WHAT WE SUPPLY

Procurement & supply capability.

ESNAD procures, expedites and delivers engineered materials and equipment for oil and gas projects — from well construction materials to power infrastructure, piping and site support items. The categories below summarise materials and equipment which are already supplied/executed or being sourced on a large-scale field development programme, in line with client-issued specifications, datasheets and international standards (API, ASTM, ANSI/IEEE, NEMA, UL, NACE / ISO). Related rental, study and inspection services are also covered.

19	87	138 kV	API · NACE
SUPPLY CATEGORIES	ESPS, ONE PROGRAMME	SUBSTATION SETS	SOURCING STANDARDS

01 Drilling Rigs, Well Control & Drill Bits

- Purchase of CABOT 900 drilling rig
- Blowout preventers (BOP)
- Drill bits
- 150-ton well service jack (2-1/2" to 5-1/2" capacity)
- Tools, tackles and consumables

02 Well Construction – Casing & Tubing (OCTG)

- Seamless carbon steel casing: 20", 13-3/8", 9-5/8", 7" and 5" (K-55, L80-1, T-95 sour service)
- BTC, 8RD LTC and special-clearance connections; API PSL1, Range 3
- NACE MR0175 / ISO 15156-2 compliant sour-service supply
- L80-1 production tubing, 3-1/2", 2-7/8" and 2-3/8", API 8RD EUE
- Pup joints (5 ft, 10 ft) and couplings for all sizes

03 Wellheads, X-Mas Trees & Completion Equipment

- Wellheads and X-mas trees, 3,000 psi, API 6A
- Choke valves and wellhead gate valves
- Complete C-section, crossovers, tubing hangers and packoff rubbers
- Liner hangers and completion tools

04 Artificial Lift – ESP Systems

- ESP supply programmes of 87 ESPs, each with auxiliaries
- Variable speed drives (VSDs) with auxiliaries
- ESP power cable penetrators
- Cables and glands for VSD installation
- Hand tools for ESP installation

05 Early Production Facilities & Process Equipment

- EPF for Dahra, including gas compression and dehydration packages
- Production separators, test separators and storage tanks
- Wash tanks for Dahra and BAHI
- Solar SMT 60 turbo generator units and balance-of-plant equipment
- Industrial gas plants (acetylene, oxygen, nitrogen)

06 Equipment & Facility Rentals

- EPF for BAHI station
- EPF for Dahra PL7 station
- Pilot water treatment and injection (PL711)
- Power generation units and auxiliary equipment

07 Line Pipe, RTP & Pipeline Integrity

- API 5L X52 PSL2 carbon steel pipe, SCH 40: seamless 4"–20", LSAW 24" and 30"
- Carbon steel piping in 24", 12", 6" and 4" sizes
- Reinforced thermoplastic pipe (RTP)
- Internally FBE-coated pipe and insert sleeves; external anticorrosion tape, primer and mastic
- Reinstatement of cathodic protection (CP) systems

08 Piping Fittings, Flanges & Fasteners

- ASTM A234 butt-weld elbows, tees and reducers, 4"–24"
- 6" and 12" fittings for the pilot water injection system
- ASTM A105 weld-neck, slip-on and blind flanges, Class 150–900, 3"–30"
- Forged couplings, plugs and SCH 160 nipples; spiral-wound gaskets
- Micarta insulating flange kits; A193 Gr. B7 stud bolts with nuts

09 Valves, Instrumentation & Bulk Materials

- Trunnion full-bore ball valves, 2"–16", Class 300 and 600
- OS&Y gate valves, 1"–24", and through-conduit gate valves, 6"–20"
- Wafer dual-plate check valves, 3"–8", Class 150–600
- Instrument valves and instrument materials
- Instrument cables and bulk materials

10 138 kV Substation Equipment

- 170 kV SF6 dead-tank circuit breakers; 145 kV current and voltage transformers
- Power voltage transformers, silicon surge arresters
- Battery chargers, VRLA battery banks and racks
- 125 VDC, 480 V and 208 V panel boards; dry-type transformers

11 Overhead Line & Well Electrification

- Lattice towers (in-line, angle, dead-end) and steel H-beam poles
- Suspension, tension and line-post insulators with hardware
- ACSR conductor, splices, clamps, dampers and armour rods
- Fuses, fuse holders, polymer arresters and grounding materials

12 Power, Control & Instrumentation Cables

- 15 kV and 1 kV TECK 90 XLPE power cables, #8 AWG to 500 MCM
- 600 V tray, control and fire alarm cables; building wire
- Teck connectors, glands, lugs and connectors
- Cold-/heat-shrink terminations and splice kits up to 15 kV

13 Camp, Facility & Industrial Electrical

- Dahra camp long-lead items (23 items)
- Main distribution panel for Dahra camp
- Aluminum ladder tray, strut channel, conduit, bodies and fittings
- Boxes, enclosures, receptacles, switches and GFCI devices
- Grounding and bonding: rods, bars, compression connectors

14 Lighting, Poles & Power Support

- LED floodlights incl. Class I Div 2, high bay, wall pack, emergency and exit lighting
- 20 ft and 35 ft galvanised steel poles with brackets
- Portable generators, floodlights and solar PV with LiFePO4 storage

15 Fire Detection & Life Safety

- Conventional fire alarm control panels
- Intelligent smoke and multisensor detectors with bases
- Pull stations, horns, bells and end-of-line devices

16 Test, Commissioning & Measurement

- Protection relay test and commissioning sets
- Multimeters, clamp meters, insulation testers
- Three-phase power quality analysers and label printers

17 Welding, Fabrication & Consumables

- E6010 / E7018 electrodes, welding machines, holders and leads
- Oxy-acetylene regulators, hoses and cutting tips
- Grinding and cutting discs; welding PPE

18 Rigging, Lifting & Site Tools

- Anchor shackles, wire-rope and polyester web slings
- Cable pullers, hydraulic crimping and cutting tools
- Power tools, torque sets, ladders and extension reels

19 Engineering Studies, Data & Inspection Services

- FEED study
- Geomechanical study and water compatibility study
- PVT studies, including well-specific PVT studies
- Data management
- Third-party inspection (TPI) services

SUPPLY STRENGTHS

- Single-source supply across piping, valves, OCTG, electrical, safety and consumables
- Experience supplying to client datasheets, specifications and approved-vendor requirements
- Capacity for large multi-package orders, from thousands of tubular joints to complete substation and overhead line sets
- Engineered long-lead equipment and high-volume bulk items under one procurement system
- Sourcing to API, ASTM, ANSI/IEEE, NEMA, UL and NACE standards

Items and specifications are indicative of current and previous supply scope. Final supply is subject to client specification, approved manufacturers and project requirements.