

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION A

(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material CORROSION INHIBITOR EC-1394A, PC CI 2111U DRUM OR EQUIVALENT
 Tender Enquiry No PROC-FA/CB/CORR-3080/2018
 Due Date
 Evaluation Criteria FULL PKG.

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	CORROSION INHIBITOR EC-1394A, PC CI 2111U OR Equivalent	DRUM	240					

Note:

1- Bid bond:-Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid(s) must be accompanied by an upfront bid bond in the form of pay order/ demand draft or bank guarantee issued by scheduled bank of Pakistan or a branch of foreign bank operating in Pakistan for an amount of US \$2,000/= (US Dollars Two Thousand Only) or equivalent Pak Rupees, with technical bid and valid for 150 days from the date of opening of the bids. The bank guarantee must be issued in accordance with the format as per Annexure-C of the tender documents.

2- Foreign Procurement Payment Terms (also available at OGDCL website (Tenders Tab)

Tender value less than or equal to US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.

Tender value more than US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.

3- Terms and conditions:-Bidders are advised to carefully read all the terms and conditions of the Tender Document available at OGDCL web site in the master tender document.

4- Shipment from ACU member Countries: In case of shipment from ACU member countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.

5- Summary rejection criteria: - The summary rejection criteria at clause # 35 of the tender document may also be examined carefully. Any bid not meeting the criteria spelled in the clause # 35 shall be summarily rejected without any right of appeal. Delivery period of the quoted product should not be more than 90 days after opening of Letter of Credit (LC).

TERMS AND CONDITIONS

1. Company Information

i.	Full Name, registered address, web site, email address, landline telephone numbers of bidder / beneficiary of LC.	Bidder to provide as mandatory requirement
ii.	Name of the authorized person / signatory of the bid, his / her designation, contact numbers (both land line and cell number), email address for any correspondence etc.	
iii.	Full Name, registered address, web site, email address, landline telephone numbers of manufacturer.	Original authority letter is mandatory
iv.	Name of the authorized person / signatory (on behalf of manufacturer), his / her designation, contact numbers (both land line and cell number), email address etc.	
v.	Full Name, registered address, web site, email address, landline telephone numbers of local agent (if any).	Bidder to provide as mandatory requirement
vi.	Name of the authorized person / signatory, his / her designation, contact numbers (both land line and cell number), email address etc on behalf of local agent.	
vii.	In case of local agent / representative, the bidder shall have to provide ORIGINAL AUTHORITY LETTER issued by manufacturer to bidder for quoting their product and assuring to supply.	
viii.	Full Name, registered address, web site, email address, landline telephone numbers of blending facility / manufacturing plant.	
ix.	Name of the authorized person, his / her designation, contact numbers (both land line and cell number), email address etc on of manufacturing plant / blending facility.	Bidder to provide firm info of only one facility / country.
x.	ISO 9001-2008 quality management certificate for manufacturing plant / blending facility.	

2. Product Information

i.	<u>Specs for Oil soluble corrosion inhibitor</u> <ul style="list-style-type: none">• Specific Gravity 0.85-0.89 @ 60 °F.• Viscosity 10-14 cst. (ASTM D-445)• Chemical Nature Fatty Alkyl Imidazoline Salts in aromatic solvent• Appearance Clear amber green• Solubility oil soluble• pH 6 – 9• Flash Point 81 °C• Stability for storage Stable under normal conditions• Amine Contents 15% minimum of tertiary amines• Surfactant Non-ionic Surfactant & alcohol• Physical Appearance Amber liquid	Bidder to provide
	ii.	

iii.	Compatibility with other chemicals (i.e. demulsifier, scale inhibitors, encapsulated corrosion inhibitors) currently used in wells of above-mentioned fields.	
iv.	The bidder will provide the retention time and velocity of the protective film of the offered corrosion inhibitor up to which it will remain active. The product should be efficient at high pressure, flow regime and shear levels.	Bidder to confirm and provide relevant case histories.
	The product should be highly thermo stable up to 300 Degree F.	
v.	Verification / authentication certificate issued by blending company showing that the chemical is manufactured / blended as per required specifications.	Bidder to provide
vi.	Purchase orders / case histories of the offered product / feedback of end user, Details of companies (Names of 3-5 clients to whom it is sold and used).	
vii.	The bidder shall have to provide dosage chart for using candidate / offered product in different corrosive environments covering water analysis values, CO ₂ & H ₂ S concentration etc.	Bidder to confirm
viii.	Total 7 years of manufacturing & sale of offered product.	
ix.	Minimum shelf life of product should be 2-3 years.	
x.	Complete product data memorandum, chemical specification, application notes, storage, and handling, dosing rate and disposal recommendations.	Bidder to provide

3. Pre Bid Test & Trial of Offered Product.

i.	For the offered/ proposed corrosion inhibitors based on specified / provided water / crude / gas analysis, bidder to carry out Simulation / Laboratory Tests (Bubble test, Flow loop & Autoclave tests) or other high-tech selection criteria for compatibility and effectiveness of offered product and results to be attached or provided with technical bid	Bidder to provide
ii	In case bidder offers corrosion inhibitor other than mentioned in the indent it will be mandatory for the bidder to carry out field trial to check the compatibility and effectiveness of the offered product before bid submission at Tando Alam , Kunnner, and Sinjhero fields. This will be a mandatory requirement for technical responsiveness.	Bidder to accept
iii.	The bidder shall be responsible to depute experienced service engineer designated by original manufacturer for trial of the offered product along with online monitoring portable kit/testing equipment.	Bidder to accept
iv.	The monitoring will be carried out by online portable testing equipment with E.R probes water analysis and residual level determination methods, The desired corrosion rates monitored through ER-Probes, Corrosion Coupons etc should be less than 5MPY.	Bidder to comply
v.	OGDCL shall review report for techno-commercial suitability of material in terms of effective dosage rates. All expensed of the trial runs will be borne by the bidder. The OGDCL will have full right to accept/reject the reported final results without assigning any reasons.	Bidder to accept

4. **Sales Record / Clientage / Credentials (Both local & International)**

S.No.	Name of client / Company with address, phone No., email etc	Contact person(s) with designation	Contract / Purchase Order No. (<i>copies of POs to be provided</i>)	Quantity supplied
i.				
ii.				
iii.				
iv.				

5. **After Sales Services.**

i.	Bidder to confirm availability of experienced technical man-power with local representative for after sales services purpose in Pakistan on as and when required basis.	Details / CVs to be provided
ii.	After supplied oil soluble corrosion inhibitor is received at fields, bidder / manufacturer has to depute his professional(s) during first usage of supplied chemical to help settling / optimizing dosing rates and to monitor effectiveness of supplied product(s) at no additional cost to OGDCL.	Bidder to confirm. <i>(OGDCL shall provide pick & drop facility from nearest airport, railway station or bus terminal, boarding, lodging & messing at field)</i>
iii.	Technical support regarding issues of supplied corrosion inhibitor throughout its usage at different fields.	Bidder to confirm.

6. **Packing and delivery**

i.	The material shall be packed in robust type drums (Plastic or steel) of acceptable quality.	Bidder to comply
ii.	The drums shall be packed in wooden pallets as per internationally acceptable standards suitable for sea and road transportation.	
iii.	Each drum shall contain minimum following information <ul style="list-style-type: none">• Product Name, supplier's name, consignee's name etc.• Manufacturing and expiry dates.• Product batch number, Contract details, Port of shipment.• Country of origin.• Approx weight of drum in Kgs and liquid quantity in Ltrs / US gallons. (208.2 liters/55 US gallons)	
iv.	Delivery period 90 calendar days (3-months) after LC opening.	Bidder to accept

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
CO₂ 1.9-7.5 Mole
H₂S 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
CO₂ 2-5 Mole %
H₂S 7 - 10 %