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(A Govt. Of India Enterprise)

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**TENDER NO.** : **SDG3717L10/07**

**TYPE OF BIDDING** : **SINGLE BID**

**OIL INDIA LIMITED** invites Global Tenders for the item detailed below:

Srl. No.	Material Description	Unit	Qty
1	WATER INJECTION PUMP (DETAILED SPECIFICATION HAS BEEN FURNISHED VIDE ANNEXURE – A)	NOS.	4

**NOTES:**

1.0 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) and its amendments.

2.0 Bid Rejection Criteria / Bid Evaluation Criteria is furnished vide Annexure-B of tender document.

3.0 Technical Check list and Commercial Check list are furnished vide Annexure – C & D. Please ensure that both the check lists are properly filled up and uploaded along with the bid.

4.0 The item qualifies for Nil duty / Deemed Export benefits. For Deemed Export benefits, please refer Addendum to the General terms and conditions for Global tender.

6.0 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.

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**DETAILED TECHNICAL SPECIFICATIONS AND SCOPE OF SUPPLY  
FOR WATER INJECTION BARE PUMP.**

**A. PUMP :**

**1. Make :**

NATIONAL OILWELL / BPCL

**2. Model :**

336-P ( 63 - 10R )

**3. Type**

Horizontal, single acting, triplex plunger pump as per API Standard 674.

**4. Capacity and Discharge**

The plunger size selected should be adequate to meet the pressure and volume requirements of 142 Kg/cm<sup>2</sup> and 22 m<sup>3</sup>/hr respectively.

**5. Pump Speed**

The speed limit of the offered pump shall be governed by the maximum allowable speed ratings for single acting plunger type pumps in continuous service as per API 674 standards .

NOTE : 'Continuous duty' means pump having service operation on full load for a period of 8 hours to 24 hours per day as per Hydraulic Institute Standard application.

**6. Pump Operating Conditions :**

Horizontal, Single Acting, Triplex plunger Pumps as per API Standard 674 on continuous duty service as per Hydraulic Institute Standard for pressure maintenance/water injection duty as per specifications given below :

(1.0) OPERATING CONDITIONS :

- |       |                    |                     |
|-------|--------------------|---------------------|
| (1.1) | DISCHARGE CAPACITY | : 22.0 Cu .M / Hr.  |
| (1.2) | DISCHARGE PRESSURE | : 142.0 Kg / Sq. Cm |
| (1.3) | SUCTION PRESSURE   | : CHARGED SUCTION.  |

- (1.4) LIQUID HANDLED : FRESH WATER/PRODUCED  
FORMATION WATER.
- (1.5) Sp. GRAVITY : 1.0 (assumed)
- (1.6) Ph VALUE : 7.3 TO 8.8
- (1.7) PUMPING TEMPERATURE : AMBIENT
- (1.8) NPSH (A) : FLOODED

(2.0) TECHNICAL DATA & INFORMATION OF BARE PUMP:

- (2.1) PUMP MODEL : 336-P(63-10R)
- (2.2) PUMP TYPE : SINGLE-ACTING TRIPLEX PLUNGER PUMP
- (2.3) PLUNGER SIZE : 2.375 INCHES.
- (2.4) NPSH( R ) : 10.0 MLC
- (2.5) STROKE LENGTH : 6 INCHES.
- (2.6) PUMP SPEED : 299 RPM.
- (2.7) VOLUMETRIC EFFICIENCY : 94%
- (2.8) MECHANICAL EFFICIENCY : PUMP-86%, OVERALL 84%  
(AT GAS ENGINE OUTPUT SHAFT)
- (2.9) DISCHARGE CAPACITY : 22.0 Cu. M / HR.
- (2.10) DISCHARGE PRESSURE : 142.0 Kg / Sq. Cm
- (2.11) PUMP B.K.W. AT RATED COND : 101.38 K.W  
(REFERRED AT GAS ENGINE SHAFT)
- (2.12) B.K.W. AT R/V SET PR. : 114.23 K.W  
(REFERRED AT GAS ENGINE SHAFT)
- (2.13) SUCTION CONNECTION : 4 Inch WNRF
- (2.14) DISCHARGE CONNECTION : 2.5 Inch WNRJ, 1500 Class,  
ANSI B 16.5, AT BPC  
BATTERY LIMIT
- (2.15) DRIVER TYPE : GAS ENGINE
- (2.16) DRIVER NAME PLATE RATING : 142.0 HP MINIMUM NET POWER
- (2.17) DRIVER SPEED : 1500 RPM FULL LOAD RATED SPEED

NOTE : THE SCOPE OF SUPPLY IS BARE PUMP ONLY AND THE SAME SHOULD BE SUITABLE FOR ONE TO ONE REPLACEMENT WITH DIMENSIONAL ACCURACY WITH EXISTING PUMP [ DRIVEN BY CUMMINS MAKE, G 855 P(BC) MODEL GAS ENGINE INCLUDING OTHER ACCESSORIES VIZ., CLUTCH PTO, EXTENSION SHAFT, COUPLINGS ETC.]

**7. DESIGN FEATURES:**

Pump shall be manufactured in accordance with API-674 / Hydraulic Institute Standard. Following shall be the inbuilt design features of the pump for quick maintenance.

- Large power end access covers and doors.
- Separate cross head and plunger shank construction.
- Open frame cradles
- Interchangeable valve assemblies
- Removable stuffing boxes
- Cover at non driving end.
- Bolted valve covers, cylinder head and stuffing boxes.

-Horizontal design eliminates number of maintenance problems caused by vibration.

## **8. MATERIAL OF CONSTRUCTION:**

(A) FOR PUMP COMPONENTS

FLUID END SIDE-

FLUID END #IS: 2004, CI.2A  
STUFFING BOX #IS: 2004, CI.2A  
VALVE SEAT-ASTM A 743 CF 8M  
VALVE SPRING # Stainless steel / inconel  
VALVE DISK- Stainless steel  
PLUNGER # C-20, IS:2073 with colmonoy-6 coating  
PLUNGER PACKING- polymer impregnated with fiber style 838

POWER END SIDE

POWER FRAME-C.I., IS 210  
CRANKSHAFT- AISI 4140  
PINION SHAFT WITH INTEGRAL PINION-AISI 4140  
BEARING.CRANK SHAFT-STEEL  
CONNECTING ROD- ASTM A 536  
CROSS HEAD -C.I., IS : 210  
EXTENSION ROD- AISI 4140 with hard chrome plating

(B) FOR ACCESSORIES

SUCTION STABILIZER: Carbon steel body  
DISCHARGE DAMPNER: Carbon steel body  
BLEED VALVE & DELIVERY VALVE & CHECK VALVE: BODY-CS, INTERNAL-  
STAINLESS STEEL PIPING & FLANGES: Carbon steel

## **9. OTHER ACCESSORIES: ( OPTIONAL ITEMS )**

Bidders have to provide the price along with Make & Model of the following 15 ( Fifteen ) Accessories that we envisage may be required along with supply of Bare Pump. The prices of these spares shall be considered during commercial evaluation of the offer. However, procurement of these accessories will be as the discretion of the company and the bidder shall not have any objection for the same.

### **1. SUCTION STABILIZER:**

BPC make Bladderless volume bottle type suction stabilizer of 40 Lit. Capacity having 4 Inch WNRF 150 Class flange connection, suitable for the specified operating condition. The offered volume

bottle type suction stabilizer shall be designed and manufactured in accordance with ASME Sec VIII Div I and shall be code stamped.

2. DISCHARGE DAMPENER:

A gas charged bladder type discharge pulsation dampener shall be fitted on discharge line as close to the pump as possible, suitable for a working pressure of 142.0 Kg/cm<sup>2</sup> with 2.5 Inch WNRJ 1500 Class flanged connection. The dampener shall be designed in accordance with ASME Sec VIII Div I and shall be #U# code stamped.

3. RELIEF VALVE:

A spring loaded full flow type pressure relief valve shall be mounted on discharge line of the pump suitable for a working pressure of 142.0 Kg/cm<sup>2</sup> and a set pressure of 160.0 Kg/cm<sup>2</sup> , the make of relief valve shall be OTECO / BAIRD / CAMERON only.

4. LUBRICATOR:

A forced feed mechanical lubricator with three feeds shall be mounted on the pump (drive thru V-Belt pulley drive directly by pump crank shaft) to lubricate stuffing box packing. The make of Lubricator shall be MEGA or MANZEL / PREMIER.

5. PIPING:

Essential pipe and pipe fitting for mounting all Accessories such as suction stabilizer, discharge dampener, relief valve, pressure gauges etc. Piping, piping fittings, and Flange Material shall be carbon steel, piping design shall conform to ASME B31.3.

6. PRESSURE GAUGE:

1(One) No. Liquid filled discharge Pressure Gauge (Range 0 to 200 Kg / Sq.cm) having built in dampening mechanism to minimize fluctuations for accurate response to pressure changes. Make : OTECO / CAMERON (RETSCO) / MARTIN DECKER.

7. COMPANION FLANGES: For suction size and discharge size and for inlet and outlet of flow meter with gaskets and fasteners.

8. BLEED VALVE: 1 No. gate valve NB 2 Inch with 2 Inch WNRJ 1500 Class flanged connection shall be mounted at discharge line of the pump for bypass purpose to start the pump at no load and to depressurize the system. The valve shall be suitable for working pressure of 142. kg/sq cm

9. DELIVERY VALVE: 1 No. ball valve nominal bore 2.5 Inch with 2.5 Inch WNRJ 1500 Class flanged connection shall be mounted at discharge line of the pump to isolate the pump from system

pressure. The valve shall be suitable for working pressure of 142. kg/sq cm

10. SUCTION LINE VALVE. 1 No. gate valve NB 4 Inch with 4 Inch WNRF 150 Class flanged connection shall be mounted at suction line of the pump.

11. CHECK VALVE: 1 No. check valve nominal bore 2.5 Inch with 2.5 Inch# WNRJ flanged connection shall be mounted at discharge line of the pump and shall be suitable for working pressure of 142. kg/sq cm

12. LOW SUCTION PRESSURE SWITCH: Suitable low suction pressure trip switch shall be mounted at suction line of the pump to trip the gas engine in case of low suction pressure condition (below 1.5 kg/sq cm)

13. HIGH DISCHARGE PRESSURE TRIP SWITCH: Suitable high discharge pressure trip switch shall be mounted at discharge line of the pump to trip the gas engine in case of high discharge pressure condition (above 170 kg/sq cm).

14. VIBRATION SWITCH : Suitable Vibration Switch shall be mounted on the pump side to trip the gas engine in case of high vibration in the pump.

15. FLOW METER: Suitable turbine type flow meter for mounting at pump discharge, line shall be supplied loose. The range of the flow meter shall be 18 to 26 Cu. M / hr. turbine flow meter shall be supplied for safe operation in the working range of the pump.

## **10. Technical specification for Instruments**

### **1. PUMP SUCTION PRESSURE TRANSMITTER**

MAKE : DRUCK or Equivalent  
MODEL : PTX1240  
RANGE : 0 TO 200 PSI  
OUTPUT : 4 TO 20mA

### **2. PUMP DISCHARGE PRESSURE TRANSMITTER**

MAKE : DRUCK or Equivalent  
MODEL : PTX1240  
RANGE : 0 TO 3000 PSI  
OUTPUT : 4 TO 20mA

### 3. PUMP VIBRATION SWITCH

MAKE : MURPHY or Equivalent  
MODEL : VS2EX  
To detect vibration / Shock in 3 places of motion  
Fully adjustable  
Manual / Electrical reset

### 4. TURBINE FLOWMETER

MAKE : NU FLO or Equivalent  
MODEL : MC II PLUS EXP  
POWER SUPPLY: MAX 30 VDC  
OUTPUT : 4 TO 20 mA  
LCD DISPLAY: FLOW RATE & TOTAL FLOW

#### NOTE :

1. All the Instruments shall be certified for use in Zone1, Zone2, Gas group IIA & IIB (Division 1, Division 2, Gas group Class I, Group C&D) environment.
2. All the Electronic instruments placed on the Pump side should be approved by DGMS (Director General of Mines Safety), Dhanbad.
3. The possibility of bringing the Pump suction and Pump Discharge Pressure Transmitters to the Engine side (behind the fire wall) by using remote diaphragm seal shall be looked into by the supplier.

### 11. SPARE PARTS AND SPECIAL TOOLS :

a. Bidders have to provide the price, along with the part numbers, of the following spares that we envisage shall be required for maintenance of the pump set for two years. The prices of these spares shall be considered during commercial evaluation of the offer.

#### TRIPLEX PLUNGER PUMP

i. SUCTION VALVE ASSEMBLY	: 3 NOS PER PUMP
ii. DELIVERY VALVE ASSEMBLY	: 3 NOS PER PUMP
iii. VALVE COVER GASKET	: 12 NOS PER PUMP
iv. VALVE SEAT ( SUCTION )	: 3 NOS PER PUMP
v. VALVE SEAT ( DELIVERY)	: 3 NOS PER PUMP
vi. ROD WIPER	: 6 SETS PER PUMP
vii. PLUNGER	: 3 NOS PER PUMP
viii. PLUNGER PACKING	: 6 SETS PER PUMP
(EACH SET ADEQUATE TO CATER FOR 3 PLUNGERS)	
ix. CRANK PIN BEARING	: 3 SETS PER PUMP

b. Bidders shall have to provide the unit price , along with the part numbers , of the following insurance spares . The cost of these spares shall however not be considered during commercial evaluation of the offer.

#### TRIPLEX PLUNGER PUMP

- i. FLUID END
- ii. STUFFING BOX ASSEMBLY
- iii. GLAND NUT
- iv. EXTENSION ROD
- v. CRANKSHAFT
- vi. CROSS HEAD
- vii. CONNECTING ROD ASSEMBLY
- viii. PINION SHAFT WITH INTEGRAL PINION

c. The following special tools should be included [ one set against each pump set] in the scope of supply , as commissioning spares . The prices of these spares shall be considered during commercial evaluation of the offer.

- i. A set of each type and size of coupling installed in the pump set
- ii. A valve seat puller and special wrenches for tightening stuffing box glands, studs etc.
- iii. A charging kit for charging the suction stabilizer and discharge dampener.

#### **12. GENERAL NOTES :**

- 1. The price indicated includes cost of all accessories and special Tools.
- 2. The pump should be designed for continuous duty / service
- 3. The pump shall be suitable for pumping fresh water or produced formation water characteristics of which were provided in this subject tender
- 4. The pump supplied should be same as earlier ones both dimension wise and design wise for one to one replacement with existing pump.

#### **13. NAME PLATE AND ROTATION ARROWS**

A name plate shall be securely attached at a readily visible location where in the manufacturer's name, machine serial no, maximum and minimum design limits and rating data, maximum allowable working pressures and temperatures, hydrostatic test pressures etc. should be clearly indicated. Rotation arrows indicating direction of rotation of major items should be cast in or attached.



#### **14. CERTIFICATES & DOCUMENTS TO BE FORWARDED :**

I. The following documents should be forwarded along with the quotations:

- i. Product line catalogue, specifying materials of construction and constructional features of the triplex plunger pump and technical literatures of all ancillary equipment.
- ii. Performance chart of the plunger pump including all technical calculations such as hydraulic horse power, volumetric efficiency, mechanical efficiency, RPM, gear ratio, maximum plunger load, NPSH requirement, etc.

II. The following documents shall have to be forwarded within a month of issue of LOI or placement of firm order

- i. A foundation diagram for the complete pump set indicating the static and dynamic loads of the package.

III. The following documents must be forwarded along with the supply of equipment

- i. certified test results
- ii. certificate of hydrostatic testing
- iii. manufacturers certificate of authenticity
- iv. certificate of test / conformance of pump and associated ancillaries like relief valves, pressure gauges, dampeners, etc.
- v. operation and maintenance manuals , parts lists of pump and all other accessory equipment.

#### **15. INSPECTION & TESTING :**

i. The complete pump shall be inspected by OIL engineer(s) at your works after its readiness and prior to dispatch of the same. However, such inspection shall not relieve you of your responsibility to ensure that the equipment supplied conforms to the correct specifications and is free from manufacturing and all other defects. Inspection call for carrying out the inspection of the pump must be given to OIL at least one month in advance for making all necessary arrangement for deputing the engineer(s).

ii. A complete pump package performance test at the duty conditions must be performed for a minimum duration of three hours at your testing facility in presence of OIL engineer(s). The pump package performance test shall be carried out at duty conditions at the supplier's premise.

The pump fluid end should be hydraulically tested to 1.5 times the designed working pressure for 30 minutes and necessary

certificates in this regard should be provided along with the materials. The detailed Q.A plan for the inspection and testing of the pumps should be submitted to OIL prior to inspection & testing for approval of OIL.

Inspection test shall be on free of charge basis. However, all to and fro fares, boarding/lodging and other expenses of OIL engineers for the inspection/testing shall be done by OIL.

**16. WARRANTEE:**

The warranty period for the pump and all ancillary equipments should be a minimum of 18 months from the date of dispatch/shipment or 12 months from the date of receipt at site whichever is earlier. All defects observed in the pump during the warranty must be repaired / replaced by you free of charge basis.

**17. AFTER SALES SERVICE :**

The nature of after sales service , which can be offered by the bidder during initial commissioning and also subsequently should be clearly stated.

Bidders should also confirm that spares , both regular consumable ones as well as vital / insurance spares, for pump and all accessories quoted, shall be available for at least 10 years after the delivery of the material.

**PUMP DATA SHEET**

MAKE	
MODEL	
TYPE OF PUMP	
SIZE ( PLUNGER DIAMETER X STROKE LENGTH )	
LIMITING SPEED AS PER HYDRAULIC INSTITUTE STANDARD	
HHP AT RATED CONDITION	
B.K.W. AT RATED CONDITION	
B.K.W. AT RELIEF VALVE SET PRESSURE	
PUMP OPERATING SPEED	
DESIGN/RATED ROD LOAD	
VOLUMETRIC EFFICIENCY	
MECHANICAL EFFICIENCY	
DISCHARGE CAPACITY	
DISCHARGE PRESSURE	
RELIEF VALVE SET PRESSURE	
PUMP NPSH (R)	

**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 :

**(A) TECHNICAL :**

1. The offered pump should be a horizontal , single acting , triplex plunger pump as per API 674 standards, suitable for continuous duty service and exactly identical to BPCL / NATIONAL OIL WELL Make, 336-P ( 63-10R) Model and meeting the delivery parameters of 22 M<sup>3</sup> / Hr (Volume ) and 142 Kg/Cm<sup>2</sup> (Pressure ) respectively .
2. Bidder must undertake that the scope of supply is Bare Pump only and the same will be suitable for One-to-One replacement with dimensional accuracy with existing pump [ driven by Cummins Make, G 855 P (BC) Model Gas Engine including other accessories viz., Clutch PTO, Extension Shaft, Couplings etc] without any modification in the existing system.

**(B) COMMERCIAL :**

- 1.0 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.
- 2.0 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 eighteen months from the date of shipment/dispatch or twelve months from the date of receipt whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts notified by OIL shall be replaced immediately by the supplier at the supplier's expenses.

- 3.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of receipt of the equipment or 18 months from the date of shipment whichever is earlier.
- 4.0 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.
- 5.0 Bidders shall quote directly and not through Agents in India. Offers made by Indian Agents on behalf of their foreign principals will be rejected. Similarly offers from unsolicited bidders will be rejected.
- 6.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 7.0 Validity of the bid shall be minimum 180 days from the bid closing date. Bids with lesser validity will be rejected.
- 8.0 Bids containing incorrect statement will be rejected.
- 9.0 **Bidders are required to submit the summary of the prices in their commercial bids as per bid format ( Summary ), given below :**

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

- (A) Total Material value of the Pumps  
(B) Cost of 2 Years Maintenance Spares  
(C) Grand Total Material Value, ( A + B )  
(D) Packing & FOB Charges  
(E) Total FOB Port of Shipment value, ( C + D ) above  
(F) Ocean Freight upto Kolkata(India) port  
(G) Insurance Charges  
(H) Total CIF Kolkata value, ( E + F + G )  
(I) Pre-Despatch/Shipment Inspection & Testing charges, if any  
(J) Total Value, ( H + I ) above  
(K) Total value in words :  
(L) Gross Weight :  
(M) Gross Volume :

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

- (A) Total Material value of the Pump  
(B) Cost of 2 Years Maintenance Spares  
(C) Grand Total Material Value, ( A + B )  
(D) Packing and Forwarding Charges  
(E) Total Ex-works value, ( C + D ) above

- (F) Excise Duty including Education Cess (Please indicate applicable rate of Duty & Cess )
- (G) Sales Tax, (Please indicate applicable rate of Tax)
- (H) Total FOR Despatching station price, ( E + F + G ) above
- (I) Road Transportation charges
- (J) Insurance Charges
- (K) Assam entry tax
- (L) Total FOR Duliajan value, ( H + I + J + K ) above
- (M) Pre-Despatch/Shipment Inspection & Testing charges, if any
- (N) Total Value, ( L + M ) above
- (O) Total value in words :
- (P) Gross Weight :
- (Q) Gross Volume :

**NOTE :** 1.0 The cost of the individual item of the spares under Para 11(a) of Annexure – A should be shown separately.

2.0 The cost of the Pumps should include the cost of the Special Tools under Clause 11(c) of Annexure – A.

3.0 The Pumps 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 should quote Deemed Export prices. Excise Duty under Deemed Export exempted.

4.0 Pre-Despatch / Shipment Inspection & Testing charges, if any, shall be quoted on lumpsum basis separately which shall be considered for commercial evaluation of the offers. However, all to and fro fares, boarding/lodging and other expenses of OIL's Inspection Engineer(s) shall be borne by OIL.

**(II) BID EVALUATION CRITERIA (BEC) :**

**The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below :**

- 1.0 The evaluation of bids will be done as per the Price Schedule (SUMMARY) detailed vide Para 9.0 of BRC (Commercial).
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 Offers not complying with the payment terms indicated in the enquiry shall be loaded with one percent above the prevailing Bank rate (CC rate) of State Bank of India for evaluation purpose.
- 5.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

5.1 **When only foreign bids are involved :**

**Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:**

- (A) Total Material value of the Pump
- (B) Cost of 2 Years Maintenance Spares
- (C) Grand Total Material Value, ( A + B )
- (D) FOB Charges
- (E) Total FOB Value, ( C + D ) above
- (F) Ocean Freight upto Kolkata(India) port (as quoted)
- (G) Insurance Charges @ 1% of Total FOB Value vide ( F ) above
- (H) Banking Charges @ 0.5% of Total FOB Value vide ( F ) above in case of payment through Letter of Credit ( If confirmed L/C required, 1.5% of Total FOB Value will be loaded )
- (I) Total CIF Kolkata Value, ( E + F + G + H ) above
- (J) Pre-Despatch/Shipment Inspection & Testing charges, if any
- (K) Total Value, ( I + J ) above

Note : Banking charge in the country of the foreign bidder shall be borne by the bidder.

5.2 **When only domestic bids are involved :**

**Comparison of bids will be done on the basis of "Total Value" which is estimated as under :**

- (A) Total Material value of the Pump
- (B) Cost of 2 Years Maintenance Spares
- (C) Grand Total Material Value, ( A + B )
- (D) Packing and Forwarding Charges
- (E) Total Ex-works value, ( C + D ) above
- (F) Sales Tax as applicable on ( E ) above
- (G) Total FOR Despatching station Value, ( E + F ) above
- (H) Transportation charges (as quoted )

- (I) Insurance charges @0.5% of Total FOR Despt. Station Value ( G ) above
- (J) Assam entry tax
- (K) Total FOR Duliajan value, ( G + H + I + J ) above
- (L) Pre-Despatch/Shipment Inspection & Testing charges, if any
- (M) Total Value, (K + L ) above

**Note :** Excise Duty in case of indigenous bidder is EXEMPTED under Deemed Export.

**5.3 When both Foreign and Domestic bids are involved :**

The Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc, and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination and Insurance charges worked out as per Para 5.2 above and Total Value of the foreign bidder worked out as per Para 5.1 above excluding inland transportation to destination will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actual, whichever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Total Value basis.

- 6.0 Other terms and conditions of the Tender shall be as per General Terms and Conditions for Global Tender vide MM/GLOBAL/01/2005. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradict the Clauses of the tender and/or MM/GLOBAL/01/2005 elsewhere, those in the BEC / BRC shall prevail.

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**ANNEXURE C**  
**TO TENDER NO. SDG3717L10/07**

**TECHNICAL CHECK LIST**

1	Whether quoted as OEM of Pump and whether documentary evidences submitted ?	YES/NO
2	Whether the offered Pump is a horizontal , single acting , triplex plunger pump as per API 674 standards and exactly identical to BPCL / NATIONAL OIL WELL Make, 336-P ( 63-10R) Model and meeting the delivery parameters of 22 M <sup>3</sup> / Hr (Volume ) and 142 Kg/Cm <sup>2</sup> ( Pressure ) respectively ?	YES/NO
3	Whether the Pump is designed for continuous service duty ?	YES/NO
4	Whether Instrumentation for Pump & Technical Specification for Instruments is as per NIT requirement ?	YES/NO
5	Whether Electronic Instruments placed on the pump side is approved by DGMS ?	YES/NO
6	Whether the two years spares for the packages indicated have been quoted ?	YES/NO
7	Whether special tools and commissioning spares have been included in the scope of supply ?	YES/NO
8	Whether spares shall be available for 10 years after supply of equipment?	YES/NO
9	Whether separately highlighted any deviation from the technical specifications ?	YES/NO
10	Whether the Pre-despatch inspection of the Pump packages shall include Full Load Performance test of the Pump Sets ?	YES/NO

**COMMERCIAL CHECK LIST**

**THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT 'YES' OR 'NO' TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.**

1	Whether offered firm prices ?	
2	Whether quoted offer validity of six months from the date of closing of tenders ?	
3	Whether quoted a firm delivery period?	
4	Whether quoted as per NIT (without any deviations) ?	
5	Whether quoted any deviation ?	
6	Whether deviation separately highlighted ?	
7	Whether agreed to the NIT Warranty clause ?	
8	Whether Price Bid submitted as per Price Schedule (refer Para 9.0 of BRC vide Annexure – B)	
9	Whether Spare Parts as per Clause 11 of Annexure – A quoted ?	
10	Whether the Recommended Spares for 2 years of operations quoted?	
11	Whether quoted all the items of tender ?	
12	Whether indicated the country of origin for the items quoted?	
13	Whether technical literature / catalogue enclosed?	
14	Whether confirmed that all spares & consumables will be supplied for a minimum period of 10 years?	
15	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	

16	For Foreign Bidders – Whether port of shipment indicated. To specify:	
17	For Indian bidders – Whether indicated the place from where the goods will be dispatched. To specify :	
18	For Indian bidders – Whether road transportation charges up to Duliajan quoted ?	
19	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges ?	
20	Whether Indian Agent applicable ?	
21	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?	
22	Whether weight & volume of items offered indicated ?	
23	Whether Pre-despatch/shipment inspection & testing of the Pumps quoted?	
24	Whether charges towards Pre-despatch/shipment inspection & testing of the Pump applicable?	
25	If Pre-despatch/shipment inspection & testing charges applicable, whether quoted separately?	
26	Whether confirmed to submit PBG as asked for in NIT ?	
27	Whether agreed to submit PBG within 30 days of placement of order ?	
28	For Indian Bidders only - Whether indicated import content in the offer ?	
29	For Indian Bidders only - Whether deemed export quoted?	
30	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted ?	
31	Whether all BRC/BEC clauses accepted ?	

OFFER REF	
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NAME OF  
THE  
BIDDER

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**Tender No.** : SDG3717L10/07  
**Tender Date** : 10.06.2009  
**Bid Closing On** : 22.07.2009 at 11:00 hrs.(IST)  
**Bid Opening On** : 22.07.2009 at 14:00 hrs.(IST)

**Tender issued to following parties only:**

Slno	V_Code	Vendor Name	City/Country
1	102273	NATIONAL OILWELL VARCO	HOUSTON
2	200072	BHARAT PUMPS AND COMPRESSORS LTD.	ALLAHABAD