



Oil India Limited
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam

Telephone No. (91-374) 2808724

Fax No: (91-374) 2800533

Email: materials@oilindia.in; erp_mm@oilindia.in

Tender No. : **SDG6518P15/07**

Bidding Type : **SINGLE STAGE COMPOSITE BID SYSTEM**

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

Bid Opening on : -do-

Tender Fee : **INR 4,500.00 OR USD 100.00**

Bid Security Amount : **INR 88,640.00 OR USD 1,970.00**

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Global Tenders for items detailed below:

Item No.	MATERIAL DESCRIPTION	QTY.	UOM
<u>10</u>	<p><u>WELL TEST ANALYSIS SOFTWARE</u></p> <p>The Transient Well Test Analysis Software should be able to analyse the data , analytically , numerically and should be able to present in Mesh Form under single windows application . The data transfer and analysis , presentation in graphical grids should be integrated seamlessly in single software module.</p> <p>- Such a software should be able to load and handle unlimited number of pressure data points and from multiple gauges.</p> <p>- This software should have capacity to do well test analysis on a 2-D geological map. It should be able to digitize contour map, well locations, faults. It should also be visualized in 3-D.</p> <p>- It should have option of selecting automatically an appropriate model from generated curves based on a list of models suggested from some inbuilt algorithm like artificial intelligence based model advisor.</p> <p>- It should have the capability of doing a number of analysis successively either starting from previous analysis or from nothing. It should be capable to accept changes during the analysis process it self.</p> <p>- It should have option of regression on the type curve, or historical</p>	01	No.

	<p>pressures, and should include an option for the program to use a wide search type of starting values for the parameter.</p> <ul style="list-style-type: none"> - It should include a numerical simulator for complicated geometries. - This numerical simulator should be able to handle reservoirs of variable thickness and porosities, including dual porosity reservoirs. Should be able to simulate multiphase behaviour layer by layer. - It should have option to create an intake plot with a choice of pressure drop correlations, import third party lift curves and correction of the model pressures to the actual gauge depth. - It should be able to handle multi-phase and multi-layered reservoirs analytically . The Multi-layer option should be able to handle the input an unlimited number of downhole rate channels corresponding to any combination of layer contributions and the rates are to be included in the non-linear regression. - It should have a very user-friendly environment, including for the simulator. - Data loading and handling has to be flexible and easy. The program should have sophisticated algorithms to handle noisy data. Wave let filtering should be there to handle very large data files without altering the character of the reservoir events occurring during the build up or flow period. - It should have capability to create a derivate plot by taking into account noise minimization and easy selection of most accurate well model, reservoir model and boundary condition. This is very important to arrive at right results. - It should be able to do quality control/quality assurance of gauge data. - The program has to have an extensive library of well, reservoir and boundary models. - 2D unstructured Voronoi grid map for numerical model simulation that includes the possibility of additional interfering wells, faults with varying transmissibility, varying porosity and varying formation thickness. - The possibility to import an unlimited number of data sets from an unlimited number of gauges and then perform unlimited number of interpretations in the same session. Ability to overlay analyses and compare. 		
--	---	--	--

	<ul style="list-style-type: none"> - Overlay and comparison of files from transients years apart or from similar nearby wells. - Advanced non linear regression including hybrid genetic algorithm for wide searches and avoiding local traps. - Ability to handle non linear diffusion in the 2D simulator hence respecting real PVT in the case of Condensate, dead oil, , real gas bubble point or dew point liquids, with or without water. - 3D time stepped representation of pressure behavior in the 2D model. - The provision must exist to link to Production performance analysis software module capable of performing following : <ul style="list-style-type: none"> - Multiple variants of the Arps plot. - Fetkovich type-curves. - P-Q plots, to discriminate between transient and boundary dominated flow. - Normalized rate cumulative plot - A variation of the Agarwal-Gardner. - Flowing material balance - Square root plot. - Power law loss ratio plot. - the rate and pressure history match, - the loglog plot and the Blasingame plot. The Blasingame plot displays on a log log scale - the instantaneous and average productivity index, with derivative, vs. material balance time. - Type-curves gas material balance. - Without data, or after history matching, a production forecast for any model may be run based on the anticipated producing pressure. Sensitivity to production improvement or decay can be simulated. One can specify a wellhead pressure constraint for the reference well if an intake has been defined. <p>Platform/ Graphical and Report Output:</p> <ul style="list-style-type: none"> - Windows XP,Vista,7 and UNIX/ Linux compliant - Should be able to import files from MS-Excel, MS-Access and other ODBC compliant databases. <p>Compliant Database:</p> <ul style="list-style-type: none"> - Export plots to BMP,GIF, JPG,TIF etc., formats - Report to be exported in various word processors. - Ensure that the output from the software should be plotted / printed on a wide range of printers and plotters. 		
--	---	--	--

(A) General Notes for e-tender :

1. The tender will be governed by "General Terms & Conditions" for e-Procurement as per Booklet No.MM/GLOBAL/E-01/2005 for E-procurement(ICB Tenders) including Amendment and Addendum.
2. 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.
3. Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
4. 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 The **Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.
 - a) Original Bid Security.
 - b) Details Catalogue and any other document which have been specified to be submitted in original.All documents submitted in physical form should be signed on all pages by the authorized signatory of the bidder and to be submitted in triplicate.
5. 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.
6. Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.
7. 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.
8. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

(B) GENERAL NOTES FOR BIDDERS:

1. Cost breakup for each software module to be provided.
2. Purchase of any one or all the licenses / modules will be at OIL's discretion.
3. The bidder should agree to provide 01 year warranty of the software against any defects and malfunctions from the date of installation and commissioning.
4. The software should be installed and commissioned by the successful bidder at Reservoir Engineering Section, Geology & Reservoir Department, Oil India Ltd. Duliajan, Assam, India. The software vendor's personnel must demonstrate the performance of the systems during installation of the software.
5. Installation & Commissioning/Training Charges, if any, should be quoted separately on lump sum basis which shall be considered for bid evaluation.
6. Transfer/Migration of Licenses from one machine to another in case of hardware failure/disposal or upgradation will be carried out by the software vendor/developer/service provider of license without

any extra cost to the OIL.

7. The bidder should agree and quote separately inclusive of all charges for training to be imparted to 08 software users at OIL's facility at Duliagan, Assam, India immediately after installation.
8. The bidder should quote for Annual Maintenance Contract (AMC) for a period of 03 (three) years to be effective after the expiry of 01 year warranty. The cost of 03 years AMC charges thus quoted shall be considered for evaluation.

A brief scope for AMC is given below :
 - a. The AMC shall be for a period of 03 years to be effective immediately after the expiry of warranty period of 01 year.
 - b. The vendor should inform OIL about any upgrades/new version of the software immediately after its release during the AMC period.
 - c. The vendor should upgrade the existing software version to new version of the software immediately after its release during the AMC period without any extra cost to OIL.
 - d. The party should maintain contact with OIL's personnel for any assistance/guidance, through telephone, e-mail, letter and fax. In case of any issues which cannot be sorted out through e-mail etc., OIL may ask for on-site advice of expert at no extra cost to OIL. The party shall depute such expert and the dates and duration of his/her visit may be decided mutually.
9. The vendor shall be responsible for supply and uninterrupted availability of the software licenses.
10. Step by step instruction for users of the different functionalities of the software should be provided either online, in digital format or in printed form.
11. The media for the software should be portable.

(C) SPECIAL NOTES :

1. The items shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 12 months from date of successful commissioning. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense. Bidders must confirm the same while quoting.
2. Validity of the offers should be 120 days from the date of bid opening. Bids with lesser validity shall be straightway rejected.
3. The items covered by this tender shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/01/2005 enclosed. However no Recommendatory letters will be issued to Indian Bidders.

4. Check-List vide **Annexure-B** shall be filled-up and submitted along with the offer.

5. 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.

6. **Payment:** Payment shall be released as follows

- i) 80% of the order value shall be paid against proof of dispatch/shipment of the goods.
- ii) Remaining 20% of the order value along with installation and commissioning charges (if any) shall be paid after successful installation and commissioning and acceptance of the unit by OIL.
- iii) OIL may also consider making 100 % payment towards supply of the units against proof of dispatch provided bidders agree to pay interest @ 1% above the prevailing Bank Rate (CC Rate) of State Bank of India for 20% of the order value and also submit Bank Guarantee for the amount equivalent to 20% of the order value plus interest valid till successful commissioning at site.
- iv) Payment towards Installation/Commissioning/Training (if any) shall be released on successful completion of the Installation/Commissioning/Training.
- v) Payment against AMC charges shall be made on quarterly basis against the invoice(s) to be submitted by the bidder at the end of each quarter.
Any offer not complying with the above shall be loaded at one percent above the prevailing Bank Rate (CC rate) of State Bank of India for evaluation purpose.

7. Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

BID REJECTION CRITERIA (BRC)/BID EVALUATION CRITERIA (BEC)

(I) BID REJECTION CRITERIA (BRC)

The bids must conform to the specifications and terms and conditions given in the tender. 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 international / 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.

(B) COMMERCIAL:

1. Commercial Bid Rejection Criteria will be as per Section-D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria. Bids are invited under **Single Stage Composite Bid System**. Bidders shall quote accordingly under Single Stage Composite Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced)bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices, which shall be kept blank. The "Price Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.
- 2.0 **Bid security of US \$ 1,970.00 or Rs. 88,640.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)).**Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration.** A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.
- 2.1 For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).
- 2.2 The Bid Security shall be valid for one year from the date of tender opening i.e, valid upto **19.03.2016**.
3. Validity of the bid shall be minimum 120 days from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.
4. Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 12(twelve) months from the date of successful installation and commissioning against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.
5. Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order

value. The Performance Bank Guarantee must be valid for 12(twelve) months from the date of successful installation and commissioning. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

- 6 Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below:

(i) **Price Bid Format (SUMMARY) for Foreign Bidders :**

- (A) Total Material Value :
- (B) Packing & FOB Charges :
- (C) Total FOB Port of Shipment value, (A + B) above :
- (D) Overseas Freight Charges upto Kolkata, India :
- (E) Insurance Charges :
- (F) Total CIF Kolkata value, (C + D + E) :
- (G) Installation/Commissioning Charges including service tax (if any) :
- (H) Training Charges including service tax (if any) :
- (I) Total Value, (F + G + H) :
- (J) AMC Charges for 03(three) years after warranty including service tax :
- (K) Grand Value including above (I + J) :
- (L) Grand Value in words :
- (M) Gross Weight :
- (N) Gross Volume :

(ii) **Price Bid Format (SUMMARY) for Indigenous Bidders:**

- (A) Total Material Value :
- (B) Packing and Forwarding Charges:
- (C) Total Ex-works value, (A + B) above :
- (D) Excise Duty with Education Cess, (Please indicate applicable rate of Duty)
- (E) Sales Tax, (Please indicate applicable rate of Tax)
- (F) Total FOR Despatching Station price, (C + D + E) above
- (G) Road Transportation charges to Duliajan
- (H) Insurance Charges
- (I) Assam Entry Tax
- (J) Total FOR Duliajan value, (F + G + H + I) above
- (K) Installation/Commissioning Charges including service tax (if any) :
- (L) Training Charges including service tax (if any) :
- (M) Total value, (J + K + L) above :
- (N) AMC Charges for 03(three) years after warranty including service tax:
- (O) Grand Value including (M + N) above :
- (P) Grand Value in words :
- (Q) Gross Weight :
- (R) Gross Volume :

NOTE:

1. Cost of individual items must be quoted separately.
2. The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable Customs Duty for import of goods shall be ZERO

.Indigenous bidders must quote Deemed Export prices. Excise Duty under Deemed Export exempted. However no Recommendatory letters will be issued to Indian Bidders.

3. Banking charges in the country of the foreign bidder shall be borne by the bidder
7. Installation/Commissioning/Training charges should be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's personnel during their stay at Duliajan, Assam (India).

Bidders must categorically indicate the above charges in their Price Bid and must confirm the same in their Technical Bids.
8. 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.
9. 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.
10. Bids containing incorrect statement will be rejected.

(II) BID EVALUATION CRITERIA (BEC) :

Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

=====

ANNEXURE-B**COMMERCIAL CHECK-LIST**

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Original Signed quotation submitted?	YES/NO	
2.	Whether quoted as manufacturer?	YES/NO	
3.	Whether quoted as authorized dealer? [To Specify]	YES/NO	
4.	If quoted as authorized dealer,		
5.	(a) Whether submitted valid and proper authorization letter from manufacturer IN ORIGINAL confirming that bidder is their authorized dealer for the product offered?	YES/NO	
6.	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO	
7.	Whether ORIGINAL Bid Bond (not copy of Bid Bond) enclosed with the offer? If YES, provide details	YES/NO	
	(a) Amount :		
	(b) Name of issuing Bank :		
	(c) Validity of Bid Bond :		
8.	Whether offered firm prices?	YES/NO	
9.	Whether quoted offer validity of 120 days from the date of closing of tender?	YES/NO	
10.	Whether quoted a firm delivery period?	YES/NO	
11.	Whether quoted as per NIT (without any deviations)?	YES/NO	
12.	Whether any deviation is there in the offer?	YES/NO	
13.	Whether deviation separately highlighted?	YES/NO	
14.	Whether agreed to the NIT Warranty clause?	YES/NO	
15.	Whether Price Bid submitted as per Price Schedule?	YES/NO	
16.	Whether indicated the country of origin for the items quoted?	YES/NO	
17.	Whether all the items of tender quoted?	YES/NO	
18.	Whether technical literature/catalogue/drawings enclosed?	YES/NO	
19.	For Foreign Bidders - Whether offered FOB/FCA port of dispatch including sea/air worthy packing & forwarding?	YES/NO	
20.	For Foreign Bidders – Whether port of shipment indicated? [To specify]	YES/NO	
21.	For Foreign Bidders only - Whether indicated ocean freight up to C&F Kolkata port (Excluding marine insurance)?	YES/NO	
22.	Whether Indian Agent applicable?	YES/NO	
	If YES, whether following details of Indian Agent provided?		
	(a) Name & address of the agent in India – To indicate		
	(b) Amount of agency commission – To indicate		
	(c) Whether agency commission included in quoted material value?	YES/NO	
23.	Whether weight & volume of items offered indicated?	YES/NO	
24.	Whether confirmed to submit PBG as asked for in NIT?	YES/NO	
25.	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO	
26.	For Indian bidders – Whether place of dispatch indicated in the offer? [To specify]	YES/NO	
27.	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO	
28.	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO	
29.	For Indian Bidders only - Whether offered Deemed Export prices?	YES/NO	
30.	Whether quoted prices are exclusive of Excise duty?	YES/NO	
31.	For Indian bidders only – whether import content indicated in the offer?	YES/NO	
32.	For Indian Bidders only - whether all Taxes have been indicated categorically?	YES/NO	
33.	Whether all BRC/BEC clauses accepted?	YES/NO	

=====