

**Tender Ref: BL/LC/MAN/CP14TE/LT/201819/0251**

**Dated: 05.12.2018**

**Due date: 18.12.2018**

**Sub: Inviting e-bids (two bid system) for Supply, commissioning and testing of Temperature Controllers as per specification at SBULC, Manali – Req...**

## 1. INTRODUCTION

Balmer Lawrie & Co Ltd. [herein after referred as BL] is a multiple product, multi location and multi technology conglomerate and manufacture of Leather Chemicals forms one of the core businesses of the company. The company invites **e-bids (two bid system) for Supply, commissioning and testing of Temperature Controllers (18 sets) as per specification** for their Chennai plant from approved and experienced Original Equipment Manufacturers/authorized dealers of OE manufacturers with sound infrastructural, technical and financial capabilities.

## 2. TENDER QUANTITY - 18 sets

## 3. TECHNICAL SCOPE AND SPECIFIC CONDITIONS

### **Refer Annexure – 1 (14 pages)**

Technical specifications given are only indicative. However, parties need to quote with maximum level of accuracy designed for the given requirements.

## 4. EARNEST MONEY DEPOSIT

The bidder shall furnish an **EMD** for a sum of **Rs. 10,000 /-(Rupees Ten Thousand only)** along with the bid by a/c payee pay order / demand draft / irrevocable bank guarantee (as per BL format enclosed as last page of the tender) in favour of Balmer Lawrie & Co Ltd payable at Chennai. DD should be valid for the period of at least 75 days from the due date of tender. The bank guarantee (BG) shall remain in force for at least 90 days from the due date of tender and shall be extendable on request made by BL prior to expiry of the BG.

### **a. OFFERS RECEIVED WITHOUT EMD WILL BE REJECTED**

- a. For the successful bidder, the EMD will be refunded only after they submit the necessary Security Deposit against the order placed on them. EMD will carry no interest.
- b. If the successful bidder is unable to accept or execute orders when placed upon him or withdraws / upwardly revises his quoted prices, within the validity period of his tender or after placement of the Order / Letter of Intent, successful Bidder fails to deliver the material as per the terms & condition of the Purchase Order or violates the tender conditions, his Earnest Money Deposit shall be forfeited.
- c. For the unsuccessful bidders, the EMD will be refunded only after the Purchase order has been released on the successful bidder.
- d. Linking of EMD amount with earlier transactions / adjustments with pending bills or any other amount payable by the company is not allowed.

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- e. SSI UNITS with valid registration with NATIONAL SMALL INDUSTRIES CORPORATION LIMITED (MSME/NSIC), FOR THE ITEM/SERVICE TENDERED ARE EXEMPTED FROM PAYMENT OF EARNEST MONEY DEPOSIT subject to submission of valid UAN registration.

**NOTE:** - Bidder having MSME/NSIC Registration needs to attach copy of valid Certificate applicable for the tendered product/service along with UAN certificate.

## 5. PRICE

5.1 The price to be submitted at our e-portal only, as per the indicative format below: (Submission of offline price bid will disqualify the bidders' participation in the tender)

1. Price bid for supply, installation, commissioning and testing of Temperature Controllers & Accessories for Acrylic Plant - 3 Nos
2. Price bid for supply, installation, commissioning and testing of Temperature Controllers & Accessories for Wax Melters- 3 Nos
3. Price bid for supply, installation, commissioning and testing of Temperature Controllers & Accessories for Primary Reactors - 6 Nos
4. Price bid for supply, installation, commissioning and testing of Temperature Controllers & Accessories for Syntan Reactors (Heating cycle) - 3 Nos
5. Price bid for supply, installation, commissioning and testing of Temperature Controllers & Accessories for Syntan Reactors (Cooling cycle) - 3 Nos

Item	Particulars	Formula (if any)
1	Unit Of Measurement	No.
2	Basic Price per unit	A
3	FREIGHT (Including Insurance) per unit	B
4	TOTAL BASIC PRICE (Including freight & Insurance)	C= SUM (A+B)
5a	CGST (Enter applicable Rate in %)	D1=C* (Applicable CGST Rate in %)
5b	SGST (Enter applicable Rate in %)	D2=C* (Applicable SGST Rate in %)
	OR	
6	IGST (Enter applicable Rate in %)	D3=C* (Applicable IGST Rate in %)
7	Total Cost	E= SUM(C+(D1+D2) or D3)
8	Less: CGST	F= D1
9	Less: SGST	G= D2
10	Less: IGST	H= D3
11	Landed Cost	I= (E- (F+G) or H)
12	Unloading	By BL
13	HSN Code of the tendered item	To be provided by Vendor

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**Note:**

Erection of Control valve & cable - BL Scope

Supervision, cable termination ,commissioning , testing & Handing over - Vendor Scope

**Charges for supervision, cable termination, commissioning, testing & handing over are to be included in the basic price as above. Any other extra charges are not payable by BL**

The basic price should also include the Freight, transit insurance, loading charges at supply premises, packing and forwarding. Price quoted should be on FOR Manali basis in **Rs. per unit.**

**Vendor has to provide the applicable GST rate in % in the relevant fields as above during price bidding. If a vendor quotes with CGST & SGST, then they may ENTER "0" (Numerical Zero) in IGST field and similarly, If a vendor quotes with IGST, then they may ENTER "0" (Numerical Zero) in CGST & SGST fields.**

Changes in statutory levies like GST and any taxes as applicable on the product shall be reimbursed at actuals based on documentary proof. Taxes and duties as applicable shall be clearly mentioned.

**5.2 No Change in the accepted price structure on the basis of landed cost at our Manali works shall be permitted during the period of contract under any circumstances**

**Note:** Please note, while price bidding in e-procurement portal **five** bid-forms will be available as below.

1. Price bid for supply, installation, commissioning and testing of Temperature Controllers for Acrylic Plant - 3 Nos
2. Price bid for supply, installation, commissioning and testing of Temperature Controllers for Wax Melters- 3 Nos
3. Price bid for supply, installation, commissioning and testing of Temperature Controllers for Primary Reactors - 6 Nos
4. Price bid for supply, installation, commissioning and testing of Temperature Controllers for Syntan Reactors (Heating cycle) - 3 Nos
5. Price bid for supply, installation, commissioning and testing of Temperature Controllers for Syntan Reactors (Cooling cycle) - 3 Nos

The vendor has to quote their price as per the above format for all the five items separately. **Price offers of those vendors who do not submit their quote for all the five items as above will not be considered.**

**5.3 Price bids of technically qualified bids alone will be considered for opening.**

**Order will be issued to overall lowest (L1) quoted tenderer, including all the items as above.**

**6. SECURITY DEPOSIT (SD)**

Successful tenderer shall be required to submit within 10 days of issue of LOI / PO, SD equivalent to 5% of the total order value rounded off to the nearest thousand rupees by a/c payee pay order / demand draft / irrevocable BG as per our format with

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a validity of further 3 months from expiry of the contract. The BG format will be issued to successful bidder. No interest will be payable on the SD held with us.

If SD is not received within 10 days from date of LOI/PO, the amount will be deducted from the vendor's bills.

The Security Deposit paid by Pay Order/Demand Draft/Bank Transfer shall bear no interest and shall be refunded to successful bidder, only on successful completion of order.

All sums of compensation or other sums of money as determined, if any, payable by the bidder may be deducted from the Security Deposit.

The Security Deposit amount can be adjusted to the extent of EMD amount for the successful bidder.

**Security deposit is liable to forfeiture in the event of:**

- a. Not supplying the after Acceptance of Purchase Order.
- b. Successful Bidder fails to deliver the product as per the terms & condition of the Purchase Order.
- c. Successful Bidder violates the tender conditions.
- d. If the performance of the bidder is found to be unsatisfactory
- e. Any unilateral revision made by the successful bidder during the validity period of the contract.

**7. PAYMENT TERMS**

7.1 Our payment terms would be

- 75% of basic with full duties and taxes: with 15 days credit from date of receipt and acceptance;
- 15% of basic on successful completion of commissioning or within 30 days from date of supply whichever is earlier.
- Balance 10% of basic against PBG valid for one year extended further by 3 months Or after one year of retention period.

**Note:** In case of payment terms differing from above, suitable adjustments will be made in arriving at the landed cost while price comparison. However, partial advance payment, if any, prior to dispatch is payable only against Advance Bank Guarantee (taken from a nationalized bank) as per BL format valid for 6 months or valid for the delivery period whichever is later.

**Offers seeking payment before supply without Advance Bank Guarantee will be rejected.**

**Advance Bank Guarantee /Performance Bank Guarantee format shall be given to successful tenderer and if the tenderer is submitting BG, it shall be strictly as per our BG format only. ABG, if any, shall be submitted within 10 days from the date of LOI/PO. Also, Advance against ABG is payable only on receipt of SD.**

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- 7.2 Supply will be complete only if all relevant documents etc are submitted. Relevant Material test certificate for bought out items to be submitted along with dispatch.
- 7.3 **Payment will be made only to the bidder or principal on whom the Purchase Order is placed. If offer states that payment is to be made to bidder's financier / creditor, the offer will stand rejected.**

## 8. GUARANTEE

- 8.1 The party shall stand guarantee for material, workmanship and performance for a period of 18 months from the date of supply or 12 months from the date of commissioning, whichever is earlier.
- 8.2 During the above period, the party shall attend/repair/rectify /replace any defects whatsoever in material, workmanship and performance.

## 9. DELIVERY & COMMISSIONING:

- 9.1 Delivery is expected **within 8 weeks** from date of PO/LOI. However, vendor shall mention their earliest possible delivery period clearly. Vendor has to submit QAP and drawing of the scrubber for BL's approval within 7 days from the date of LOI/PO. BL will revert on approval with correction, if any within one week from receipt of QAP & drawing.

The delivery period mentioned above is inclusive of inspection & testing/transit time. No additional time shall be given separately for inspection/testing/transportation. Hence vendor has to plan and inform BL regarding the readiness of the equipment for inspection/testing with 1 week notice period, and BL shall confirm on inspection & testing within 2 days from the inspection notice given by the vendor.

Corrections/modifications as suggested by BL during inspection & testing to be implemented by the vendor within the mutually agreed period by BL & Vendor, based on the nature of corrections/modifications suggested.

**Any delay in submission of Bank Guarantee, Drawings etc & delay due to inspection & testing/transportation will be counted into delivery time taken by vendor only**

The delivery period mentioned above is inclusive of inspection (if any) & transit time.

- 9.2 Erection of Control valve & cable - BL Scope  
Supervision, cable termination ,commissioning , testing & Handing over - Vendor Scope  
**Charges for supervision, cable termination, commissioning, testing & handing over are to be included in the basic price as above. Any other extra charges are not payable by BL**  
**For this, no additional charges will be paid.**

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**10. LD Clause:**

The material shall be delivered as per committed delivery schedule without fail. Any delay in delivery as per agreed schedule will be liable for imposition of LD @0.5% of the total order value per week subject to a maximum of 5% on total basic value of delayed items.

**11. CONFLICT OF INTEREST**

The bids of any tenderers may be rejected if a conflict of interest between the tenderer and the Company is detected at any stage

**12. RISK PURCHASE**

Without prejudice to other provisions in the tender, in the event of the vendor failing to supply within the stipulated delivery period, BL shall have the right and option to procure the products from alternate sources, at the risk and cost of the vendor, without further intimation. In case of rejection and with no request for re-test from vendor against the rejection or on confirmation of rejection after re-test, if dispatch of replacement material is not made within mutually agreed time period, BL shall have the right to procure the product from alternate sources, at the risk and cost of the vendor, without further intimation.

**13. DELIVERY TO PLANT**

Purchase Order under this tender will be placed for DELIVERED supplies. Transit Risk for the supplied material, Insurance coverage thereof will be borne by the supplier.



**14. DESPATCH & TESTING**

If required, inspection of the material shall be conducted at the vendor's premises before delivery, in presence of BL representative.

**Refer clause no. 9, Delivery.**

**Release note to be obtained from BL for dispatch clearance. Only after due clearance from BL, the racks material shall be dispatched from the vendor premises.**

**15. ARBITRATION**

Any dispute or difference arising under this Contract shall be referred under jurisdiction of Chennai to a sole arbitrator to be appointed by the Chairman & Managing Director, Balmer Lawrie & Co. Limited and the provisions of Arbitration and Conciliation Act, 1996 including any statutory modifications or enactment thereof shall apply to the Arbitration proceedings. The fees of the arbitrator, if any, shall be shared equally by both the parties. The award shall be a speaking award stating reason therefore and is final and binding on the parties. The proceeding shall be conducted in English language and courts at Chennai will have exclusive jurisdiction to settle any dispute arising out of this contract.

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## **16. GST TAX FORMALITES & COMPLIANCE WITH REGULATIONS**

Vendor shall warrant that all goods covered by this agreement / contract are dispatched and delivered in strict compliance with all applicable laws, regulations, labour agreements, working conditions and technical codes and requirements as applicable from time to time. The vendor shall execute and deliver such documents as may be required to effect or to evidence such compliance.

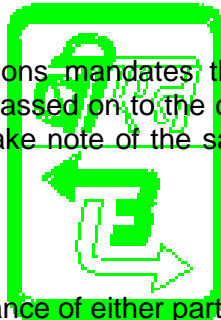
The vendor shall issue the GST invoice so that equivalent amount may be availed as GST / applicable tax credit by BL. Vendor / vendor's nominated transporter shall ensure handing over of the GST paid invoice for availing concerned levy to the Company at the time of delivery of the consignment.

All laws and regulation required to be incorporated in this charter are hereby deemed to be incorporated by these references. BL and / or their authorized representatives disown any responsibility for any irregularity, contravention or infringement of any statutory regulations in the manufacture and / or supply of goods covered by this agreement / contract.

**The processing of invoice should be as per the GST Act. Any penalties due to the non-adherence will be deducted from your invoice.**

## **17. ANTI-PROFITEERING CLAUSE**

GST Act anti-profiteering provisions mandates that any reduction in tax rates or benefits of inputs tax credits be passed on to the customer by way of commensurate reduction in prices. Vendors to take note of the same and pass such benefits to BL while quoting their price.



## **18. FORCE MAJEURE**

Any delay in or failure of performance of either party hereto shall not constitute default hereunder or give rise to any claims for damage, if any, to the extent such delays / failure of performance is caused by occurrences such as Acts of God or an enemy, decrees of any Government or Governmental authority, acts of war, rebellion, sabotage or fires, floods, explosions, riots, or strikes. The vendor shall keep records of the circumstances referred to above and bring these to notice of the concerned Officer of the buyer in writing within 7 days of such occurrences.

The period of time, if any, lost on any of these counts shall not be counted for the contract period. The decision of buyer arrived at after consultation with vendor, shall be final and binding. Such period of time shall be extended by the buyer to enable the vendor to deliver the items within such extended period of time. As soon as the cause of Force Majeure been removed, the party whose liability to perform its obligation has been affected shall notify the other of such cessation and inform the other party the actual delay incurred in such affected activities. Any such event, whenever it occurs, provided that it prevents, affects or delays the party in performing contractual obligation, shall justify the claim of Force Majeure.

During the pendency of Force Majeure conditions, the Agreement and the obligations there under shall stand suspended provided the notice as required above is given in time. If such event continues beyond 14 days, the parties to this Agreement hereby agree to discuss and decide the course of action to be adopted in this regard including the possibility and manner of terminating the Agreement.

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## 19. CONDITIONS / PROCEDURE FOR BID SUBMISSION

The bidder would be required to register on the e-procurement market place <https://balmerlawrie.eproc.in> and submit their bids online. **No offline price bids will be entertained by the Tender Inviting Authority.** The bidders shall submit their price bid displayed in e Procurement web site. The bidders shall submit/upload copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids to the Tender Inviting Authority before the due date for tender submission in the e-procurement portal. The bidder shall sign on the statements, documents, certificates, owning responsibility for their correctness/authenticity.

## 20. Registration with eProcurement platform

For registration and online price 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>. **Vendors need to get themselves registered online as above to participate in tender**

HELPDESK NOS ARE OPEN BETWEEN 1000 HRS to 1830 HRS <u>IST</u> (MONDAY TO FRIDAY (Exclusions: Balmer Lawrie HOLIDAYS))			
Please email your issues before your call helpdesk. This will help us serving you better.			
Balmer Lawrie & Co Ltd. , 21, Netaji Subash Road, Kolkata - 700 001			
Dedicated email : <a href="mailto:blsupport@c1india.com">blsupport[at]c1india[dot]com</a>			
Dedicated Helpdesk for Balmer Lawrie			
Contact Person	E-Mail ID	Tel. No.	Helpdesk Nos are open from
1. Mr. TirthaDas (Kolkata)	<a href="mailto:tirtha.das@c1india.com">tirtha.das@c1india.com</a>	+91-9163254290	MON - FRI
2. Mr.Partha Ghosh (Kolkata)	<a href="mailto:partha.ghosh@c1india.com">partha.ghosh@c1india.com</a>	+91-8811093299	MON - FRI
3. Mr. CH. Mani Sankar (Chennai)	<a href="mailto:chikkavarapu.manisankar@c1india.com">chikkavarapu.manisankar@c1india.com</a>	+91-8939284159	MON - SAT
4. Ms. Ujwala Shimpi (Mumbai)	<a href="mailto:ujwala.shimpi@c1india.com">ujwala.shimpi@c1india.com</a>	+91-22-66865608	MON - FRI
5. Helpdesk Support (Kolkata)		+91-8017272644	MON - SAT
Escalation Level 1			
Mr. Tuhin Ghosh	<a href="mailto:tuhin.ghosh@c1india.com">tuhin.ghosh@c1india.com</a>	+91-8981165071	

## 21. Digital Certificate authentication

The bidder shall authenticate the bid with his Digital Certificate before submitting the price 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 with encryption need to obtain Digital Certificate with encryption to participate in e-tender. They may contact Help Desk of C1 India Pvt Ltd.

## 22. 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 our website [www.balmerlawrie.com](http://www.balmerlawrie.com) and our e-Procurement platform <https://balmerlawrie.eproc.in>. The Company inviting tender shall not be responsible for any claims / other issues arising out of this.

*Seal & Signature of the Tenderer:*



### 23. 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.

### 24. SUBMISSION OF TENDER DOCUMENTS [excluding price bid]

BL expects bidders' compliance of bid document without any deviation. Deviation if felt absolutely necessary in respect of terms & conditions / quality should be mentioned in the deviation sheet as per format of tender documents and furnished along with techno-commercial bid. BL shall not take cognizance of any deviation stipulated elsewhere in the bid. **The deviations, if mentioned, are subject to approval by BL.**

**Bulky supporting documents which are difficult to upload online can be submitted offline before due date.**

**Offline Techno-commercial bid shall comprise the following:**

1. Copy of this tender document No. **BL/LC/MAN/CP14TE/LT/201819/0251** duly signed & stamped on all pages by the authorized signatory as a token of acceptance of tender terms & conditions.
2. **EMD for Rs. 10,000/- as Pay Order / DD / Irrevocable BG or NSIC/SSI/MSME certificate with UAN as applicable for exemption**
3. Duly filled specifications as sought in **Annexure- 1**
4. Duly filled commercial terms as sought in **Annexure- 2**
5. Duly filled vendor details as sought in **Annexure- 3**
6. Duly filled GST Registration details as sought in **Annexure- 4**
7. Deviation sheet as per format [nil statement to be attached even if there are no deviations].
8. In case of dealers/agents representing their principal, authorization letter from principal need to be submitted.
9. Details on authorized service dealer in Chennai Or details on after sales service.
10. The sealed envelope containing all the above documents super scribing **"Unpriced Offer for – "Temperature Controllers"**, Ref: Tender No **BL/LC/MAN/CP14TE/LT/201819/0251**.

***Seal & Signature of the Tenderer:***

Senior Manager [SCM]  
**BALMER LAWRIE & CO. LTD.**  
SBU-Leather Chemicals  
32, Sathangadu Village, Manali,  
Chennai – 600068.

Phone : 044 – 25946563  
Fax : 044 – 25941156  
email:a.arun@balmerlawrie.com  
valarmathi.m@balmerlawrie.com

## 25. SUBMISSION OF PRICE BID (ON-LINE ONLY)

26.1 Vendors to submit their price online only, as per the indicative format as per clause **5** as sought in our e-procurement portal.

26.2 **SUBMISSION OF OFF- LINE PRICE BID WILL DISQUALIFY THE BIDDERS'S PARTICIPATION IN THE TENDER**

## 26. EVALUATIONS OF BIDS

The on-line closed price bids shall be used for grading the bidders. **Technical evaluation of the offers received would be done, based on the technical specification given in Annexure-1.**

Price bids of technically qualified bids alone will be considered as above and lowest landed rate including all items (net of GST, as applicable) shall be taken as L1 price and next lowest as L2 price and so on.

**100% order will be awarded to L1 bidder.**

In case, bids are received from related Companies, only the lowest among such bids shall be considered for evaluation. The other bids of related Companies will stand rejected.

**If required, during technical evaluation, the facilities of the manufacturer and their clients will be visited by BL for verification.**

## 27. VALIDITY OF OFFER

Your offer should be valid for our acceptance up to **60 days** from the due date of this tender **(i.e. From 18.12.2018).**

## 28. GENERAL

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.

BL reserves the right to accept any tender in whole or split the order or reject any or all tenders without assigning any reason.

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BL shall not be bound to accept the lowest tender and reserves the right to accept any or more tenders in part. Decision of BL in this context shall be final and shall be binding on the bidders.

Whenever there is a duplication of clause in the terms and conditions, the clause which is beneficial to the Company will be considered applicable at the time of any dispute

It may be noted that if any term is not mentioned in offer, it will be considered as per our tender only.

It shall be understood that every endeavor has been made to avoid error which may materially affect the basis of the tender and the successful bidder will take upon himself to provide for risk of any error which may subsequently be discovered and shall make no subsequent claim on account thereof.

## **29. DISCLAIMER CLAUSE**

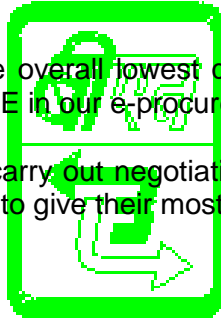
Neither the Company (Balmer Lawrie & Co. Ltd.) nor the service provider (C1 India Pvt. Ltd.) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof.

## **30. AWARD OF CONTRACT**

The order will be awarded to the overall lowest quoted tenderer based on the rate provided in the PRICE SCHEDULE in our e-procurement website.

If required, the Company would carry out negotiation with the tenderers and it would be in the interest of the tenderers to give their most competitive rates.

**For Balmer Lawrie & Co Ltd**



**Senior Manager (SCM)**

**Encl: Annexure- 1 ( 14 pages) - Technical Requirements  
Annexure- 2 (1 page) - Commercial Requirements  
Annexure- 3 (1 page) - Vendor Details  
Deviation Sheet Format- (1 page)  
BG Format for EMD**

*Seal & Signature of the Tenderer:*

**Vendor is requested to confirm all the data:****Technical Questionnaire**

<b>SUPPLY ,COMMISIONING &amp; TESTING OF FLOW CONTROL VALVE</b>			
<b>CATEGORY-1 FOR SS REACTORS at ACRYLIC PLANT (3 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
1	<b>PROCESS DATA</b>		
	Location	SS Reactors	
	Service	Steam	
	Qty	3 nos	
	Pipe connection	2" Flanged end,ANSI 150# , B 16.5	
	Process media	Steam	
	Process temperature	100 Deg C to 220 Deg C	
	Process pressure	2 to 3 kg / sq.cm	
	Air supply	2 to 4 kg / sq.cm	
	Power / signal failure	Valve close	
2	<b>CONTROL VALVE</b>		
	Mfr &Model	Vendor to specify	
	Pressure rating	150 #	
	End connection	2" Flanged end,ANSI 150# , B 16.5	
3	<b>MOC</b>		
	Body &Bonnet	Carbon steel	
	Trim	SS 316	
	Stem	Vendor to specify	
	Seat	Vendor to specify	
	Packing	Graphite	
	Gasket	Metal Gasket	
	Leakage	Class IV	
4	<b>ACTUATOR</b>		
	Mfr &Model	Vendor to specify	
	Type	Diaphragm	
	Air connection	¼" inch	
	Supply pressure - min	1.4 Kg/cm2	
	Bench range	0.2 – 1 Kg/cm2	

**Seal & Signature of the Tenderer:**

**CATEGORY-1 FOR SS REACTORS at ACRYLIC PLANT (3 NOS)**

<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
<b>5</b>	<b>POSITIONER</b>		
	Mfr &Model	Vendor to specify	
	Type	Electro Pnuematic Positioner	
	Input signal	4-20 mA	
	Valve open at	0.4 Kg/cm2	
	Valve closed at	0.2 Kg/cm2	
	Air connection	¼" inch NPT	
	Area classification	Non Hazardous	
<b>6</b>	<b>MICROPROCESSOR BASED PROGRAMMABLE TEMPRATURE CONTROLLER</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Power supply	230V AC	
	Input	Universal Input	
	Output -1	4-20 mA	
	Output -2	Retransmission Output	
	Controller function	PID function	
	Controller display	Dual display 4 Digits	
	Accuracy	Vendor to specify	
<b>7</b>	<b>LOCAL DISPLAY INDICATOR WITH ENCLOSURE</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Input	Universal Input	
	Power supply	230V AC	
	Display	4 Digits	
	Accuracy	Vendor to specify	
<b>8</b>	<b>CABLE</b>		
a	1.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	100 mts	

**Seal & Signature of the Tenderer:**

**CATEGORY-1 FOR SS REACTORS at ACRYLIC PLANT (3 NOS)**

<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
b	2.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	100 mts	
c	Make	Polycab/Havels/Finolex	
9	<b>OTHERS</b>		
a	Test & Calibration certificates	Control Valve, Temperature Controller, Temperature Indicator	
b	Warranty certificate	Control Valve, Temperature Controller, Temperature Indicator	
10	<b>NOTE</b>		
a	Drawings to be approved by BL		
b	Tenderer should visit the site before quoting the tender. <b>For technical clarifications, please contact BL technical representative, Mr.P.James (25946572 / 9840827616), email: james.p@balmerlawrie.com/valarmathi.m@balmerlawrie.com</b>		
c	Erection of Control valve & cable - BL Scope		
d	Supervision,cable termination ,commissioning , testing & Handing over - Vendor Scope		



*Seal & Signature of the Tenderer:*

<b>CATEGORY-2 FOR WAX MELTERS (3 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
1	<b>PROCESS DATA</b>		
	Location	Wax melter	
	Service	Steam	
	Qty	<b>3 nos</b>	
	Pipe connection	1" Flanged end,ANSI 150# , B 16.5	
	Process media	Steam	
	Process temperature	100 Deg C to 220 Deg C	
	Process pressure	2 to 3 kg / sq.cm	
	Air supply	2 to 4 kg / sq.cm	
	Power / signal failure	Valve close	
2	<b>CONTROL VALVE</b>		
	Mfr &Model	Vendor to specify	
	Pressure rating	150#	
	End connection	1" Flanged end,ANSI 150# , B 16.5	
3	<b>MOC</b>		
	Body &Bonnet	Carbon steel	
	Trim	SS 316	
	Stem	Vendor to specify	
	Seat	Vendor to specify	
	Packing	Graphite	
	Gasket	Metal Gasket	
	Leakage	Class IV	
4	<b>ACTUATOR</b>		
	Mfr &Model	Vendor to specify	
	Type	Diaphragm	
	Air connection	¼" inch	
	Supply pressure - min	1.4 Kg/cm2	
	Bench range	0.2 – 1 Kg/cm2	

**Seal & Signature of the Tenderer:**

<b>CATEGORY-2 FOR WAX MELTERS (3 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
<b>5</b>	<b>POSITIONER</b>		
	Mfr &Model	Vendor to specify	
	Type	Electro Pnuematic Positioner	
	Input signal	4-20 mA	
	Valve open at	0.4 Kg/cm2	
	Valve closed at	0.2 Kg/cm2	
	Air connection	¼" inch NPT	
	Area classification	Non Hazardous	
<b>6</b>	<b>MICROPROCESSOR BASED PROGRAMMABLE TEMPRATURE CONTROLLER</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Power supply	230V/AC	
	Input	Universal Input	
	Output -1	4-20 mA	
	Output -2	Retransmission Output	
	Controller function	PID function	
	Controller display	Dual display 4 Digits	
	Accuracy	Vendor to specify	
<b>7</b>	<b>LOCAL DISPLAY INDICATOR WITH ENCLOSURE</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Input	Universal Input	
	Power supply	230V AC	
	Display	4 Digits	
	Accuracy	Vendor to specify	

**Seal & Signature of the Tenderer:**



<b>CATEGORY-2 FOR WAX MELTERS (3 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
8	<b>CABLE</b>		
a	1.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	100 mts	
b	2.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	100 mts	
c	Make	Polycab/Havels/Finolex	
9	<b>OTHERS</b>		
	Test & Calibration certificates	Control Valve, Temperature Controller, Temperature Indicator	
	Warranty certificate	Control Valve, Temperature Controller, Temperature Indicator	
10	<b>NOTE</b>		
a	Drawings to be approved by BL		
b	Tenderer should visit the site before quoting the tender. <b>For technical clarifications, please contact BL technical representative, Mr.P.James (25946572 / 9840827616), email: james.p@balmerlawrie.com/valarmathi.m@balmerlawrie.com</b>		
c	Erection of Control valve & cable - BL Scope		
d	Supervision,cable termination ,commissioning , testing & Handing over - Vendor Scope		

*Seal & Signature of the Tenderer:*

<b>CATEGORY-3 FOR PRIMARY REACTORS (6 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
1	<b>PROCESS DATA</b>		
	Location	Photo reactors	
	Service	Cooling Water	
	Qty	<b>6 nos</b>	
	Pipe connection	2" Flanged end, ANSI 150# , B 16.5	
	Process media	Cooling Water	
	Process temperature	Min 20 Deg C to Max 45 Deg C	
	Process pressure	2 to 3 kg / sq.cm	
	Air supply	2 to 4 kg / sq.cm	
	Power / signal failure	Valve open	
2	<b>CONTROL VALVE</b>		
	Mfr & Model	Vendor to specify	
	Pressure rating	150 #	
	End connection	2" Flanged end, ANSI 150# , B 16.5	
3	<b>MOC</b>		
	Body & Bonnet	Carbon steel	
	Trim	SS 316	
	Stem	Vendor to specify	
	Seat	Vendor to specify	
	Packing	PTFE	
	Gasket	Graphite + SS Insert	
	Leakage	Class VI	
4	<b>ACTUATOR</b>		
	Mfr & Model	Vendor to specify	
	Type	Diaphragm	
	Air connection	¼" inch	
	Supply pressure - min	1.4 Kg/cm <sup>2</sup>	
	Bench range	0.2 – 1 Kg/cm <sup>2</sup>	

**Seal & Signature of the Tenderer:**

<b>CATEGORY-3 FOR PRIMARY REACTORS (6 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
5	<b>POSITIONER</b>		
	Mfr &Model	Vendor to specify	
	Type	Electro Pnuematic Positioner	
	Input signal	4-20 mA	
	Valve open at	0.4 Kg/cm2	
	Valve closed at	0.2 Kg/cm2	
	Air connection	¼" inch NPT	
	Area classification	Non Hazardous	
6	<b>MICROPROCESSOR BASED PROGRAMMABLE TEMPRATURE CONTROLLER</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Power supply	230V AC	
	Input	Universal Input	
	Output -1	4-20 mA	
	Output -2	Retransmission Output	
	Controller function	PID function	
	Controller display	Dual display 4 Digits	
	Accuracy	Vendor to specify	
7	<b>LOCAL DISPLAY INDICATOR WITH ENCLOSURE</b>		
	Mfr &Model	Vendor to specify	
	Type	Microprocessor Based	
	Input	Universal Input	
	Power supply	230V AC	
	Display	4 Digits	
	Accuracy	Vendor to specify	

**Seal & Signature of the Tenderer:**

<b>CATEGORY-3 FOR PRIMARY REACTORS (6 NOS)</b>			
<b>S.NO</b>	<b>DESCRIPTION</b>	<b>SPECIFICATION</b>	<b>VENDORS OFFER</b>
8	<b>CABLE</b>		
a	1.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	200 mts	
b	2.5 Sq .mm armoured cable with four core ,Multistrand,copper cable	200 mts	
c	Make	Polycab/Havels/Finolex	
9	<b>OTHERS</b>		
	Test & Calibration certificates	Control Valve, Temperature Controller, Temperature Indicator	
	Warranty certificate	Control Valve, Temperature Controller, Temperature Indicator	
10	<b>NOTE</b>		
a	Drawings to be approved by BL		
b	Tenderer should visit the site before quoting the tender. <b>For technical clarifications, please contact BL technical representative, Mr.P.James (25946572 / 9840827616), email: james.p@balmerlawrie.com/valarmathi.m@balmerlawrie.com</b>		
c	Erection of Control valve & cable - BL Scope		
d	Supervision, cable termination ,commissioning , testing & Handing over - Vendor Scope		

**Seal & Signature of the Tenderer:**

**Category -4: for Syntan Reactors (6 Nos)**

<b>S.No</b>	<b>Description – Tender Requirement</b>		<b>Vendor's Offer</b>
<b>1</b>	<b>Scope of Work:</b> Engineering, Configuration, Supply and Installation of Temperature controller with control panel, Cable supply, Laying, Termination from Panel to Field Devices and commissioning of entire system for Reactor temperature control application for various ranges of products.		
	<b>Required Control Philosophy:</b>		
a	The Temperature controller should be configured for step by step process cycle time and temperature settings for Each step of selected product		
b	Each step completion should be notified to operator and should proceed to next step of process on operator confirmation		
c	The controller should be configured to maintain the set temperature throughout process cycle time of each step reaction process through heating or cooling cycle by controlling steam or cooling water flow		
<b>S.No</b>	<b>Description of the item</b>	<b>Specification</b>	<b>Vendor's Offer</b>
<b>1</b>	<b>Temperature Controllers (with control panel integration)</b>		
2.1	Temperature Controller	Should be configurable for various temperature set points, Timer Functions, Sequential steps configuration for many Temperature set points	
2.2	Make and Model	Vendor to Specify	
2.3	Multi Channel LCD temperature Monitor with set point editable function	7 inch, Ethernet	
2.4	Make and Model	Vendor to Specify	
2.5	Power supply Unit	230V AC to 24V DC	
2.6	Analog Input	Temperature Input	
2.7	Analog Output	Current Output	
2.8	Digital Input	24V DC input contact	
2.9	Digital Output	24VDC Relay Output Contact	

**Seal & Signature of the Tenderer:**

**Category -4: for Syntan Reactors (6 Nos)**

<b>3</b>	<b><u>Control Panel for Temperature controller with panel Integration:</u></b>		
3.1	Panel Dimension	Vendor to specify	
3.2	Panel Type	Front Access, Single Door with Lock	
3.3	Enclosure Rating	IP 54	
3.4	Indication Lamp	As required	
3.5	Push Button	As required	
3.6	Hooter	As required	
3.7	Cable Entry	Bottom Entry	
3.8	Cable wiring	1.5 sq.mm with lugs and ferrules	
3.9	Terminal Blocks 1.5 Sq.mm	As Required	
3.10	Cable color code	Red- positive, Black – Negative	
3.11	Relay With Base	As Required	
<b>4</b>	<b><u>Control Valve (For Heating Cycle) – 3 nos</u></b>		
4.1	Location	MSGL REACTOR	
	Service	Steam	
	Qty	<b>3 nos</b>	
	Pipe connection	2" Flanged end, ANSI 150# , B 16.5	
	Process media	Steam	
	Process temperature	100 Deg C to 220 Deg C	
	Process pressure	2 to 10 kg / sq.cm	
	Air supply	2 to 4 kg / sq.cm	
	Power / signal failure	Valve close	
4.2	<b>CONTROL VALVE</b>		
	Mfr & Model	Vendor to specify	
	Pressure rating	150 #	
	End connection	2" Flanged end, ANSI 150# , B 16.5	

**Seal & Signature of the Tenderer:**

**Category -4: for Syntan Reactors (6 Nos)**

4.3	<b>MOC</b>		
	Body & Bonnet	Carbon steel	
	Trim	SS 316	
	Stem	Vendor to specify	
	Seat	Vendor to specify	
	Packing	Graphite	
	Gasket	Metal Gasket	
	Leakage	Class IV	
4.4	<b>ACTUATOR</b>		
	Mfr & Model	Vendor to specify	
	Type	Diaphragm	
	Air connection	¼" inch	
	Supply pressure - min	1.4 Kg/cm <sup>2</sup>	
	Bench range	0.2 – 1 Kg/cm <sup>2</sup>	
4.5	<b>POSITIONER</b>		
	Mfr & Model	Vendor to specify	
	Type	Electro Pnuematic Positioner	
	Input signal	4-20 mA	
	Valve open at	0.4 Kg/cm <sup>2</sup>	
	Valve closed at	0.2 Kg/cm <sup>2</sup>	
	Air connection	¼" inch NPT	
	Area classification	Non Hazardous	
<b>5</b>	<b><u>Control Valve (For cooling Cycle) – 3 nos</u></b>		
5.1	Location	MSGL REACTOR	
	Service	Cooling water	
	Qty	<b>3 nos</b>	
	Pipe connection	2" Flanged end, ANSI 150# , B 16.5	
	Process media	Cooling water	
	Process temperature	Min 20 Deg C to Max 45 Deg C	
	Process pressure	2 to 3 kg / sq.cm	
	Air supply	2 to 4 kg / sq.cm	
	Power / signal failure	Valve open	

**Seal & Signature of the Tenderer:**

**Category -4: for Syntan Reactors (6 Nos)**

5.2	<b>CONTROL VALVE</b>		
	Mfr &Model	Vendor to specify	
	Pressure rating	150 #	
	End connection	2" Flanged end, ANSI 150# , B 16.5	
5.3	<b>MOC</b>		
	Body &Bonnet	Carbon steel	
	Trim	SS 316	
	Stem	Vendor to specify	
	Seat	Vendor to specify	
	Packing	PTFE	
	Gasket	Graphite + SS Insert	
	Leakage	Class IV	
5.4	<b>ACTUATOR</b>		
	Mfr &Model	Vendor to specify	
	Type	Diaphragm	
	Air connection	¼" inch	
	Supply pressure - min	1.4 Kg/cm <sup>2</sup>	
	Bench range	0.2 – 1 Kg/cm <sup>2</sup>	
5.5	<b>POSITIONER</b>		
	Mfr &Model	Vendor to specify	
	Type	Electro Pnuematic Positioner	
	Input signal	4-20 mA	
	Valve open at	0.4 Kg/cm <sup>2</sup>	
	Valve closed at	0.2 Kg/cm <sup>2</sup>	
	Air connection	¼" inch NPT	
	Area classification	Non Hazardous	
6	<b>CABLE</b>		
a	Signal cable - 1.5 Sq mm armoured cable with Two core ,Multistrand,copper cable	200 mts	
b	Sensor cable - 1.5 Sq mm armoured cable with three core ,Multistrand,copper cable	200 mts	
c	Make	Polycab/Havels/Finolex	

**Seal & Signature of the Tenderer:**

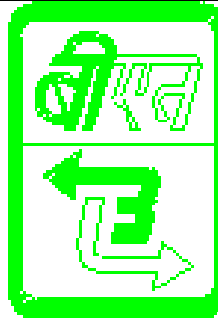


**Category -4: for Syntan Reactors (6 Nos)**

7	<b>OTHERS</b>		
	Test & Calibration certificates	Control Valve, Temperature Controller, Programmable controller	
	Warranty certificate	Control Valve, Temperature Controller, Programmable controller and Control panel	

**NOTE**

a	Drawings to be approved by BL
b	Tenderer should visit the site before quoting the tender. <b>For technical clarifications, please contact BL technical representative, Mr.P.James (25946572 / 9840827616), email: james.p@balmerlawrie.com/valarmathi.m@balmerlawrie.com</b>
c	Erection of Control valve & cable - BL Scope
d	Supervision, cable termination, commissioning , testing & Handing over - Vendor Scope



**Seal & Signature of the Tenderer:**

**Annexure –2 (Page 1 of 1)****Vendor is requested to confirm all the data provided in the table below: Commercial**

SL No.	ITEM DESCRIPTION	BL REQUIREMENT	VENDORS OFFER
1	Validity	60 days from <b>18.12.2018</b>	
2	Delivery	Delivery is expected <b>within 8 weeks</b> from date of drawing approval. However, vendor shall mention their earliest possible delivery period clearly.  Note: Vendor has to submit drawings for BL's approval within 7 days from the date of LOI/PO. BL will revert on approval with correction, if any within one week from receipt of drawing.	
3	Guarantee Period	18 months from the date of supply or 12 months from date of commissioning, whichever is earlier.	
5	Payment Terms (Also refer Cl.7 in tender document)	75% of basic with full duties and taxes: with 15 days credit from date of receipt and acceptance.  15% of basic on successful completion of commissioning or within 30 days from date of supply whichever is earlier.  Balance 10% of basic against PBG valid for one year extended further by 3 months Or after one year of retention period.	
6	Packing and Forwarding	To be included in the basic price	
7	Taxes & Duties		
a	GST (8 Digit HSN code of the tendered item)	To be Specified by Vendor	
b	GST rate %	To be Specified by Vendor	
8	Transit Insurance	To be arranged by vendor	
9	Transportation	To be arranged by vendor	
10	Unloading at BL site	By BL	
11	Erection of Control valves & cables	By BL	
12	Supervision, cable termination, commissioning , testing & Handing over	By Vendor. Charges if any shall be included in basic itself. <b>No additional cost will be paid extra.</b>	

**Seal & Signature of the Tenderer:**

**Vendor is requested to provide all the data in the table below, as applicable:**

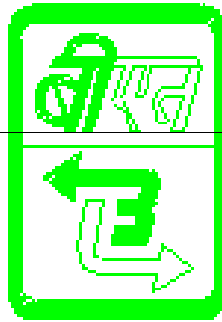
1.	Supplier Name	
2.	House No with address 1	
3.	Address 2	
4.	City	
5.	Postal code	
6.	State	
7.	Tel No	
8.	Mob No	
9.	Fax	
10.	Email	
11.	Industry Type*	Domestic / service vendor / MSME* / SSI* / trader / others (specify it)
12.	If MSME registered, provide UAM number	
13.	If MSME registered, under category SC/ST?	
14.	Contact Person	
15.	Inco terms	
16.	Taxes applicable	
17.	PAN no*	
18.	State code (as per GST)	
19.	GSTIN Registration number*	
20.	Proof of GSTIN Registration number per state (From GSTN website)*	
21.	Vendor's GSP name (GST Suvidha Provider's)	

**\* - relevant registration/certificate copies & statutory documents as per GST requirements shall be submitted.**

**Seal & Signature of the Tenderer:**

**DEVIATION SHEET**

<b>Clause No. of the Tender</b>	<b>Tender Requirements</b>	<b>Deviation</b>



*Seal & Signature of the Tenderer:*

**Proforma of the Guarantee  
(Bid Bond / Earnest Money Deposit)**

Lawrie & Co. Ltd.

..... (Name of the bidder) (hereinafter called "the Bidder") has submitted its bid for the  
..... (purpose) (hereinafter called "the Bid") against Tender reference No: ..... dated..... of M/S BALMER  
LAWRIE & CO. LTD. (Address- Local).

The conditions of Tender provide that the Bidder shall pay a sum of Rs..... (Rupees..... only)  
 (hereinafter called "the said amount") as full Earnest Money Deposit in the forms (herein mentioned. The forms  
 of payment of Earnest Money Deposit include guarantee to be executed by a Scheduled Bank.

The said ..... (name and address of the Bidder) have approached us and at their request and  
 in considerations of the premises we, ..... (Name of the Bank) having our office at ..... (address of the Bank)  
 have agreed to give such guarantee as herein after mentioned.

Know All Men by these presents We, ..... (name of the bank) of ..... (address of the bank) having our  
 office, inter alia, at ..... (hereinafter called "the Bank") are bound unto BALMER LAWRIE & CO. LTD.  
 ..... (address) (hereinafter called "the Purchaser") in the sum of Rs ..... (Rupees ..... only) for  
 which payment will truly be made to the Purchaser, the Bank binds itself, its successors and assigns by these  
 presents this ... day of ...., 1999.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the bid form;  
or
2. If the Bidder, having been notified of the acceptance of its bid by the Purchaser during the period of bid  
validity:
  - a) fails or refuses to execute the Contract Form if required; or
  - b) fails or refuses to furnish the Performance Security, in accordance with the instructions to  
Bidders.

We undertake to pay the Purchaser up to the said amount upon receipt of its first written demand, without the  
Purchaser having to substantiate their demand, provided that in their demand the Purchaser shall mention that  
the amount claimed by them is due owing to the occurrence of one or both of the two conditions.

This guarantee will remain in force upto ..... (date of expiry) including the ..... days after the period of the bid  
validity, and any demand in respect thereof should reach the Bank not later than the above date.

Notwithstanding anything contained herein:

- i) Our liability under the Bank Guarantee shall not exceed Rs. (Rupees.....only.)
- ii) This Bank Guarantee shall be valid upto.....
- iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if you  
serve upon us a written claim or demand on or before ..... (last date of validity)

We, ..... (name of the Bank) undertake not to revoke this guarantee  
during its currency except with your previous consent in writing.

We have power to issue this guarantee in your favour under our Memorandum and Articles of Association and  
the undersigned has full power to do and execute this Guarantee under the Power of Attorney dated ..... day  
of ..... , 1999 granted to him by the Bank.

Yours faithfully,

..... (Signature of Bank)

**Seal & Signature of the Tenderer:**