



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

P 43, Hide Road Extension, Kolkata – 700 088
Phone: 033 – 24500124, E-mail – Srinivas.pcs@balmerlawrie.com

TENDER ENQUIRY

Tender No. : GLK/TE19/208 DT 30/10/19

Due Date : 13/11/19 Time: 5PM

Sub: Supply and installation/Commissioning of Muffle Furnace for QA Laboratory

Offers are invited from manufacturers / authorized agents / dealers for the subject supplies per Specifications and General terms & conditions attached in Annexure - A & B respectively.

If the tenderer find any discrepancy, omission, ambiguity or conflict in or among the documents forwarded or be in doubt as to their meaning and interpretations, such matter shall be brought to the attention of us, at least four working days prior to the due date of the Tender. However no change in price/value shall be allowed after placement of the order or during the execution of work at site.

For any clarification, please contact

Mr. P.C.S.Srinivas
Mob no-9445160082

OR Mr. Alok Kr. Das
Mob No- 9748729919

The bidders are requested to submit their offer in a SEALED ENVELOP clearly mentioning Tender Number and Description on or before the due date and time of the tender.

Thanking you,

Yours faithfully,
For **Balmer Lawrie & Co. Ltd.**

(Arnab Ghatak)
Sr. Manager (SCM)

Encl.: As above



1.0 **Technical Specifications**

Technical Specification for Muffle Furnace for QA Laboratory:

The details of the technical specifications are given below:

1. **Internal Dimensions of the furnace** : Rectangular, Lift door type with hot surface facing away from the operator. (Depth × Width × Height) in mm : 300×200×200 (Minimum)
2. **Working Temperature** : 1200°C Maximum
3. **Heating Element** : Silicon Carbide (SiC) or any other suitable alloy material with long life performance. Heating rate to be specify. Power rating to be provided for the quoted model(Minimum 2.0 kw or above)
4. **Temperature Accuracy** : ±2°C or better. Temperature setting is well calibrated.
5. **Temperature Control** : Microprocessor based PID controller with many number of steps. Specify the number of steps.
6. **Furnace Insulation** : Ceramic wool / any other insulating material.
7. **Temperature Settings & Display** : Digital and double display.
8. **Over-temperature limiter** with adjustable cutout temperature for thermal protection to be provide to protect furnace & load. Built in Diagnostics & Error display is available in the Equipment
9. **Specify the time taken for achieving** the desired temperature (750deg.C) from ambient temperature and time taken to cool the furnace from set high temperature to ambient temperature. The specified time to be demonstrated at the time of Installation.
10. **Out body and inner body** : made of inert, corrosion resistant Stainless Steel.
11. **Furnace must accommodate** At least Six (6) number of Silica Crucible 50ml capacity with good spacing between the crucibles.
12. **The equipment must meet** the requirements of Standard methods for Petroleum products of Standard bodies such as ASTM , IP, BIS , DIN etc. Standard Methods such as ASTM D 484, ASTM D 874, IP 163 , IP 223 etc.. can be followed using the said model of Equipment .
13. **The quoted model has a provision** of purging non-flammable inert gases .The provision can be provided as a optional
14. **Spares & Consumables:** The necessary spares(fuses) & consumables including tools required for smooth operation of the equipment must be provided.
15. **Technical Literature Support:** The technical details in the form of literature of the equipment to be provided along with manuals of instruction & operation.
16. **Power source** : 220 V ,50Hz single phase . Please specify if the model requires three phase.
17. **Dimension & Weight** of the equipment to be provided.
18. **Calibration** Certificate must be provided with instrument.



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Annexure-B

General Terms & Conditions

2.1 Submission of offer

Bidder shall submit their offer in Closed envelop on or before due date and time of the tender without any deviation of technical specifications.

In case of offer, which are not found in line with our guidelines and Terms & Conditions, may subject to rejection.

2.2 Warrantee /guarantee Certificate

Bidder has to submit all Original Copies of Warrantee /Guarantee Certificate along with the Supply Invoice.

2.3 Acceptance of offer & Placement of Order

Balmer Lawrie & Co. Ltd. (BL) reserves the right to reject/accept all or any tender(s). A tenderer may quote all or either items/heads under supply for this tender. Purchase order will be placed to item wise L1 vendor subject to qualifying technical & commercial requirements in the tender.

2.4 Delivery period

ALL Items to be supplied within 4 to 6 weeks from the date of placement of PO/LOI whichever is earlier.

2.5 Price schedule

The price shall be quoted as per specified format.

2.6 Payment terms

- (i) 90% of order value will be released with in 30 days from the date of supply and commissioning.
- (ii) Balance 10 % of order 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 (on BL format) for equal amount.



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2.7 Performance Bank Guarantee (PBG)

PBG may be furnished in lieu of retention money in specified format of BL and shall be valid for the entire guarantee period from the date of successful commissioning .

2.7.1 GST Compliance:

"The vendor should compulsorily follow all the provisions of GST Law and in the event of any default of complying with any of the provisions of the GST Law, Balmer Lawrie would exercise the right for non-payment / withholding payment / black listing the vendor."

2.8 Guarantee/Warranty Period

12 (twelve) months from the date of successful commissioning

During this guarantee period the performance of the supplied & commissioned item has to be in line with the expected / agreed quality as per tender/PO and if not then vendor has to replace/rectify the same at no extra cost to BL to the satisfaction of BL.

2.9 Validity of offer

The offers shall remain valid for a period of 45 days from the due date of the tender.

2.10 Liquidated Damages

In case of failure to deliver the item (of acceptable quality) by the successful vendor, as per the completion period, a pre-determined liquidated damages @ ½ % per week of the basic order value subject to a maximum of 5% of the basic order value shall be deducted from the invoice.

2.11 Jurisdiction

All disputes are subject to Kolkata jurisdiction.

For **Balmer Lawrie & Co. Ltd.**

(Arnab Ghatak)
Sr. Manager (SCM)



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Price Bid

SNO	Description	QT Y	Basic +GST per Number
1	Door Delivery price of Muffle Furnace for QA Laboratory including installation and commissioning charges. To specify :Make..... & Model:.....	1	

I here by agree to all Terms and conditions of the above Tender.

Name and Signature
Contact nos

Address with Stamp

Note: Acknowledgment copy of the Tender Form to be submitted along with Price Bid by endorsing on all pages.