all locks, latches and similar items of Ironmongery they shall be properly cleaned, tested and oiled and all keys shall be clearly labeled with tags approximately 50 × 20mm and securely fixed to the keys and handed to OGDCL / OGDCL's Representative.

All locks are to be provided with 3 keys on a key ring neatly labeled to indicate clearly the appropriate lock.

- 2.4 Doors shall be hung and trimmed with hardware as specified. All the locks shall be installed at the same height. Knob locks and knob latches shall be located at height as directed by OGDCL / OGDCL's Representative. Door locks shall have the centre of the locks at the same height as the centre of the knob locks.

3.0 STANDARD IRONMONGERY FOR INTERNAL DOORS

- 3.1 Each door leaf is to be fitted with 1½ pairs of 100 × 75mm Brass/satin anodized aluminum double stainless steel washered butt hinges unless otherwise noted.
- 3.2 All knob sets are to include for the appropriate mortice latch or lock with a 70mm backset and with standard faceplates and roses unless otherwise noted.



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- 3.3 In addition to above item all other items shown on the drawing shall be furnished by OGDCL / OGDCL's Representative.

4.0 **HARDWARE**

Hardware shall include but not limited to tower bolts, hinges, holdfasts, handles, stoppers, locks, hydraulic door closers, push plates, kick plates, door springs, brass handles, windows/ventilator, stays, cupboard/cabinet hardware, etc.

Hardware shall be of best quality and make, strong and well finished, according to the weight/dimension as specified. For approval of shape, quality, pattern and brand of all the hardware material, samples and catalogues of the material, shall be provide to OGDCL / OGDCL's Representative.

4.1 **Tower Bolt (Heavy Duty)**

Oxidized, brass 150mm or 225mm (6" or 9") long, each fixed by means of appropriate size of brass screws (Weighing 0.15 to 0.20 lb).

Steel, 150mm or 225mm (6" or 9") long, each fixed by means of appropriate size of steel screws (Weighing 0.10 to 0.15 lb).

4.2 **Hinge**

Oxidized brass butt hinges of size 100 × 50mm weighing 0.14 kg (0.31 lb) with the standard size of brass pins fixed with brass screws of required size.

Double-action Oxidized brass, spring-butt-hinge of size 100 × 50mm (4"×2") weighing 0.28 kg (0.62 lb) each with standard size of pins and spring fixed with brass screws of required size.

Extra heavy steel-butt-hinge of size 130mm × 80mm (5.2" × 3.15") weighing 0.45 kg (1 lb) with standard size of pins fixed with appropriate size of steel screws.

4.3 **Holdfast**

Crank shaped holdfast of size 150 × 50mm × 3mm (6"×2"×0.12") made of steel plate. One end to be fixed with 100mm × 10mm (4" × 0.40") long screws.

If required crank shaped holdfast of size 300mm × 50mm × 3mm (12"×1.6"×0.12") made of steel. One end to be fixed with 100mm × 10mm (4" × 0.4") long screws.



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4.4 Handle

Oxidized brass or Aluminum alloy 100mm long fixed with the screws of the same material and of any other material/design as approved by the OGDCL / OGDCL's Representative

4.5 Stopper

Magnetic or foot-operated friction door stopper of best quality available locally and as approved by the OGDCL / OGDCL's Representative.

4.6 Lock

Imported automatic dead locking mortise lock locally available from approved manufacturer such as ALPHA, YALE OR ANCHOR or equivalent with two beveled latches and handles complete as approved by the OGDCL / OGDCL's Representative.

4.7 Hydraulic Door Closer

Single-action type, face fixing, best quality foreign made available from approved manufacturer such as UNION/YALE locally available and as approved by the OGDCL/ OGDCL's Representative.

Hardware shall be carefully and securely fitted. Upon handing over the work, hardware shall be demonstrated to operate freely. Keys shall be placed into respective locks and upon acceptance of the work keys shall be tagged and delivered to the OGDCL / OGDCL's Representative.

4.8 Push Plate/Kick Plate

Push Plate/Kick Plate shall be of stainless steel preferably of 4"×9" size as approved by the OGDCL / OGDCL's Representative.

4.9 Door Spring

All fly proof shutter shall be provided with door spring of standard make and design as approved by the OGDCL / OGDCL's Representative.



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4.10 Brass Handle

All steel windows shall be provided with heavy-duty brass handle of standard make and design as approved by the OGDCL / OGDCL's Representative.

4.11 Windows/Ventilator Stays

Brass stays for steel and wooden windows/ventilator of standard size & weight to be provided with each shutter, as approved by the OGDCL / OGDCL's Representative.

4.12 Cupboard/Cabinets Hardware

All necessary hardware for cupboards/Cabinets to be provided such as cylinder locks with keys, brass hinges, knobs for drawer, catcher, flush bolts etc. of standard make and as approved by the OGDCL / OGDCL's Representative.

5.0 QUALITY ASSURANCE

5.1 Tolerances

Door shall be fabricated to following tolerances

- Size: Plus or minus 1.6mm overall dimensions
- Maximum Warp: 6mm
- Squareness: Maximum diagonal difference 3mm (between length of diagonal measured on face of door from upper right corner to lower left corner and length of diagonal measured from upper left corner to lower right corner).

5.2 Manufacturer's Qualifications

The manufacturer of doors herein specified should have been in business of manufacturing doors of type specified for minimum of five years.