



Prequalification of Onshore Drilling Rig (Technical Requirements)

Contents

1. Objective:	2
2. Well Design:	2
3. Drilling rig main Components:	2
4. Rig Certification:.....	3
5. Rig Ancillary Equipment:	3
6. Contractor operation support and capabilities:	3
7. Prequalification Requirements	3



1. OBJECTIVE:

Sarir Oil Operations B.V Libya Branch (SOO) is seeking for 2 x 2000 HP drilling rigs to operate within SOO onshore concessions located in Libyan Sirte Basin in Alwihat area about 1200 km southeast of Tripoli.

Anticipated drilling operations start in Q4 Y2022. Initial contract duration would be two years contract for first rig and one year contract for second rig with contract extensions that would be depend on Company work force, Contractor performance and Operator Management Committee and Management Committee approvals.

2. WELL DESIGN:

26" hole – 20" conductor to 700 feet.

17 ½" hole – 13 3/8" casing to 3300 feet.

12 ¼" hole – 9 5/8" casing to 9000 to 10000 feet.

8 ½" hole – 7 5/8" Liner 11,000 feet.

6.5" hole – 5" Liner 12,000 to 14000 feet.

3. DRILLING RIG MAIN COMPONENTS:

- 1) 2000HP, fast moving rig required to perform Drilling & Completion operation limited to drilling and running hole and casing sizes shown in well design section, run new completion. Wells depths ranging from 12,000ft to 14,000 feet wells.
- 2) Hook Load: 500 Ton
- 3) Set back capacity: 500Ton
- 4) 3 x 1600 HP mud pumps
- 5) Mud system min requirements : (1,200 bbl active system, 1500 bbl reserve with ability to take suction from and pump to reserve, 1000 bbl water storage, Trip tank with indicator visible on rig floor 5 bbl calibrated stripping tank)High speed shale shakers)
- 6) 5,000psi Stand pipe manifold.
- 7) 5,000psi Rotary Hoses
- 8) 10,000 psi choke manifold
- 9) 11,000 feet 5" Grade G pipe
- 10) 5,000 feet 3-1/2" Grade G pipe
- 11) 9-1/2" Drill Collars (10jts), 8-1/4" Drill Collars (15jts), 4-3/4" Drill Collars (24jts), 5" HWDP (30jts)
- 12) Mousehole and Rathole and equipment to install same
- 13) Minimum 70-man master-skidded camp
- 14) Wellsite Office for Company Supervisor
- 15) Wellsite Sleepers for Supervisors (2), Safety/Operations Supervisor (2)

R M



4. RIG CERTIFICATION:

- 1) All contractor equipment's are built by API-accredited manufacturer.
- 2) Certification package by approved third party with API standards for rig hoisting system, rig derrick and substructure and BOPs.

5. RIG ANCILLARY EQUIPMENT:

- 1) 60-ton crane and operator with 24 hours operator coverage.
- 2) 50-ton truck and day operator coverage.
- 3) forklift with 24-hour operator coverage.
- 4) Oilfield bed truck and trailer assigned to rig.
- 5) Complete fishing equipment for Contractor's downhole tools.
- 6) Transfer pumps and transfer lines for water transfer between reserve pit and rig reserve and working tanks.
- 7) Telecommunication system for contractor utilization.

6. CONTRACTOR OPERATION SUPPORT AND CAPABILITIES:

Contractor to provide quality services (experienced and qualified personnel, logistics, base, workshop and storage facilities in Sirte Basin area).

7. PREQUALIFICATION REQUIREMENTS:

Operator SOO invites all interested local and international Drilling & Workover Contractors are registered in Libya, in addition to the information requested above, to submit the complete prequalification document package (**The Prequalification Request is not an Invitation to Tender**), for registration and evaluation, as described here below.

- 1) Contractor profile with full details of similar Contracts performed with reference list of Clients giving names and addresses, as well as performed work description, location, start and completion dates, and value of Contracts.
- 2) Contractor Services Catalogue.
- 3) Contractor Organization Chart.
- 4) Demonstrate Health, Safety, Security and Environment (HSSE) commitment.
 - Contractor HSSE Policy.
 - HSSE statistics for the last (3) years.
 - Health, Safety, Security and Environment Management System(s).

RM