JUDUN — VENDOR PRE-QUALIFICATION (PQQ) & FACTORY ITP DOSSIER

沧州巨盾管道防护装备有限公司 · 国际油气工程合格供应商报审暨出厂检验计划书 (2026)

Manufacturer / 制造厂家: Cangzhou Judun Pipeline Protection Equipment Co., Ltd. (沧州巨盾管道防护装备有限公司)

Manufacturing Base / 生产基地: Qiantong Industrial Zone, Yanshan County, Cangzhou, Hebei 061300, P.R. China

Official Website / 官方网站: https://www.juduncp.com | Email: sales@juduncp.com | Tel/WhatsApp: +86 153 0327 5365

SECTION 1 — CORPORATE MANUFACTURING PROFILE & CAPACITY / 工厂产能与主营范围

• Applicable International Standards (执行国际标准): ISO 15589-1:2015, ISO 15589-2, AMPP / NACE SP0169, NACE SP0177, NACE TM0108, ASTM B843 (Mg Anodes), ASTM B418 (Zn Anodes), DNV-RP-B401 (Marine Al-Zn-In Anodes), GB/T 21448-2017.

• Standard Ex-Works Lead Times (常规排产周期): Standard SSD / Spark Gaps / Reference Cells / Anodes: 5–10 working days; Custom ICCP Transformer-Rectifiers & Modular Deep-Well Strings: 7–14 working days.

SECTION 2 — FACTORY INSPECTION & TEST PLAN (ITP) / 标准出厂检验与见证计划 (H/W/R)

• [ITP-01] Raw Material & Incoming Inspection (原材料入厂复验 — Mfr: 100% H | EPC/TPI: R): Verify ASTM B338 Gr.1/2 Titanium substrate MTR, IrO2/Ta2O5 coating batch record, Mg/Al/Zn optical emission spectroscopy (OES) chemical composition, and enclosure IP gasket material.

• [ITP-02] ICCP Potentiostat / Rectifier Routine & 72h Burn-In Test (恒电位仪例行与 72h 满载老化试验 — Mfr: 100% H | EPC/TPI: W/R): Dielectric strength test (2.0 kV AC / 1 min), Constant Potential control accuracy verification (<= +/- 5 mV), Constant Current ripple & load regulation, RS485 Modbus telemetry check, and continuous 72-hour 100% rated load thermal rise test.

• [ITP-03] Solid-State DC Decoupler (SSD) Electrical Verification (固态去耦合器电气测试 — Mfr: 100% H | EPC/TPI: W/R): DC blocking threshold test (-2.0V / +2.0V +/- 0.1V), DC leakage current check (< 100 uA at rated threshold), AC steady-state impedance verification, and IP66/IP68 enclosure sealing check.

• [ITP-04] Isolating Spark Gap (JD-ISG) Dielectric & Sealing Test (密封电火花间隙测试 — Mfr: 100% H | EPC/TPI: R): Insulation resistance (>= 100 MOhm @ 100V DC), power-frequency sparkover voltage check (<= 350–500 V rms), and IP67 hermetic chamber check.

• [ITP-05] MMO Anode & Deep-Well String Verification (MMO 阳极与深井串检验 — Mfr: 100% H | EPC/TPI: W/R): Holiday-free coating continuity, cable-to-anode joint contact resistance (< 0.005 Ohm), Kynar/resin splice pull-out & holiday test, calcined petroleum coke resistivity (< 0.1 Ohm.m).

• [ITP-06] Permanent Reference Electrode Calibration (长效参比电极电位标定 — Mfr: 100% H | EPC/TPI: R): 24-hour soak stabilization and potential accuracy check against Master Calomel / Cu-CuSO4 laboratory cell (+/- 5 mV acceptance window).

SECTION 3 — SEAWORTHY EXPORT PACKAGING, QA DOSSIER & WARRANTY / 海运包装与质保承诺

• ISPM-15 Export Packaging (国际海运免熏蒸木箱): All export shipments are packed in ISPM-15 compliant reinforced plywood crates with internal VCI moisture-barrier foil, desiccant bags, EPE foam shock protection, and bilingual laser/printed shipping marks.

• Final QA Data Book (随货交付技术文件包): Commercial Invoice, Itemized Tag-Number Packing List, Bill of Lading, Certificate of Origin (CO / Form E / Form F / FTA), Material Test Reports (MTR), Factory Routine Test & 72h Burn-In Certificates, and O&M Manual.

• Factory Warranty & Lifetime Spare Parts (质保与备件支持): 18 months from shipment or 12 months from commissioning; QR code inside cabinet door links directly to https://www.juduncp.com/card for lifetime technical support and direct factory spare parts.