

**ADVERTISEMENT**

**MIDLAND REFINERIES CO. ANNOUNCES FOR PURCHASING THE MATERIALS AS STATED BELLOW:-**

<b>REQ.NO.</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>PRICE/ ID DINAR</b>	<b>عدد مرات الاعلان مرة ثانية</b>
<b>1613/2011 1643/2010</b>	<b>CORROSION AND SCAL INHIBITOR BIOCIDE BIO DISPERSANT</b>	<b>140 TON 35 TON 25 TON</b>	<b>150 000</b>	

**NOTE:**

1. THE REQ. TO BE SOLD IN IRAQI DINAR, UN RETURNABLE.
2. WE PREFER PRICES IN US DOLLAR AND CIP BAGHDAD (DAURA REFINERY ) AND NOT ACCEPTABLE BY LOCAL CURRENCY FOR FOREIGN REQ.
3. CLOSED (TECHNICAL & COMMERCIAL ) OFFERS TO BE SUBMITTED SEPARATELY BY (DHL) & ALL THE OFFERS THAT SEND BY E-MAIL WILL BE REFUSED.
4. ALL DOCUMENTS (PROFILE) AND SIMILAR CONTRACTS WHICH THEY ACHIEVED ISSUED BY GOVERNMENTAL CONTRACTS MUST BE SUBMITTED BEFORE PURCHASING THE REQ. OR ENCLOSE WITH THE TECHNICAL OFFER OTHERWISE THE OFFER WILL BE REFUSED
5. TERMS OF PAYMENT IS L/C TO BE PAID 100% AFTER THE RECEIPT OF GOODS IN BAGHDAD COMPLETE AND AS ORDER.
6. AN UNCONDITIONAL PERFORMANCE BOND OF 5% OF TOTAL AMOUNT OF THE L/C TO BE SUBMITTED BEFORE OPENING OF THE L/C IN FAVOUR OF (MIDLAND REFINERIES CO.) TO BE RELEASED AFTER THE RECEIPT OF GOODS COMPLETE AND AS ORDERED.
7. THE TOTAL VALUE DELAY PENALTY SHOULD BE APPLIED AND NOT EXCEED 10%
8. THE BID BOND SHOULD BE SUBMITTED 1% FROM THE TOTAL VALUE OF YOUR OFFER (COMMERCIAL OFFER) AS LETTER OF GUARANTEE OR CERTIFIED CHEQUE OR BANK GUARANTEE ISSUED FROM ( TRADE BANK OF IRAQ, DAR ESSALAAM INVESTMENT , ALA ATIMAN , BYBLOS, ISLAMIC BILAD , MIDDLE EAST ASHUR INTERNATIONAL BANK FOR INVESTMENT ) RELEASED IMMEDIATELY IN CASE THE REQUEST IS NOT AWARDED TO THE COMPANY.
9. THE COMPANY MUST SUBMIT ACOVENANT ENCLOSED WITH THE TECHNICAL OFFER THAT THEY HAVE SUBMITTED ABID BOND WITH COMMERCIAL OFFER AND ( WITHOUT STATING THE AMOUNT OF THE BID BOND ) OTHERWISE THE OFFER SHOULD BE NEGLECTED
10. 3% FROM TOTAL VALUE OF THE PURCHASE ORDER FOR IRAQI COMPANIES ALSO IN CASE THE PAYMENT OF PAYABLE IN IRAQI DINAR TO BE DEDUCTED AS TAXES AND RETURN THROUGH TAXES OFFICE
11. 0.002 stamp duty should be deducted .
12. ORIGIN CERTIFICATE & COMMERCIAL INVOICES SHOULD BE APPROVED BY IRAQI EMBASSY
13. ALL OFFERS AND CORRESPONDENCES SHOULD BE CLEARLY SIGNED BY GENERAL MANAGER OR WHOM ARE OFFICIALLY EMPOWERED VIA A POWER OF ATTORNEY OTHERWISE THE OFFERS SHOULD BE NEGLECTED
14. **CLOSING DATE IS- 8/3/2011 TILL (1) O, CLOCK (AFTER NOON)**

**NOTE:- YOU CANFIND THE CONDITIONS OF SUBMITTING OFFER ON  
WEBSITE : [www.oil.gov.iq](http://www.oil.gov.iq) OR [www.dauramrc.com](http://www.dauramrc.com)**

**SAAD NOORI MOHAMMED  
G. MANAGER**

REQ. NO. :1613/2011

**PURCHASING SPECIFICATIONS OF BIOCIDES-ALGAEICIDES.  
BACTERICIDES FOR INDUSTRIAL COOLING WATER**

- SHOULD BE COMPATIBLE WITH ALL CORROSION, SCALE PREVENTION AND CHLORINATION PROGRAMMES FOR COOLING WATER SYSTEMS.
- SHOULD CONTROL AND PREVENT THE GROWTH OF ALGAE, FUNGI AND BOTH AEROBIC, ANAEROBIC AND SULPHATE REDUCING BACTERIA IN COOLING WATER.
- SHOULD WORK AS A BIOCIDES AND BIO-DISPERSANT FOR EFFECTIVE
- SHOULD BE EFFECTIVE UNDER ALKALINE CONDITIONS  
(PH RANGE 7.5-9.0) .
- IT SHOULD BE BIODEGRADABLE .
- DOSING RATE TO BE DEFINED .
- SHELF LIFE OF PRODUCTS TO BE GIVEN .
- IT SHOULD NOT CONTAIN HEAVY METALS OR PHENOLS .
- IT SHOULD HAVE BEEN FIELD TESTED SUCCESSFULLY IN OUR PLANTS .
- LAB PROCEDURES AND NECESSARY CHEMICAL REAGENTS AND APPARATUS FOR DETERMINING BACTERIA COUNTS OF ALL KINDS IN THE SAMPLES MUST BE OFFERED .

**QTY. :35 TON**

**REQ. NO. : 1613/2011**

**BIO DISPERSANT**

**SPECIFICATION :-**

1. STRONG DISPERSANT EFFECTS GIVES OUTSTANDING SLIME EXFOLTING EFFICIENCY , EVENLY EFFECTIVE EXFOLTING ALL ACIDIC TO ALKALI PHASE.
2. LONG PERIOD OF STABILITY AND SUSTAINED EFFECTIVENESS EVEN IF IN RELATIVELY HIGH TEMPERATURE.
3. NEITHER CONTAINS HEAVY METALS NOR USE INTER MATERIALS .
4. SHELF LIFE OF PRODUCT TO BE GIVEN .
5. IT MUST HAVE BEEN FILED TESTED SUCCESSFULLY IN OUR FACILITIES .
6. LAB. PROCEDURES & NECESSARY CHEMICAL REAGENTS & APPARATUS FOR GENERAL TESTING & EVALUATION OF WATER SAMPLES & DETERMINING RESIDUAL OF THE PRODUCT IN THE SAMPLES MUST BE OFFERED .

**QTY. : 25 TON**

**REQ. NO. : 1613/2011**

**PURCHASING SPECIFICATIONS OF CORROSION AND SCALE INHIBITOR FOR  
CIRCULATING COOLING WATER SYSTEMS**

- 1- ORGANIC PLOYMER, NOT CONTAIN ZINC OR ANY OTHER MATERIAL .
- 2- IT MUST BE BIODEGRANABLE AND COMPATIBLE WITH THE RAW AND MAKE – UP WATER CHARACTERISTICS .
- 3- IT MUST BE NON-CHROMATE TYPE .
- 4- IT MUST BE RESISTENT TO TIME TEMPERATURE AND PH
- 5- IT MUST PROVIDE A LOW CORRISION RATE ( 5 MPY) MAX .
- 6- IT SHOULD ELIMINATE H<sub>2</sub>SO<sub>4</sub> INJECTION .
- 7- IT SHOULD BE RESTENT TO CHLORIN .
- 8- PROTECTION FROM CORROSIN SHOULD INCLUDE COPPER AND COPPER ALLOYS .
- 9- MINIMUM IN-PLANT SHELF LIFE MUST BE STATED .
- 10- TYPE AND CONCENTRATIONS OF ACTIVE INGREDIENTS MUST BE STATED .
- 11- IT MUST HAVE BEEN FIELD TESTED SUCCESSFULLY IN OUR FACILITIES .
- 12- LAB PROCEDURES AND NECESSARY CHEMICAL REGENTS APPARATUS FOR GENERAL TESTING AND EVALUATION OF WATER SAMPLES AND FOR DETERMINING RESIDUAL OF THE PRODUCT IN THE SAMPLES MUST BE OFFERED .

**NOTE:**

**MEASURMENT DEVICES WITH THE REAGENT SHOULD BE PROVIDE AS BELOW**

**:-**

- SPECTROPHOTOMETER.
- PH METER
- CONDUCTIVITY METER.
- CHLORINE METER.

**QTY. : 140 TON**

# COLING TOWER SPECIFICATION

## CHEMICAL ANALYSIS

ITEM	RANGE
PH	8.1 - 8.5
CONDUCTIVITY	1100 - 2430 $\mu$ S/CM
TDS	720 – 2000 PPM
M -ALK	140 – 274 PPM
CAH	236 – 284 PPM
TH	400 – 700 PPM
TURBIDITY	6 – 12 NTU
N.C	1.1 – 2.1
FREE CHLORINE	0.0 – 0.5 PPM

## SYSTEM SPECIFICATION

ITEM	LIGHT OIL	LUBE - 1 -	LUBE -2-	LUBE - 3-
HOLDING VOLUME M <sup>3</sup>	10000	230	1450	2700
RECIRCULATION RATE M <sup>3</sup> /HR	16000	1135	2460	5400
BLOW DOWN M <sup>3</sup> /HR	170	30	150	50
MAKE UP M <sup>3</sup> /HR	400	38.1	176	120

\* CHEMICAL CONSUMPTION FOR FOUR COOLING TOWERS SHOULD BE MENTIONED AS KG/ DAY FOR WORST CONDITIONS

\* CORROSION RATE SHOULD BE LIMITED TO LESS THAN 5MPY .