

## TECHNICAL EVALUATION REPORT

**RFP NO.: OGDCL-SCM-SERVICES-DF-301040419-2025**

**DESCRIPTION OF THE RFP: HIRING OF MUD ENGINEERING SERVICES ALONG WITH MUD CHEMICALS UNDER RATE RUNNING CONTRACT FOR A PERIOD OF TWO (02) YEARS ON AS AND WHEN REQUIRED BASIS**

**TECHNICAL BID OPENING DATE: 03-12-2025**

| S. No. | Name of Bidder                                   | Status (Technically Responsive/ Non- Responsive) | Remarks (Reasons for Rejection)   | Technical Evaluation Points obtained |
|--------|--|--|---|--------------------------------------|
| 1      | M/s CNPC Chuanqing Drilling Engineering Co. Ltd. | Responsive                                       | -   | 98                                   |
| 2      | M/s Schlumberger Saeco Inc.                      | Responsive                                       | -   | 100                                  |
| 3      | M/s Baker Hughes EHO Ltd.)                       | Responsive                                       | -   | 98                                   |
| 4      | M/s Midgard-SG Energy Services Pvt. Ltd.         | Responsive                                       | -   | 94                                   |
| 5      | M/s Halliburton Worldwide Ltd.                   | Non-Responsive                                   | Non-fulfillment of Sr # 2.6.2 of "2 - Technical Evaluation Points Table" in "Section-H" (Page 47 of 57) | N/A                                  |

**Note:**

1. Bidder may submit grievance within Seven (07) days of announcement of Technical Evaluation Report.
2. The grievance if any shall be sent to [bgrc@ogdcl.com](mailto:bgrc@ogdcl.com) as per format available on OGDCL website.

## TECHNICAL EVALUATION CRITERIA

### TECHNICAL EVALUATION POINTS TABLE

| Sr. No. | Description   | Max allotted points | Point Allocation  | M/s Baker Hughes EHO Ltd. | M/s CNPC Chuanqing Drilling Engineering Co. Ltd. | M/s Schlumberger Saeco Inc. | M/s Halliburton Worldwide Ltd. | M/s Midgard-SG Energy Services Pvt. Ltd. |
|---------|---|---------------------|---|---------------------------|--|-----------------------------|--------------------------------|--|
| 2.1     | Bidder's continuous operating experience:<br>a) Above 20 years' experience (15 points)<br>b) Between 15 to 20 years' experience (10 points)<br>c) Between 10 to 15 years' experience (5 points)<br>d) Less than 10 years' experience (Disqualified)<br>Bidder to submit verified data e.g., client testimonial, letters etc.  | 15                  | a) >20 years=15,<br>b) 15-20 years =10,<br>c) 10-15 years = 5,<br>d) <10 years = Disqualified | 15                        | 15   | 15                          | N/A                            | 15                                       |
| 2.2     | Bidder's Quality Management System is in compliance with applicable API Q2 process for services delivery.   | 4                   | (If Yes = 4,<br>No =Zero)   | 4                         | 4  | 4                           | N/A                            | 4  |
| 2.3     | Bidder to provide papers published in SPE or equivalent renowned forums on High performance Water Based Mud System or Solution related to drilling or completion fluids or loss circulation solution employed.<br><br>a) Above 2 papers (02 marks)<br>b) Additional for paper published in OGDC Operation. (02 marks)         | 4                   | >2 Papers = 2,<br>additional marks for Paper published in OGDC operation = 2,<br><2 = Zero    | 2                         | 2  | 4                           | N/A                            | 2  |
| 2.4     | Addressing Local Drilling Challenges through Bidder's experience of designing & running following different mud systems globally. Provide applicable data verified by the relevant customers and well names for not more than last (10) years period. Data older than 10 years will not be counted towards points allocation. |                     |   |                           |  |                             |                                |  |
| 2.4.1   | High Performance Water Based Mud (WBM) mud system (Amine based)   | 5                   | >25 Sections = 5,<br>10 - 25 Sections = 3,<br><10 Sections = Zero                             | 5                         | 5  | 5                           | N/A                            | 5  |

|                    |  |                                    |  |  |   |  |   |   |
|--------------------|--|------------------------------------|--|--|---|--|---|---|
| 2.4.2              | HTHP Oil Base Mud System   | 5                                  | >15 Sections = 5,<br>8 - 15 Sections = 3<br><8 Sections = Zero | 5  | 5   | 5  | N/A   | 5   |
| <b>Sr.<br/>No.</b> | <b>Description</b>   | <b>Max<br/>allotted<br/>points</b> | <b>Point Allocation</b>  | <b>M/s Baker<br/>Hughes EHO<br/>Ltd.</b> | <b>M/s CNPC<br/>Chuanqing<br/>Drilling<br/>Engineering<br/>Co. Ltd.</b> | <b>M/s<br/>Schlumberger<br/>Saeco Inc.</b> | <b>M/s<br/>Halliburton<br/>Worldwide<br/>Ltd.</b> | <b>M/s<br/>Midgard-SG<br/>Energy<br/>Services Pvt.<br/>Ltd.</b> |
| 2.4.3              | Horizontal / Deviated well with High inclination (minimum 50 deg) and/or Horizontal Sections wells   | 5                                  | >15 Wells = 5,<br>5 - 15 Wells = 3,<br><5 wells = Zero         | 5  | 5   | 5  | N/A   | 5   |
| 2.4.4              | HTHP Water Based Mud System on High Temperature & High Pressure (HTHP) (minimum 10,000 psi & 325 °F - 350 °F both) wells.  | 5                                  | >15 Sections = 5,<br>15- 5 Sections = 3,<br><5 Sections = Zero | 5  | 5   | 5  | N/A   | 5   |
| 2.4.5              | Case History of Ultra High weighted Mud System (i.e. minimum 2.20 S.G)   | 4                                  | 2 cases = 4 points<br>< 2 cases = Zero                         | 4  | 4   | 4  | N/A   | 0   |
| 2.4.6              | Bidder to present case histories for curing complete mud losses (reservoir & non-reservoir) through using Specialized / High Performance mud chemicals / Lost Circulation material. Provide customer confirmation (email or letter) that case history is related to successfully curing losses.  | 5                                  | 2 cases of each = 5 points;<br>< 2 cases = Zero                | 5  | 5   | 5  | N/A   | 5   |
| 2.5                | Bidder needs to have fully operational Drilling Fluids analytical / engineering lab, that is specialized R&D lab capable of performing drilling product API standard QC testing (As per API 13I) and ASTM standards equipped with standard / modern mud testing equipment Regionally or on Global basis able to perform specialized tests including but not limited to XRD analysis (clay typing), CST, LSM, Accretion, Shale recovery, SEM, PPT, particle distribution and will be part of Mud Design/Program.(evidence to be submitted with the technical bid) | 4                                  | (If Yes= 4,<br>No=Zero)  | 4  | 4   | 4  | N/A   | 4   |

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|---------|--|---------------------|---|---------------------------|--|-----------------------------|--------------------------------|--|
| 2.6     | Evaluation of submitted samples of Mud Chemicals (as per Clause # 09 of TOR's) with technical specification at Section "G". Max point available per sample conforming to OGDC specification.   |                     |   |                           |  |                             |                                |  |
| 2.6.1   | Water Base Mud Chemicals consisting of (05) Five WBM samples   | 10                  | 05 samples conforming OGDC Specs = 02 point for each sample<br>< 5 samples conforming OGDC specs = Disqualified | 10                        | 10   | 10                          | N/A                            | 10                                       |
| 2.6.2   | Oil Base Mud formulation consisting of five Oil Base Mud Chemicals samples   | 5                   | OBM Package conforming OGDC specs = 5, OBM Package not conforming OGDC specs = Disqualified                     | 5                         | 5  | 5                           | Disqualified                   | 5  |
| 2.7     | The bidder to have necessary Mud Engineering & Hydraulics support software's for drilling & completion fluid, with minimum modules to be available with each field engineer.<br>a) Hydraulics calculation (04 marks)<br>b) Hole Cleaning & ECD (02 marks)<br>c) DMR / Inventory / Daily Consumption, volume accounting and product concentration table of the mud (04 marks) | 10                  | Hydraulic = 4,<br>Hole cleaning, ECD = 2,<br>DMR, Inventory, Volume, concentration = 4,<br><br>No=Zero          | 10                        | 10   | 10                          | N/A                            | 10                                       |

| Sr. No.   | Description  | Max allotted points | Point Allocation   | M/s Baker Hughes EHO Ltd. | M/s CNPC Chuanqing Drilling Engineering Co. Ltd. | M/s Schlumberger Saeco Inc. | M/s Halliburton Worldwide Ltd. | M/s Midgard-SG Energy Services Pvt. Ltd. |
|---|--|---------------------|--|---------------------------|--|-----------------------------|--------------------------------|--|
| 2.8   | <p>Minimum Lead Mud Engineers Ten (10) having relevant work experience and mud school completed for each person. Points will only be allotted if both "a" and "b" below are met:</p> <p>a) Work experience and mud school training criteria are fulfilled.</p> <p>b) Bidder to confirm that it has an in-house "Employee Competency and Training System". Training matrix to be submitted as part of verification process.</p> <p>Max one point available per CV and ten (10) points 10 CV. Additional 02 points for 12 and above CVs.</p> | 12                  | <p>work experience:</p> <p>≥ 5 yrs = 1 Point,</p> <p>&lt;5 years = Zero</p>                  | 12                        | 12   | 12                          | N/A                            | 12                                       |
| 2.9   | <p>Senior / Lead Engineers (as per item 2.8) are all Pakistani Nationals (Rationale: certain Rigs operate in high Security areas/zones and only Pakistani Nationals are allowed to work in such areas/zones). Submit CV accordingly. Max one point available per Pakistani National with total Seven (7) points available.</p>   | 7                   | <p>07 Pakistani Nationals = 1 point for each CV,</p> <p>&lt;5 Pakistani Nationals = Zero</p> | 7                         | 7  | 7                           | N/A                            | 7  |
| <b>Total Points - Technical Evaluation Computation</b><br><b>(Max available 100 points) - "J"</b> |  | <b>100</b>          |  | <b>98</b>                 | <b>98</b>  | <b>100</b>                  | <b>Disqualified</b>            | <b>94</b>                                |