

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 Cooling Water & Boiler Feed Water Treatment Chemicals
Tender Enquiry No PROC-FA/CB/P&P-4598/2019
Due Date
Evaluation Criteria FULL

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	COOLING WATER TREATMENT CHEMICAL, SCALE DEPRESSANT (DEPOSITROL BL-5300) OR EQUIVALENT	Kilo Grams	5800					
2	COOLING WATER TREATMENT CHEMICAL, CORROSION INHIBITOR (FLO-GARD, MS 6209) OR EQUIVALENT	Kilo Grams	7600					
3	COOLING WATER TREATMENT CHEMICAL, BIOCID (SPECTRUS NX-1164) OR EQUIVALENT	Kilo Grams	4400					
4	BOILER WATER TREATMENT CHEMICAL, SCALE INHIBITOR (OPTISPERSE PO-5068) OR EQUIVALENT	Kilo Grams	14000					
5	BOILER WATER TREATMENT CHEMICAL, OXYGEN SCAVENGER (OS-5601) OR EQUIVALENT	Kilo Grams	2400					

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 \$2,500/= (United States Dollar Two Thousand Five Hundred Only) or equivalent Pak Rupees, with technical bid and valid for 150 days from the date of opening of the bids. Bid bond in foreign currency or equivalent Pak Rupees will be accepted. Bid Bond will not be acceptable with the banks whose market price per share is quoted below the par value at the Stock Exchange. The bank guarantee must be issued in accordance with the format as per Annexure-C of the tender documents.

2. 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.

3- Shipment from Asian Clearing Union (ACU) Member Countries: In case of shipment from Asian Clearing Union (ACU) member countries i.e, Bangladesh, Bhutan, Iran, India, Maldives, Nepal, Pakistan, Sri Lanka, and Myanmar, the LC beneficiary should be of that particular country from where the consignment is being shipped.

4. 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.

5. Foreign Procurement Payment Terms (also available at OGDCL website (Tenders Tab):

(i) **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.

(ii) **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.

Water Treatment Chemicals

OGDCL invite bids for the supply of different Water Treatment Chemicals (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

(Raw water composition may vary slightly due to seasonal impact / atmospheric conditions)

S.No.	Parameters	Unit	Range
1	pH	~	8.10
2	Conductivity	us/cm	244
3	TDS	mg/l	115
4	Total Hardness as CaCO ₃	mg/l	56
5	Calcium Hardness as CaCO ₃	mg/l	36
6	Magnesium Hardness as CaCO ₃	mg/l	20
7	Chloride	mg/l	32

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	200 - 300
9	pH of LP & HP Steam	---	8.50 - 9.50

3. Necessary Data

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

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, 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 is desired in minimum possible time after successful trial run.

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 be considered 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.
- 6.5 The quantities mentioned in the tender are for 18-24 months requirement and based on average usage of the in-use water treatment chemicals. Dosing rates of each quoted chemical must be mentioned in bid which is also to be considered 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 vendor/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 be 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 Expiry of the chemicals shouldn't be less than 3 years.

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 identify the problems and trouble shoot and recommend solution(s) during the activity.

7.2 Onsite training / briefing of operation and analytical services during activity No 7.1.

7.3 Complete lab analysis of sample(s) recovered 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.