



OIL & GAS DEVELOPMENT COMPANY LIMITED
Request For Quotation (Imports)

OGDCL House , Jinnah Avenue, Islamabad, Pakistan

ANNEXURE 'A':

Description: Water Treatment Chemical
Tender Enquiry No: OGDCL-SCM/FA/CB/P&P/UCH-6200000060/2022
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: US \$ 2,000/- or equivalent PKR
Bid Validity: 180 DAYS
Bidding Procedure: Single Stage two envelope
Purchase Req: 20000099
Attachments: Annexure A

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.	28-00290	BIO / SCALE DEPRESSANT (GEBETZ DEPOSITROL BL5300 / BL 5310) OR EQUIVALENT	KG	4,374					
2.	28-00302	CORROSION INHIBITOR (GEBETZ FLOGARD MS 6209) OR EQUIVALENT CORROSION INHIBITOR WATER BASED FOR WATER TREATMENT	KG	7,600					
3.	28-00303	MICRO BACTERICIDE (GEBETZ NK 1164 2000) OR EQUIVALENT BIOCIDES SPECIALIZED CHEMICAL	KG	4,400					
4.	28-00304	SCALE INHIBITOR (GEBETZ OPTISPERSEP05068) OR EQUIVALENT SCALE INHIBITOR , HOSPHATE PLUS	KG	14,000					
5.	28-00305	OXYGEN SCAVENGER (GEBETZ CONTROL OS 5601) OR EQUIVALENT OXYGEN SCAVENGER/INHIBITOR	KG	2,400					

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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
6.	28-00306	CORROSION INHIBITOR (GEBETZ STEMATE NA 0540E) OR EQUIVALENT OIL BASED INHIBITOR	KG	4,400					

Water Treatment Chemicals

OGDCL invite bids for the supply of different Water Treatment Chemicals for UCH I and II Plants (cooling and boiler feed water treatment chemicals) in accordance with the terms and conditions specified in the Tender Documents.

1. Scope of Work

The following scope of supply shall be applicable for the operation at Uch Gas Processing Plant.

- 1.1 Supply of water treatment chemicals as per quantity mentioned at SOR.
- 1.2 Achieve results required for cooling and boiler feed water with optimized dosing rate.
- 1.3 Technical support services throughout the usage of supplied chemicals as per Clause 7.
- 1.4 Provide operating guidelines and technical literature for the proper usage of the chemical.
- 1.5 Provide details of water quality parameters required to monitor for smooth plant operations and performance evaluation of the supplied chemicals.

2. Basis for Selection of Cooling Tower/ Boiler Feed Water Chemicals

2.1 RAW Water Analysis Data

S.No.	Parameters	Unit	Range
1	pH	~	7.82
2	Conductivity	us/cm	313
3	TDS	mg/l	148
4	Suspended Solids	mg/l	03
5	Total Hardness as CaCO ₃	mg/l	60
6	Calcium Hardness as CaCO ₃	mg/l	38
7	Magnesium Hardness as CaCO ₃	mg/l	22
8	Iron	mg/l	3.0 Max
9	Chloride	mg/l	28
10	Silica	mg/l	1.66
12	Sulphate	mg/l	34

2.2 Cooling Tower Water Analysis Data

S.No.	Parameters	Unit	Control Range
1	pH	---	8.00-8.60
2	Conductivity	us/cm	2000 Max
3	TDS	mg/	1400 Max
4	Total Hardness as CaCO ₃	mg/	500 Max
5	Calcium Hardness as CaCO ₃	mg/	300 Max
6	M.Alkanity as CaCO ₃	mg/	200-300
7	Chlorides as Cl ⁻¹	mg/	300 Max
8	O.Phosphate	mg/	2.00 -4.00
9	Zinc	mg/	0.50-1.50

2.3 Boiler Feed Water Analysis Data

S.No.	Parameters	Unit	Control Range
1	pH	---	08.30-10.50
2	Conductivity	us/cm	<100
3	TDS	mg/	<50
4	Total Hardness	mg/	1.0 - 2.0

2.4 Boiler Blow Down Water Analysis Data

S.No.	Parameters	Unit	Control Range
1	pH	---	9.40-11.50
2	Conductivity	us/cm	<3000
3	TDS	mg/	<1500
4	Total Hardness	mg/	02 (Max)
5	Caustic Alkalinity as CaCO ₃	mg/	<300 Max
6	O. Phosphate for LP Boilers	mg/l	20-40
7	Phosphate for HP Boilers	mg/	30-50
8	N2H4	ppb	300 - 500
9	pH of LP & HP Steam	---	8.50 - 9.50

3. Necessary Data

3.1 Clients / Sales Achievement in Pakistan (oil & gas companies)

Bidder has to furnish Two letter of recommendation/performance comments of the client/user from any reputed petrochemical company preferably one from Pakistan while the Bidder who supplied the same chemical to OGDCL through

bidding procedure and subsequently having satisfactory performance is not required to submit letter of recommendation while attach the copy of PO with quantity supplied.

S.No	Name of client with address and phone Nos.	Contract/Purchase order No. with date	Quantity Supplied

3.2 Necessary Attachments with Bid

S.No	Description	Attached / Provided or Not
01	Complete product data memorandum, chemical specifications, application notes, storage and handling, dosing rate and disposal recommendations.	
02	Details of Chemical parameters required for monitoring of chemicals efficiency.	
03	MSDS of all quoted chemicals	
04	Valid ISO-9001 & ISO-14001 of manufacturer	
05	Original authority letter issued by the manufacturer to bidder and local agent for quoting their product	
06	Client list in Pakistan as per given format	

3.3 Bid Summary Sheet

Bid summary sheet should be submitted in following format.

S. No.	Description	
01	A Name of Bidder	
	B Name of authorized signatory of bidder	
	C Complete address, phone, fax numbers and email of bidder	
02	A Name of Local agent	
	B Name of authorized signatory of local agent	
	C Complete address, phone, fax numbers and email of local agent	
03	A Name of manufacturer	
	B Complete address, phone, fax numbers, email and website of manufacturer	
04	Brand Name of Product(s)	
05	Country of origin/manufacturing facility	
06	Port of shipment	
07	Minimum shelf life of product	

4. Packing

- 4.1 Material will be supplied in brand new drums as per manufacturer's specification. Packing should be of international standard (pelletized packing)
- 4.2 Each drum should be clearly marked with contract no., chemical name, and name of manufacturer, net & gross weights, lot/batch No. and expiry date.

5. Delivery Period

Delivery of Water Treatment Chemicals should be made within 90 days after establishment of Clean LC.

6. Specific Conditions and Vendor Liabilities for Supply Of Water Treatment Chemicals

The company (OGDCL) invites bids from bidders for the supply of different water treatment chemicals in accordance with the terms and conditions listed below:

- 6.1 Only genuine manufacturers having manufacturing experience at least 10 years will be considered appropriate for technical evaluation, trade houses and stockiest will not be treated as manufacturers. Bidder must have a local set-up for technical and after sale services in Pakistan.
- 6.2 Bidder shall provide complete details with their technical bid for the shipping, storage and protection of the chemical at H2S plant.
- 6.3 Vendor shall guarantee that their supplied chemicals shall fulfill the process requirements as indicated in Clause 2. Vendor shall be liable to identify/provide the details of requirements to meet the requirement provided in Clause 2. Bidder may quote any additional chemical to achieve the required results which will consider in financial evaluation.
- 6.4 Bidder will have to confirm compatibility of their quoted chemicals with plant metallurgy and their effects on metal to avoid corrosion / leakage/ choking etc. and with previously in use water treatment chemicals.
- 6.5 The quantities mentioned in the tender are for 02 years requirement and based on average usage of the in-use water treatment chemicals. Dosing rates of each quoted chemicals must be mentioned in bid which is also to be consider in technical and financial evaluation. Bidder may visit OGDCL Plant site before quoting chemicals and their experts may give recommendations regarding dosage/usage of their offered chemicals on the basis of water quality control parameter data.
- 6.6 For any newly quoted chemicals which are technically responsive and financially lowest, the vender/bidder will be responsible for conducting free trial run at Uch plant and will provide indented chemicals for said trial run free of cost also, the trial run quantity will be adjusted in the total order

- quantity in case of successful trial run. During trial run bidder will have to achieve required results with their quoted / recommended dosing rates otherwise they will be responsible to provide additional required chemical(s) to OGDCL free of cost. OGDCL may asked to conduct trial run before complete shipment to any of the bidder who previously supplied the same chemicals to OGDCL in order to witness the quoted dosing rates.
- 6.7 Before placing purchase order, successful bidder will have to provide complete list of the controlling parameters and their acceptable ranges require analyzing for monitoring the efficiency of dosing chemicals and for smooth plant operations.
- 6.8 During entire course of usage of chemicals (18 to 24 Months) bidder will have to achieve required results with their quoted / recommended dosing rates. In case excess dosing and early depletion of 18 to 24 montsh stock bidder will be responsible for providing additional required chemical(s) to OGDCL free of cost.

7. Technical Services

- 7.1 Bidder's expert must be available at plant at the time of initial usage of their supplied chemicals till completion of its performance test. This activity includes, but not limited to handling, optimization of dosing rates and to identity the problems and trouble shoot and recommend solution(s) during the activity.
- 7.2 Onsite training of operation and analytical services personnel during activity No 7.1.
- 7.3 Complete lab analysis of sample(s) recovers during shut down activities from cooling and boiler units (annually 03 samples max.)
- 7.4 Perpetual Technical Support.
- i. Telephonic conversations, no limits
 - ii. Update of new product/development
 - iii. Technical assistance throughout the usage of chemical as and when required at the supplier/vendor expenditures.