



बामर लॉरी एण्ड कं. लिमिटेड
(भारत सरकार का एक प्रतिष्ठान)
Balmer Lawrie & Co. Ltd.
(A Government of India Enterprise)
www.balmerlawrie.com

(Greases & Lubricants, ARL)
(A government of India Enterprise)

P-43, Hide Road Extension, Kolkata-700 088.

Phone- (033) 2450 5252, Fax- (033) 2439 2277, E-mail - banik.s@balmerlawrie.com

TENDER ENQUIRY

Tender No. :ARL/CE/24/16-17

Date :12/01/2017

Due date :25/01/2017

Time :18:00 hrs IST

Sub: Supply of Four Ball EP tester with accessories (1 no.)& buyback of old equipment

Online Offers are invited from Original Equipment Manufacturers (OEM) as well as their representative distributor/dealer/representative for **Supply of one (1) no. Four Ball EP tester with accessories and buyback of the old equipment** as per the **specification, General terms & conditions,** and **Price Schedule** attached in Annexure-A, B, C & D respectively.

You are requested to submit your competitive offer complete in all respect furnishing above details to us on or before the due date and time.

Thanking you,

Yours faithfully,
For BalmerLawrie& Co. Ltd.

(Subhangkar Banik)
Manager (Analytics)

Encl.: As above



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BIDDERS ARE ADVISED TO STRICTLY CONFIRM COMPLIANCE TO ALL TENDER CONDITIONS WITHOUT ANY DEVIATION / CONDITIONS IN THEIR OFFER. SUBSEQUENT TO BID SUBMISSION, BalmerLawrie MAY NOT SEEK CONFIRMATIONS / CLARIFICATIONS AND ANY /ALL BID(S) NOT IN LINE WITH TENDER CONDITIONS WILL BE LIABLE FOR REJECTION.

Details technical specifications for Four Ball EP tester with accessories are given below

Technical Specifications:Annexure-A

Technical Specification for Four Ball EP Test Apparatus

The details of the technical specifications are given below:

- 1. Standard Test Specification Details:** The instrument must meet to standard specifications -ASTM D 2783, D 2596, D 2266, D 4172, D 5183, IP 239, IP 300 and related specifications.
- 2. Model Details and Requirements:** A suitable PC based model should contain electronically controlled test speed and temperature. The instrument should perform Wear Preventive (WP) and Extreme Pressure (EP) tests. The design of the instrument should be very compact with digital display of applied load, torque, time, speed, temperature and no. of revolutions accumulated during the test. All necessary components of the instrument should be provided.
- 3. Software:** The Instrument should contain user friendly software for applications and compatible with all units. Software should be able to set & control the operating conditions of the instrument and explore the analytical data i.e. coefficient of friction, graphical relation between frictional torque and normal load and other necessary data. Software must be able to evaluate the necessary test parameter of standard specifications being followed. Software must be compatible with latest window operating system and should be upgradable to advance version upto next five years (Instrument suppliers should provide the upgrades free of cost).
- 4. CCD Camera:** CCD camera with video card and wear scar analysis software should be provided for wear scar imaging and measurement. The resolution of CCD camera should be with 0.1 mm wear scar legible capacity.
- 5. Test Speed:** Operational test speed of the instrument should be from 100 to 3000 rpm and Test Speeds: 1200, 1440, 1760 rpm should be adjustable.The instrument should automatically shut off on seizure.
- 6. Load Capacity:** Maximum axial load capacity of the instrument should be: 10000 N at 2000 rpm or 12000 N at 1800 rpm.



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- 7. Test Duration:** Time measurement capacity of the instrument should be from 1 second to 999 minutes or more.
- 8. Test Ball Diameter:** The test balls should be made from chrome alloy steel of AISI standard steel no. E-52100. The diameter of test balls should be of 0.5 in. (12.7 mm) with grade 25 EP (extra polish). The Rockwell C hardness of balls should be 64 to 66.
- 9. Operating Temperature Range:** The operational temperature range of the instrument should be from ambient to 100 °C.
- 10. Standard Lubricating Oil Sample:** Standard lubricating oil with known values of parameters as per methods must be provided as a reference for calibrating the instrument as well as for demonstration purpose at the time of installation and commissioning .
- 11. Safety aspect of the Instrument:** The instrument must be safe to operate. Any error/ diagnostics display when any failure of unit occurs must be built in the system software.
- 12. Supply of PC:** Necessary PC required for the instrument must be provided along with the instrument and as integral part of instrument it must be considered as part of guarantee/warranty/AMC along with the instrument.
- 13. Spares & Consumables:** The necessary spares & consumables required for two years of smooth operation of the instrument must be provided. For the purchase of extra spares vendors should also quote the spare price separately.
- 14. Technical Literature Support:** The technical details of the instrument (with all above units) offered along with the application notes on Four ball EP test apparatus. The necessary manuals including instruction & operating manual must be provided.
- 15. Dimensions, Weight and Power requirements** of the instrument with all the units must be specified.
- 16. Warranty/ Guarantee:** Parties should provide the warranty / guarantee for smooth running of the instrument for one year and one year additional free service warranty after completion of one year standard warranty/guarantee period.

Buyback Equipment Details:

Four ball Tester (EP and antiwear test as per IP 239 & ASTM D 2596 & D 2783)

Make : DUCOM INSTRUMENTS, BANGALORE. INDIA

Model : TR -30L PNU

Year of mfr: 2004

Condition: Working condition. All operations by manual method.

Accessories: Available

Excluded: Data acquisition & Pneumatic loading system. QTY-1 no.



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Annexure B

General Terms & Conditions

1. Before filling up, the complete Tender Specification should be read properly. If the tenderer find any discrepancy, omission, ambiguity or conflict in or among the documents forwarded or be in doubt as to their meaning, specification and interpretations, such matter shall be brought to the attention of the company (BalmerLawrie & Co. Ltd.), at least four days in advance, prior to the date of filling/submission of the Tender. For clarification required, if any, please contact

Shri Shri N. Parameswaran Ch. Manager (R& D)
Tel. No. 033 2450 5501
Fax No. 033 2439 5754
E-Mail : parameswaran.n@balmerlawrie.com

Applications Research Laboratory
M/s BalmerLawrie & Co. Ltd.
P-43, Hide Road Extension,
Kolkata : 700 088

2. Bid Evaluation Criteria:

(a) Bidder should be an Original Equipment Manufacturer/authorized distributor. In case bidder is an authorized distributor valid distributorship certificate issued by the manufacturer should be submitted along with their offer. Copy of the agency/distributor agreement with the foreign principal & the precise relationship between them and their mutual interest in the business should be provided. The nature of after sales service to be rendered by the Indian Agent is also to be mentioned.

(b) The vendor must have after sales service facility in India or its representative at Kolkata.

(c) Bidder should adhere to the technical specification in Annexure A

3. Submission of tender will be the conclusive evidence as to the fact that the tenderer has fully satisfied themselves as to the technical specification, General terms & conditions and all other factors, affecting the performance of the contract and the cost thereof.



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4. The vendor is not allowed to give any "subcontract" without proper justification and approval of BalmerLawrie & Co. Ltd. (BL). Please note that bid of any bidder may be rejected if a conflict of interest between the bidder and the Company is detected at any stage.

5. **Right of acceptance / Rejection:** BL reserves the right to accept/reject any or all offers without assigning any reasons, whatsoever. Telex/Telegraphic/Fax offers shall not be accepted. The company will not accept any responsibility for any delay in uploading of bids in e-procurement website.

6. **Delivery ,Installation, Commissioning Time Schedule:** -The delivery should be made within 30 days from the date of issue of Purchase Order (PO) or LOI whichever is earlier at BL, Applications Research Laboratory at P-43, Hide Road Extension, Kolkata-700 088. The exact date and time for demo, installation and commissioning will be notified to the supplier. **Demonstration, Installation and Commissioning will be free of cost. The demonstration must satisfy all the criteria given in technical specification. No payment will be made without successful demonstration, installation and commissioning certificate.**

7. **Quality & Quantity of the material:**
Quality of the equipment supplied should be as per standard given in Annexure A. BL reserves the right to change the no. of equipment at any point of time. The items should be free of material defect and should be in good condition during delivery. BL will not accept any malfunctioning equipment during delivery.

8. **Submission of Tender/Bid:**
Domestic Bidders:
Bidders are requested to kindly visit our e-procurement website: <https://balmerlawrie.eproc.in> for the same. Bid shall also be uploaded in pdf format after filling in the appropriate data in hard copy duly signed & scanned.
Foreign Bidders:
Bidder shall submit their sealed offer in a **single bid/envelope**, superscripting the envelope with tender no., date & due date along with following enclosures-
[i] Covering letter
[ii] Annexure-A (Bidder's confirmation) & Annexure B (General terms and conditions)
[iii] Annexure-C (Price schedule)
Bid should be sent after filling in the appropriate data in hard copy duly signed & stamped. Tenders should be sent in a sealed envelope on or before the due date superscripting the envelope with tender no. date & due date should reach at our works at Balmer Lawrie & Co. Ltd., P-43, Hide Road Extension, Kolkata-700088 within the due date and time to the attention of Shri Subhangkar Banik.

9. **EMD/SD: - N A**



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10. Placement of Order: Purchase order will be based on L1 rate at the discretion of BL.

11. Jurisdiction: - All disputes are subject to Kolkata jurisdiction.

12. Payment terms:

For Domestic Bidders:

(i) 90% on 30 days credit after supply, successful demo & commissioning & delivery of complete technical literature and submission of bill along with all taxes and duties as applicable.

For foreign suppliers-90% payment against documents through bank with 30 days credit after supply, successful demo & commissioning & delivery of complete technical literature through bank IRREVOCABLE letter of Credit (LC). LC shall be established for a specific period depending on delivery schedule only after receipt of unconditional acceptance of Purchase Order and performance security from the supplier. LC extension charges shall be borne by the supplier in case of extension of delivery period requested by the supplier and request agreed by BL.

(ii) Balance 10 % of PO Value shall be kept as retention money & will be released after completion of guarantee period without any interest or against submission of performance bank guarantee.

(iii) PBG shall be furnished in specified format and shall be valid for the warranty period from the date of successful commissioning from a scheduled bank of India/International bank(for overseas bidders) of repute

13. Liquidated damages: -

a) Vendor shall be liable to pay liquidated damages for the following:

Failure to deliver the material as per PO and delivery schedule. In such case, vendor shall be liable to pay liquidated damages @ 0.5% of PO value per week or part thereof subject to a maximum of 5.0%.

b) If any damage is caused to the property and/or machinery (including its any part) of BalmerLawrie& Co Ltd., directly and/or indirectly incidental to and connected with the execution of the work, the loss shall be assessed by BL and vendor shall be liable to indemnify the value of such damaged property and/or machinery.

14. Delivery Location, working days & hours: - The delivery is required to be done to the following:

**N. Parameswaran
Chief Manager (R&D)
BalmerLawrie& Co. Ltd.
Applications Research Laboratory
P-43 Hide Road Extension, Kolkata-700088**



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The delivery shall be done only from Monday to Friday between 10:00 am. to 5:00 pm (timing may be relaxed if required).

- 15. Factory Rules:** - Supplier personnel have to abide by the BalmerLawrie& Company, Greases and Lubricants, Kolkata factory rules and regulations.
- 16. Offers & Enclosures:** The offers submitted by the all the tenderers will be non-returnable and shall be the property of BL even in the case of unsuccessful bidders. However BL shall maintain the confidentiality for the submitted documents.
- 17. Validity period of the offer:**

The period of **validity of the quotations** should **not be less than 90 days** from the due date of the tender.

- 18. User manuals and instruction booklets** shall be supplied with the equipment (2 hard copies and 1 soft copy). User id and password of settings, if any, will have to be provided during installation.
- 19. Guarantee Period:** - Vendor shall guarantee against any and all defects in design, workmanship, materials and performance for a period of **twelve (12) months from the date of supply of the devices**. If any defects develop during the guarantee period, it shall be remedied promptly free of charge by the supplier and all expenses for transportation of goods necessitated for such repairs or replacement shall be borne by the supplier. Another **twelve (12) months service warranty** is to be provided after completion of one year standard warranty.
- 20. LIMITATION OF LIABILITY:** Notwithstanding anything contrary contained herein, the aggregate total liability of Seller under the agreement or otherwise shall be limited to 100% of order Price. However, neither party shall be liable to the other for any indirect and consequential damages, loss of profits or loss of production.
- 21. Force Majeure:** Shall mean and be limited to the following –
(a) War / Hostilities (b)Riot or Civil Commotion (c) Earthquake, flood, tempest, lighting or other natural disasters (d) Restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the Contract by the Seller . The Seller shall advise Purchaser/Consultant by a registered letter duly certified by the local Chamber of Commerce or statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure conditions, In the event of delay lasting over one month, if arising out of causes of Force Majeure, Purchaser reserves the right to cancel the Contract and the provisions governing termination stated under Article 28 above shall apply .For delays arising out of Force Majeure, the Seller shall not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither Purchaser nor Seller shall be liable to pay extra costs provided it is mutually established that Force Majeure conditions did actually exist. Seller shall categorically specify the extent of Force Majeure conditions prevalent in their works at the time of



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submitting their bid and whether the same have been taken into consideration or not in their quotations. In the event of any Force Majeure conditions, the Seller or the Purchaser shall not be liable for delays in performing their obligations under this order and the delivery dates will be extended to the Seller without being subject to price reduction for delayed deliveries, asstated elsewhere.

22. RESOLUTION OF DISPUTES / ARBITRATION

All disputes or difference whatsoever that shall at any time arise between the parties relating to execution of this Contract/Purchase order shall be referred to the Sole Arbitrator appointed by the Chairman and Managing Director of BL, Kolkata whose award shall be final & binding on both the parties. The contract shall deem to have been entered at BL, and all suits in respect of this contract shall be under the jurisdiction of the court in Kolkata.

23. Tender for registered approved vendors only: The Responses/offer from registered/approved vendors alone will be accepted and that other interested vendors have to register with the unit (Greases & Lubricants, Kolkata) and subject to such registration being confirmed, they would be considered for the subsequent Tenders.

24. Tender Currencies

24.1 The bidder supplying indigenous goods or already imported goods shall quote only in India Rupees. Further, imported goods to be imported and supplied by the bidder are also required to be quoted in Indian Rupees.

24.2 For imported goods if supplied directly from abroad, prices shall be quoted in US Dollars. Commission of India Agent, if any and if payable shall be indicated and will be payable in Indian Rupees only.

25. Conversion Rate

The conversion rate for evaluation will be as per SBI TT selling rate as applicable on the date of opening of bid will be considered for Price Bid evaluation

Annexure- C

Price Bid (Domestic Bidders)

Sl No.	Item Description	Four Ball EP tester with accessories	Remarks
1	Quantity (nos.)	One (1) no.	
2	Unit rate (₹)		



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3	Packing & Forwarding Charges (If Any) (₹)		
4	Basic Price (₹)		
5	Excise Duty & Edu. Cess (₹)		Write % also
6	CST/VAT (₹)		Write % and CST will be FULL CST
7	Delivery charges(Ex Works) (₹)		
8	Transit Insurance (₹)	To be borne by supplier	
9	Entry tax @ 1% (₹)		
9	Total Price (₹)		
10	Buyback Offer	Four ball Tester (EP and antiwear test as per IP 239 & ASTM D 2596 & D 2783) Make : DUCOM INSTRUMENTS, BANGALORE. INDIA Model : TR -30L PNU Year of mfr: 2004 Condition: Working condition. All	



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		operations by manual method. Accessories: Available Excluded: Data acquisition & Pneumatic loading system. QTY-1 no.	
11	Final offer after buyback		

Price Bid (Goods to be imported from abroad)

Sl No.	Item Description	Humidity Cabinet (One No.)
1	Country of Origin	
2	Total Price CIF/CIP Kolkata India (US \$)	
3	Buyback Price (₹)	



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Annexure: D **Conditions for Online Bid Submission**

1. Procedure For Bid Submission

The bidder shall submit his response through bid submission to the tender on e-Procurement platform at <https://balmerlawrie.eproc.in> by following the procedure given below. The bidder would be required to register on the e-procurement market place at <https://balmerlawrie.eproc.in> and submit their bids online. No offline bids shall be entertained by the Tender Inviting Authority. The bidders shall submit their eligibility and qualification documents, Technical bid, Financial bid etc., in the standard formats prescribed in the Tender documents, displayed in e-Procurement web site. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., if required, in support of their eligibility criteria/technical bids in the e-Procurement web site. However, bulky documents need not be scanned and uploaded but physical copy of the same should be sent to the Tender Inviting Authority office before the tender opening date. The bidder shall sign on the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity.

2. Registration with e-Procurement platform:

For registration and online bid submission bidders may contact HELP DESK of M/s C1 India Pvt., Ltd., or they can register themselves online by logging in to the website <https://balmerlawrie.eproc.in>

3. Digital Certificate authentication:

The bidder shall authenticate the bid with his Digital Certificate for submitting the bid electronically on e-Procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-Procurement platform. All the bidders who do not have Digital Certificates need to obtain Digital Certificate. They may contact Help Desk of C1 India Pvt Ltd.

M/s C1 India Pvt Ltd.
C104, Sector 2 Noida-201301

Contact persons:

Tuhin Ghosh (Kolkata), +91 8981165071
Email : tuhin.ghosh@c1india.com

Mr. Tirtha Das, +919163254290
Email-id : tirtha.das@c1india.com



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4. Submission of Hard copies:

After submission of bid online, the bidders are requested to submit the demand drafts /Bank Guarantee towards tender fees and / EMD along with other documents as required, to the Tender Inviting Authority before opening of bid. The bidder shall furnish the original DD / Bank Guarantee and other documents either in person or through courier or by post and the receipt of the same within the stipulated time shall be the responsibility of bidder. BL shall not take any responsibility for any delay or non-receipt of said documents. If any of the documents furnished by the bidder is found to be false / fabricated, the bidder is liable for black listing, forfeiture of the EMD, cancellation of work and criminal prosecution.

The bidder is requested to get a confirmed acknowledgement from the Tender Inviting Authority as proof of submission of hardcopies.

5. Corrigendum to tender:

The bidder has to keep track of any changes by viewing the addendum / Corrigendum's issued by the Tender Inviting Authority on time-to- time basis in the E-Procurement platform. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.

6. Bid Submission Acknowledgement:

The user should complete all the processes and steps required for bid submission. The successful bid submission can be ascertained once acknowledgement is given by the system through bid submission number after completing all the processes and steps. Tender Inviting Authority and C1 India Pvt. Ltd. will not be responsible for incomplete bid submission by users. Users may also note that the incomplete bids will not be saved by the system and are not available for the Tender Inviting Authority for processing.

Before uploading scanned documents, the bidders shall sign on all the statements, documents, certificates uploaded by him, owning responsibility for their correctness / authenticity.

7. Disclaimer Clause:

The Company (Balmer Lawrie & Co. Ltd.) nor the service provider (C1 India Pvt. Ltd.) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof.
