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Tender No & Date : **SKI5970P15** **Date: 16.01.2015**

Tender Fee : **Rs 1,000.00**

Bid Security Amount : **Rs 40,000.00**

Bidding Type : **Single Stage Composite Bid**

Bid Closing on : As mentioned in the Basic Data of e-portal

Bid Opening on : As mentioned in the Basic Data of e-portal

Performance Guarantee : Applicable

Integrity Pact : Not Applicable

Delivery Required : **At DULIAJAN, ASSAM**

OIL invites Bids for **AQUEOUS FILM FORMING FOAM (AFFF) COMPOUND** as per **Annexure II** through its E-Procurement site. The bidding documents and other terms and conditions are available at Booklet No. MM/CALCUTTA/E-01/2010. The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area -> Tender Documents.

The general details of tender can be viewed by opening the RFx [Tender] under RFx and Auctions. The details of items tendered can be found in the Item Data and details uploaded under Technical RFx.

The tender is invited with firm price for the specified quantity. Further details of tender are given below:-

TECHNICAL SPECIFICATIONS WITH QUANTITY

SLNO& MATERIAL CODE .	MATERIAL DESCRIPTION.	QUANTITY	UNIT
10 ----- 99000210	<u>AQUEOUS FILM FORMING FOAM(AFFF) COMPOUND</u>	25,000	L

Details Specification for Item 10:-

Aqueous Film Forming Foam(AFFF) compound for Fire Service, Duliajan, Moran & Manabhum.

AQUEOUS FILM FORMING FOAM (AFFF) COMPOUND- UL Listed

Aqueous Film Forming Foam Concentrate for fire fighting.

1 TECHNICAL:

1.1 Aqueous Film Forming Foam (AFFF) liquid concentrates to be used for fighting fires on hydrocarbon fuels.

1.2 The foam concentrates shall be Type – 3: To be used as 3 parts of concentrate in 97 parts of water v/v.

1.3 The AFFF concentrates shall be suitable for use in foam generating equipment with fresh water and sea water with no loss in its performance.

1.4 In addition to being suitable for use at low expansion, the AFFF foam concentrate shall have film formation characteristics and allow it to be used through non-aspirating monitors.

1.5 The produced foam shall essentially have a quick control time, good burn-back resistance, effective vapour sealing properties and low critical application rates.

1.6 The AFFF concentrate shall conform to IS: 4989 latest revision & marked with IS: 4989. Copy of IS certificate should be submitted along with offer.

1.7 The AFFF foam concentrate shall be UL (underwriters Laboratories) listed conforming to UL-162.

1.8 The bidder shall submit the UL Listing confirming that the offered AFFF foam should be compatibility approved with following UL Listed equipment:-

1.8.1 Proportioners - Portable IN-Line Inductors

1.8.2 Proportioners -Fixed IN-Line Inductors

1.8.3 Nozzles

1.8.4 Foam Monitors

1.9 The material shall have no adverse effect on health of personnel when used for the intended purpose. It shall be biodegradable. Necessary supporting documents shall be submitted along with offer.

2 AFFF CONCENTRATE CHARACTERISTICS:

2.1 The concentrate shall conform to the physical properties, chemical properties & performance requirements as per IS:4989 (latest revision) & UL-162 as follows:

2.1.1 Tests as per IS: 4989:

Foam concentrate shall meet following physical properties, chemical properties & performance tests conforming to IS: 4989(latest revision):

Table - I

Sl. No. Concentrate requirements Values Test Method as per IS:4989 latest amendment

(1) (2) (3) (4)

i) pH 6.5 - 8.5 Annex. A of IS: 4989

ii) Specific gravity 1.0 – 1.12 Annex. B of IS: 4989

iii) Miscibility with water Miscible (shall pass the test) Annex. C of IS:4989

iv) Viscosity 10 cSt. Max Using viscosity meter of size no. 3, as given in table 2 of IS 1206 (Part 3)

v) Pour point Zero Annex. D of IS: 4989

vi) Sludge content (% w/w) max. Original 0.25

Conditioned 0.5 Annex. E of IS: 4989

vii) Spreading co-efficient +4.5 Minimum (using both fresh & sea water) Annex. F of IS: 4989

(Minimum value shall be min. + 4.5 conforming to OISD-115 instead of +3.0 as given in IS: 4989)

viii) Film Formation Yes Annex. H of IS: 4989

ix) Expansion at $27 \pm 5^\circ\text{C}$ 8 to 12 Annex. J of IS: 4989

x) 25% Drainage time at $27 \pm 5^\circ\text{C}$, (min.) 1 min, 30 Sec. Annex. J of IS: 4989

xi) Fire control(s) 60 Sec. Annex. K of IS:4989

xii) Fire extinction(s) 90 Sec. Annex. K of IS:4989

xiii) Burn back, Min. 8 Mins. Annex. K of IS: 4989

xiv) Seal ability To pass the test Annex. K of IS: 4989

2.1.2 Tests as per UL-162:

Foam concentrate shall meet following performance tests conforming to UL-162:

Table –II:

S.No. Test UL-162 Clause

i) Film Forming Test Clause No. 6

ii) Foam Quality Tests Clause No. 8

iii) Class B Fire Tests Sprinklers and Spray Nozzles Clause No. 9

iv) Class B Fire Tests – Topside Discharge Devices Clause No. 10

v) Induction Rate Tests Clause No. 12

vi) Minimum Storage Temperature Test Clause No. 13

2.1.3 In addition to tests as given in the table –II, Foam concentrate shall meet following special fire equipment tests as per UL-162:

Table –III:

S.No. Test UL-162 Clause

i) Drainage time with non-aspirating type monitors of minimum 500 GPM capacity. Clause No. 8.1.1(a)

ii) Foam Expansion with non-aspirating type monitors of minimum 500 GPM capacities. Clause No. 8.1.1(b)

2.1.4 Non-metallic Storage container for foam concentrate shall meet following tests Conforming to UL-162:

Table –IV:

S.No. Test UL-162 Clause

i) Drop Test Clause No. 21

ii) Non-metallic Container Tests (OIL shall review the test documents) Clause No. 22

3 PACKAGING:

3.1 The AFFF Compound shall be supplied in UV protected HDPE containers of capacity preferably 30/200 liters.

3.2 25% AFFF Compound should be supplied in 30 Litres Jerry cans and Remaining 75% in 200 Litres HDPE Drum.

3.3 The container shall bear UL (UL-162) & BIS (IS: 7959) marking. The bidder shall provide UL & IS certificate for the container along with the offer.

3.4 Each container shall be legibly and indelibly marked with the following information along with other marking as per UL & IS:

a) UL marking for AFFF and BIS certification marking.

b) Manufacturer's name or trade mark, if any

c) Type

d) Foam compatible with: Fresh Water & Sea Water

e) Quantity in liters

f) Month and year of manufacture and production batch no

g) Net and gross weight in kg

3.5 Opening spanners (Min. 2) for opening the HDPE containers both type i.e. Jerry cans & HDPE Drums (Each type) shall be supplied along with the supply.

4 UNDERTAKING:

4.1 The offered AFFF shall have a shelf life of minimum 15 years.

1 INSPECTION NOTE:

1.1 5.1 Inspection will be carried out at Supplier's Works before dispatch by OIL's representative in presence of any one of OIL approved "Third Party Inspection Agency" viz. M/s Bureau VERITAS/ IRS/ LRIS/ RITES/ DNV / Tuboscope Vetco.

1.2 Vendor shall inform in advance when the foam is ready for final inspection/testing.

1.3 Scope of Inspection shall be as per Table-I, Table-II, Table-III & Table-IV of the specification.

1.4 The vendor shall arrange for conducting following tests on samples randomly drawn from dispatch ready lot of the ordered foam for ensuring quality of the foam/containers being supplied at no extra cost to OIL:

1.4.1 Physical properties, chemical properties & performance tests for foam concentrate conforming to IS: 4989(latest revision) as mentioned in table-I.

1.4.2 Performance tests for foam concentrate conforming to UL-162 as mentioned in table-II.

1.4.3 Additional test for foam concentrate with non-aspirating type monitor as mentioned in table-III.

1.4.4 Tests for non-metallic container as mentioned in table-IV. Reports of the Non-metallic container test as per clause 22 of UL-162 shall be reviewed during inspection.

1.5 Five filled containers of foam shall be set aside from each "lot of the supply" and the same shall be sealed in presence of a manufacturer representative & OIL's representative at the time of inspection. These samples shall be termed as "control samples". OIL in its discretion may send the control samples for testing to any of the following laboratories:

1.5.1 Centre for Fire, Explosive and Environment Safety (CFEES) of Defense Research & Development Organization

1.5.2 Fire Test & research Laboratory of Institute of Fire Engineers, India or

1.5.3 Any NABL accredited laboratory approved for testing of the foam.

1.5.4 In case of control sample fails in test, the vendor shall replace all unspent AFFF concentrate supplied under the purchase order at no cost to OIL.

2 Documents:

2.1 The percentage of imported material i.e. quantity of fluorocarbon surfactant / super concentrate to be used in manufacturing of AFFF compound shall declared by the bidder in the offer.

2.2 The bidder shall submit the spectra conformity graph evaluated by UL for his product during UL Listing along with offer.

2.3 The bidder shall submit the UL Listing confirming that the offered foam should be compatibility approved with following UL Listed equipment:-

2.3.1 Proportioners - Portable IN-Line Inductors

2.3.2 Proportioners -Fixed IN-Line Inductors

2.3.3 Nozzles

2.3.4 Foam Monitors

2.4 Bidder should confirm that they are having all the testing facilities at their premises for carrying out all the tests mentioned in the specification.

2.5 Bidder should submit all valid certificates for calibration of required instrument/ equipment at the time of inspection.

2.6 Material Safety Data Sheet (MSDS) shall be supplied along with supply.

2.7 The sample from the supply may be send for verification of "spectra conformity graph" to any approved source / laboratory available in India like IIT, DRDO etc. where such facility exists for verification.

3. Testing Facilities:

3.1 The vendor shall have test facilities as per IS and UL requirement to carry out physical & chemical properties and performance tests as specified in table-I, Table-II & Table-IV in its premises.

The tender will be governed by:

- a) "General Terms & Conditions" for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).
- b) Technical specifications with BEC/BRC and Qty. as per **ANNEXURE II** .
- c) The prescribed Bid Forms for submission of bids are available in the Technical RFx -> External Area - > Tender Documents.
- d) In the event of receipt of only a single offer against the tender within B.C. date, OIL reserves the right to extend the B.C. date as deemed fit by the Company. During the extended period, the bidders who have already submitted the bids on or before the original B.C. date, shall not be permitted to revise their quotation.
- e) Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this or any other contract may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).
- f) Bidder are advised to fill up the Technical bid **CHECK LIST** and **RESPONSE SHEET** given in MS excel format in Technical RFx -> External Area - > Tender Documents. The above filled up document to be uploaded in the **Technical RFX** Response.

Special Note:

1.0 General Qualification Criteria:

In addition to the general BRC/BEC, following criteria on Bidders' Experience and their financial capabilities shall be considered (documentary evidence to be provided along with the bid in Technical RFx -> External Area -> Tender Documents as on the Bid Closing Date:

a) Bidder should have experience of successfully executing

similar order for atleast Rs 12.00 Lakhs during last 3 years as on the Bid Closing Date.

b) Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 40.00 Lakhs.

2.0 Application showing full address / e-mail address with Tender fee (non-refundable) of ₹ 1000.00 per tender (excepting PSU and SSI units registered with NSIC) by Demand Draft in favour of M/s. Oil India Limited payable at Kolkata and to be sent to Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001. Application shall be accepted only upto one week prior to Bid Closing date. The envelope containing the application for participation should clearly indicate “REQUEST FOR ISSUE OF USER ID AND PASSWORD FOR E TENDER NO SKI P15 for easy identification and timely issue of authorisation. On receipt of requisite tender fee and subject to fulfilment of eligibility criteria, USER_ID and initial PASSWORD will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal. No physical tender documents will be provided. USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

Alternatively, applicants already having User ID & Password for OIL's e-portal can pay the requisite tender fee and bid security against this tender through the online payment gateway.

On receipt of request from applicants who do not have USER_ID and initial PASSWORD, it will be communicated to the bidder (through-e-mail) and will be allowed to participate in the tender through OIL's e-Procurement portal on payment of requisite tender fees. No physical tender documents will be provided. USER_ID AND INITIAL PASSWORD WILL BE ISSUED TILL ONE WEEK PRIOR TO THE BID CLOSING DATE.

PSU's and SSI units registered with NSIC claiming exemption from payment of tender fee should submit their request with all credentials at least 7 days prior to bid closing date for participation in the tender

3.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with Tender no. and Due date to Head-Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata – 700 001 only on or before the Bid Closing Date and Time mentioned in the Tender.

a) Original Bid Security

b) Detailed Catalogue (if any)

c) Any other document required to be submitted in original as per tender requirement

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate

- 4.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the NIT or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in rejection of its offer without seeking any clarifications.
- 5.0 All the Bids must be Digitally Signed using “Class 3” digital certificate (e-commerce application) with organisation name as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.
- 6.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.
- 7.0 Bid must be submitted electronically only through OIL’s e-procurement portal. Bid submitted in any other form will be rejected.
- 8.0 The tender shall be governed by the Bid Rejection & Bid Evaluation Criteria given in enclosed Annexure-II. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria contradict the Clauses of the tender and / or “General Terms & Conditions” as per Booklet No. MM/CALCUTTA/E-01/2010 for E procurement (LCB Tenders) to General Terms and Conditions for Indigenous E-Tender elsewhere, those in the BEC / BRC shall prevail.
- 9.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
10. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

NOTE:

- 1. Bidders should submit their bids explicitly mentioning compliance / non compliance to all the NIT terms and conditions.**
- 2. PSUs and SSI units are provided tender documents Free of Cost (as per govt guidelines), however they have to apply to OIL's designated office to issue the tender documents before the last date of sale of tender document mentioned in the tender.**

PAYMENT: As per General Terms and conditions for e-Procurement as per Booklet NO. MM/CALCUTTA/E-01/2010 for E-procurement (LCB Tenders).

BID EVALUATION CRITERIA/BID REJECTION CRITERIA

The following BRC/BEC will govern the evaluation of the bids received against this tender. Bids that do not comply with stipulated BRC/BEC in full will be treated as non responsive and such bids shall prima-facie be rejected. Bid evaluation will be done only for those bids that pass through the "Bid Rejection Criteria" as stipulated in this document.

Other terms and conditions of the enquiry shall be as per General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BRC / BEC) contradict the Clauses of the tender or MM/CALCUTTA/E-01/2010 elsewhere, those in the BRC / BEC shall prevail.

1. BID REJECTION CRITERIA (BRC):

The bid must conform to the specifications and terms and conditions given in the enquiry. Bids shall be rejected, in case the item(s) offered do not conform to the required minimum/maximum parameters stipulated in the technical specifications and to the respective national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non responsive and rejected.

A TECHNICAL

1. Vendor must be manufacturer of UL listed & ISI marked (IS:4989) AFF foam. In support of above, manufacturer shall submit following documents along with the offer/ bid:-

- 1.1 The copy of valid UL listing certificate.
- 1.2 The copy of valid ISI certificate.
- 1.3 The copy of "Certificate of Incorporation / NSIC Certificate" of the firm.

2. The Bidder shall be in the business of manufacturing of Foam Compound continuously for last 3 (Three) years preceding to the Bid Closing date of this Tender. Necessary document {i.e. Copy of Audited Balance sheet for last 3 (Three) years} shall be submitted along with bid.

3. The bidder should have the experience of successful execution of supply of at least 7,500 litres UL Listed AFFF / FFFP or in combination of AFFF & FFFP in the last 03 (Three) years preceding to the Bid Closing date of this Tender. Necessary document i.e. Copy of purchase Orders and proof of delivery/ Performance certificate shall be submitted along with bid.

B COMMERCIAL

- i). **Bid security of Rs 40,000.00** is to be submitted in the form of bank guarantee as per format given in document MM/CALCUTTA/E-01/2010 for E-Procurement LCB

Tenders and is to be submitted in sealed envelope superscribed with BID SECURITY AGAINST Tender no **SKI5970P15 dated 16.01.2015 to Head Calcutta Branch, Oil India Limited, 4, India Exchange Place, Kolkata-700001** only on or before the Bid Closing Date and Time mentioned in the Tender.

Alternately bid security may be paid online through e procurement portal. For exemption for submission of Bid Security, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. **The Bid Security shall be valid for six month more than the bid validity.**

In case of extension of Bid Closing Date against the tender where a bidder has already submitted his bid with requisite bid security validity within the original B.C. date, such bidders will extend validity of bid security covering the extended period of the bid closing date.

- ii). The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- iii). The Annual financial turnover of the firm in any of the last 3 financial years or current financial year should not be less than Rs 40.00 lakh. In support of annual financial turnover, any one of the following documents/photocopies (self attested/attested) must be submitted along with the bid:
 - A certificate issued by a practicing chartered/cost accountants firm with membership no. certifying the annual turnover and nature of business.
 - Audited balance sheet and profit & loss account
- iv). Successful bidder will be required to furnish a **Performance Bank Guarantee @10%** of the order value. For exemption for submission of Performance Bank Guarantee, please refer relevant para of General Terms and Conditions vide MM/CALCUTTA/E-01/2010 for E-Procurement LCB Tenders. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of despatch whichever is earlier. **Bidder must confirm the same in their bid. Offers not complying with this clause will be rejected.**

The validity requirement of Performance Security is assuming despatch within stipulated delivery period and confirmation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.

- v). **The Bank Guarantee should be allowed to be encashed at all branches within India.**
- vi). Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

- vii). Validity of the bid shall be minimum 120 days from the Bid Closing Date. Bids with lesser validity will be rejected.
- viii). Bids containing incorrect statement will be rejected.
- ix). All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be rejected.

2.0 BID EVALUATION CRITERIA (BEC):

A. TECHNICAL:

The bids conforming to the technical specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjecting to Bid Rejection Criteria (BRC) will be considered for further evaluation as per the Bid Evaluation Criteria given below.

- i) All materials as indicated in the material description of the enquiry should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B. COMMERCIAL:

a. To evaluate the inter-se-ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing Govt. of Assam guidelines as applicable on bid closing date. Bidders may check this with the appropriate authority while submitting their offer.

b. In the event of computational error between the unit price and total price, unit price shall prevail for evaluation.

c. Similarly in the event of discrepancy between the words and figure, words shall prevail and adopted for evaluation.

d. To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

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