



TECHNO-COMMERCIAL PROPOSAL

Wedge Gate Valve DN400 — Seawater Service (Drop-in Replacement)

MARINE & SHIPBUILDING -- NAB VALVES

1. COVER LETTER

Dear Ms. Sara,

Thank you for your RFQ dated 03 June 2026 for a wedge gate valve DN400 for seawater supply service.

We have reviewed your attached technical specification, bill of materials, and general arrangement drawing (Ref. 2000400040010 Rev. 00). Supreme Valves India is pleased to submit this firm techno-commercial proposal for one (1) no. Nickel-Aluminium-Bronze (ASTM B148 C95800) wedge gate valve as a drop-in replacement with face-to-face dimension **L = 310 mm** per EN 558-1 and flanges per **EN 1092-1 PN10**.

All prices are quoted firm in United States Dollars (USD), Ex-Works Ahmedabad, India. Our unit price is aligned with your indicated target range of USD 7,000–9,000.

The offer includes the required spare parts kit (stem seal, seat seals, counter flanges) and standard documentation. Russian-language documentation can be arranged on confirmation of final document list.

We trust this proposal meets your technical and commercial requirements and look forward to your confirmed purchase order.

2. CUSTOMER & PROJECT DETAILS

Quotation Reference	SV/QTN/2026/ANY/001
Quotation Date	05 June 2026
Customer	ANYROTARY TRADING L.L.C-FZ
Contact Person	Sara (Manager)
Email	sara@anyrotary.com
Phone	+971 50 269 9897
Address	Meydan Grandstand, 6th Floor, Meydan Road, Nad Al Sheba, Dubai, U.A.E.
Project / Location	Seawater Supply System — Marine / Industrial Pipeline
Application	Seawater supply system — wedge gate valve drop-in replacement
RFQ Subject	RFQ_Valve, Gate DN400 API 598 (drop-in replacement)
RFQ Date	03 June 2026

3. SCOPE OF SUPPLY

Sr	Description	Size	Qty	Unit Price (USD)	Total (USD)
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1	Wedge Gate Valve — Seawater Service Rigid wedge gate valve, DN400 (16"), PN10 / ANSI Class 150#, manual handwheel operated, bidirectional, metal-to-metal seating with minimum 30 HRC hardfacing. Body, bonnet, wedge, and yoke in ASTM B148 C95800 Nickel-Aluminium-Bronze; stem ASTM A182 F316; graphite packing; flanged RF ends per EN 1092-1 PN10. Designed as drop-in replacement — face-to-face 310 mm per EN 558-1. Seat leakage per API 598. Includes spare parts kit (stem seal 1 set, seat seal 3 sets, counter flanges set) and sea-worthy wooden crate packing. Specs: OS&Y rising stem Rigid wedge Seawater API 598 EN 1092-1 PN10 Drawing 2000400040010	DN400 / 16"	01	8,500/-	8,500/-
Total Price (Ex-Works)					8,500/-

Amount in Words: Eight Thousand Five Hundred US Dollars Only

4. TECHNICAL SPECIFICATIONS

4.1 Item 1 — General Design & Service Conditions

Parameter	Specification
Valve Type	Bolted bonnet, outside screw & yoke (OS&Y), rising stem, rigid wedge gate valve
Nominal Size	DN400 (16")
Pressure Rating	PN10 per EN 1092-1 / ANSI Class 150# equivalent
Application	Seawater supply system — drop-in replacement
Working Medium	Seawater; salinity 9.7–13.15%; solids 50 g/L; particle size 1.0–2.0 mm
Temperature Range	–2°C to +40°C operating; 0°C to +40°C per RFQ
Flow Direction	Bidirectional
Actuation	Manual — handwheel operated (no electric actuator)
Seat Leakage	API 598 — metal-to-metal, tightness Class A
Design Life	35 years design service life; 3,000 full operating cycles
Installation	Any orientation; pipeline material CuNi5Fe-1 steel

4.2 Item 1 — Materials of Construction

Parameter	Specification
Body	ASTM B148 C95800 Nickel-Aluminium-Bronze (CuAl10Fe5Ni5) — sand cast
Bonnet	ASTM B148 C95800
Wedge / Gate	ASTM B148 C95800 with metal-to-metal seat; hardfacing min. 30 HRC
Stem	ASTM A182 F316 (AISI 316) stainless steel, blow-out proof
Stem Bushing / Sleeve	ASTM A182 F316
Gland Flange	ASTM A351 CF8M
Yoke	ASTM B148 C95800
Stem Nut	Aluminium bronze ZCuAl10Fe3
Handwheel	Ductile iron (EN-GJS-500-7)
Bonnet Gasket	Spiral wound SS316 + flexible graphite
Stem Packing	Flexible graphite (AF-1 grade equivalent), packed gland type
Fasteners	Stud bolts ASTM A193 B8M; nuts ASTM A194 8M

4.3 Item 1 — Dimensions & End Connections (per customer drawing)

Parameter	Specification
Face-to-Face (L)	310 mm per EN 558-1 (drop-in replacement dimension)
Flange Standard	EN 1092-1 PN10 RF
Flange OD (D)	565 mm
Bolt Circle (D1)	515 mm — 16 holes x Ø28 mm
Raised Face (D2)	482 mm; face height f = 4 mm
Flange Thickness (b)	28 mm
Bore (A)	406.4 mm
Overall Height (H)	1,815 mm (approx.)
Handwheel Diameter (W)	550 mm
Estimated Weight	Approx. 680–750 kg (subject to final foundry pattern)
Design Standards	EN 1984, EN 558-1, EN 1092-1, EN 12266, API 598, ASTM B148

4.4 Item 1 — Testing, Documentation & Spares

Parameter	Specification
Shell Test	1.5 x PN (15 bar) hydrostatic per API 598 / EN 12266
Seat Test	1.1 x PN (11 bar) hydrostatic per API 598
NDT	Dye-penetrant test (PT) on NAB castings per ASTM E165
MTC	EN 10204 3.1 mill test certificate with chemical & mechanical properties
Documentation	Packing list, valve passport/certificate, IOM manual, assembly GA drawing, test reports (English). Russian translation available on request.
Spare Parts Kit	Stem seal — 1 set; seat seal — 3 sets; counter flanges set — 1 lot
Packaging	Flange faces protected; valve palletized in wooden crate for outdoor storage and multimodal transport
Warranty	24 months from commissioning or 36 months from delivery, whichever is earlier
Marking	Manufacturer, valve designation, PN, DN, serial no., year, body material, climatic version, flow arrows

5. ENGINEERING NOTES

This valve is engineered as a **drop-in replacement** for an existing DN400 seawater gate valve, matching customer drawing reference **2000400040010 Rev. 00** and the specified face-to-face length of **310 mm**.

Nickel-Aluminium-Bronze ASTM B148 C95800 is selected for superior resistance to seawater corrosion, cavitation, and erosion in solid-laden media (50 g/L solids, 1–2 mm particles). The SS316 stem and graphite packing provide reliable stem sealing in the marine temperature range.

Metal-to-metal seating with minimum 30 HRC hardfacing is offered per your specification for long-term tightness in seawater service.

6. COMMERCIAL TERMS & CONDITIONS

HSN Code	8481.80.30
Price Basis	Ex-Works Supreme Valves Works, Ahmedabad, India — NET, USD
Currency	United States Dollars (USD) — firm
Exchange Rate Note	Indicative conversion: 1 USD = INR 95.00 (for internal reference only)
Quantity	1 piece as per RFQ

Delivery Time	10 to 12 weeks from confirmed purchase order and receipt of advance payment (NAB casting + machining)
Packaging and Forwarding	2% Extra
Payment Terms	50% advance with confirmed PO; balance 50% before dispatch against proforma invoice
Packing	Sea-worthy wooden crate packing for export — included
Freight / Insurance	To Dubai, U.A.E. — extra at actuals (FCA/EXW basis); we can quote DAP Dubai on request
Offer Validity	30 days from quotation date
Inspection	Final hydrostatic test and dimensional inspection at our works; third-party inspection (TPI) available at extra cost
Russian Documentation	Standard documentation in English included. Russian translation of passport, IOM, and GA drawing can be provided — please confirm scope at order stage
Jurisdiction	All disputes subject to courts at Ahmedabad, Gujarat, India

7. DOCUMENTATION

- EN 10204 3.1 Material Test Certificates (chemical composition per ASTM B148)
- Hydrostatic test reports (shell + seat) per API 598
- Dye-penetrant test (PT) reports on pressure-retaining castings
- Dimensional inspection report
- Installation, Operation & Maintenance (IOM) manual
- General arrangement / assembly drawing
- Packing list and valve passport / certificate

8. WARRANTY

Warranty period: **24 months from commissioning**, but not more than **36 months from delivery date**, against manufacturing and material defects when installed, operated, transported, and stored per our IOM instructions.

Exchange rate considered: 1 USD = INR 95.00 (indicative, for budgetary purposes). Final prices will be based on the exchange rate prevailing on the date of Purchase Order.

Yours faithfully,



Zahid Ranginwala
Director, Supreme Valves India
Ahmedabad

