



OIL & GAS DEVELOPMENT COMPANY LIMITED

Request For Quotation (Imports)

OGDCL House , Jinnah Avenue, Islamabad, Pakistan

Phone :

ANNEXURE 'A':

Description: Oil Soluble Corrosion Inhibitor for different field
Tender Enquiry No: OGDCL-SCM/FA/CB/PROD-6200000047/2022
Delivery Period: 90 days from LC establishment
Mode of Shipment: C & F by sea
Mode of Procurement: Competitive Bidding
Evaluation Criteria: Full consignment wise
Bid Bond Value: USD 3,000/-
Bid Validity: 180 days
Bidding Procedure: Single Stage two envelope
Purchase Req: 20000249
Attachments: Mandatory Specs, Terms & Conditions
Other Terms & Conditions:

SR NO	Material No	Material Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price (CFR)	Total Price (CFR)	Deviation From Tender Spec. If Any
1.	28-00262	CORROSION INHIBITOR EC-1394A, PC CI 2111U, UCI-3850P or equivalent	KG	63,000					

Mandatory Specs, Terms, Conditions and Requirements
For Procurement of Oil-Soluble Corrosion Inhibitor.

1. Generalized Specifications.

Specific Gravity	0.85-0.89 @60 F	Amine Contents	15 % of Tertiary amine
Viscosity	10-14 Cst	pH	6-9
Appearance	amber green	Surfactant	Non-ionic surfactant
Solubility	Oil soluble	Chemical nature	Fatty Alkyl Imidazoline
Flash Point	> 80 Degree C		

2. The supplier must have atleast 7 years of supply experience preferably locally in Pakistan's E & P and other relevant companies. (Proven track record of supply is must).
3. In case supplier has no local supply record in Pakistan, then it is mandatory to provide internationally supply record with satisfactory performance evidence from atleast three supplied company on their letter head showing all contact details and concerned responsible person. (OGDCL may contact that company for verification / authenticity of the letter / performance).
4. Verifiable evidence of ownership of ISO-14001-2015 or 9001-2015 certified blending facility / plant by supplier or proper agreement along with complete address and contact details to blend the corrosion inhibitor as per specs.
5. MSDS sheet confirming the range of ingredients as given in above specs. Handling, charging, application notes etc along with residual level determination test method, residual test frequency and satisfactory range of residue.
6. Product shelf life must not be less than 3 years if stored under standard shade at atmospheric temperatures varying from 0 – 52 degree Celsius. Supplier to comply.
7. The product must be effective to form protective film at flow velocity range of 30-40 Ft/sec OR 10-13 m/s at an average dosing rate of 20 – 50 PPM & 0.25-0.50 liters/mmscf to obtain average corrosion rate ≤ 5 MPY. Supplier to confirm and comply.
8. Already used / approved products by OGDCL are mentioned in the SOR, in case, bidder intends to offer other than mentioned, it is mandatory to supply at least 10 drums and conduct test and trial solely at bidder's risk and cost before bid submission date on "No Cure No Pay basis.
9. Supplier must have its' own or representative's registered office and technical manpower on its payroll to provide after sale's services throughout useful life of supplied product. First visit after material is received at fields is mandatory for optimization, setting of dosage rates and stabling residual levels. The other visits shall be on as and when required basis with no additional charges. Bidder to confirm & comply.
10. Supplier / Manufacturer will ensure Quality Control Procedures adopted during blending. Also authenticate that test & Analysis reports meets the specs of TORs/MSDS sheet
11. The chemical shall be packed in robust type drums (Plastic or steel) suitable for international sea / road travelling with clear marking showing product name, supplier's and receivers name, manufacturing and expiry dates, port of shipment, quantity of chemical in kg / drum. The delivery period should be 90 calendar days after L/c opening.

Note: Manufacturer is one who formulate specific chemical for specific use and provide MSDS & PDS of the chemical along with composition of ingredients and hazard identification of chemical in Ltrs / US gallons

FIELD'S CRUDE OIL & WATER ANALYSIS DATA:

1. Tando Alam Field

1.1. Typical Water Analysis

Fe (ppm)	pH	Cl (ppm)	Ca(ppm)	Mg(ppm)	T.D.S(ppm)	Mn (ppm)
4-50	7.6-7.9	31950-85200	150-2685	17-550	46670-186070	0.5-1.8

1.2. Typical Crude Oil Analysis

Sp.Gr @ 60/60 F	Api Gravity @ 60/60 F	Salt Contents	Pour Point
0.81-0.83	35-42	6-40 PTB	21 Degree C

1.3. Typical Gas Analysis

Average H₂S contents 5-300PPM
Average CO₂ contents 2-8 Mole %

2. Sijhoro Field

2.1. Typical Water Analysis

Fe (ppm)	pH	Cl (ppm)	Sp.Gravity
8-55	6.5-7.8	6000-65000	1.06-1.07

2.2. Typical Crude Oil Analysis

Sp.Gr @ 60/60 F	Api Gravity @ 60/60 F
1.05-1.1	35-42

2.3. Typical Gas Analysis

Relative density 0.76-0.847
CO₂ 3-8 Mole %

3. Kunnar /KPD

3.1. Typical Water Analysis

Fe (ppm)	pH	Cl (ppm)	Sp.Gravity	BS & W %
8-55	5.9-7	5000-90000	1.06-1.1	0.2-2

3.2. Typical Crude Oil Analysis

Sp.Gr @ 60/60 F	Api Gravity @ 60/60 F	Salt Contents
0.79-0.82	40-50	2-138 PTB

3.3. Typical Gas Analysis

Relative density	0.65-0.77
CO ₂	1.9-7.5 Mole
H ₂ S	10 PPM

4. Dakhni Field

4.1. Typical Water Analysis

Fe (ppm)	pH	Cl (ppm)	TDS	Mn
2-9	6-7	41080	49895	2.45

4.2. Typical Gas Analysis

Specific gravity	0.627 - 0.718
CO ₂	2-5 Mole %
H ₂ S	7 - 10 %