



## GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

H.O. & R. O.: 2, DurgaCharan Doctor Lane,

Kolkata - 700 014.

Ph No.(033)2265-0001/2/3, Fax033-22658537

(Under Health & Family Welfare Department)

### Tender Form : Two Bid System

Tender Ref.No –NIT/PT-23 /17-18 Dated: 25.09.2017.

Supply of Pharmaceutical Machineries as per Annex-1 .

Date & Time schedule:

Sl. No.	Particulars	Date & Time
01.	Date of uploading of NIT documents online (Publishing Date)	25.09.2017
02.	Documents download/sell start date (Online)	25.09.17 from 2.00 pm
03.	Documents download/sell end date (Online)	16.10.17 at 2.00 pm
04.	Bid submission start date (Online)	25.09.17 from 2.00 pm
05.	Bid submission closing (Online)	16.10.17 at 2.00 pm
06.	Bid opening date for technical proposals (Online)	18.10.17 at 2.00 pm
07.	Date of uploading list for technically qualified bidder (Online)	Will be uploaded after technical bid evaluation
08.	Date & place for opening of Financial proposal (Online)	Will be uploaded after technical bid evaluation
09.	Date of uploading of list of bidders along with the offer rates through online <hr/> Also if necessary for further negotiation through offline for final rate	Will be uploaded after opening of financial bid.



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Kolkata - 700 014.

**Ref. NIT/PT-23 /17-18 Dated 25.09.2017.**

Dear Sirs,

You are requested to submit your lowest offer through e-tendering system only as per guidelines given.

**The following conditions must be followed strictly**

1. The rates quoted should be FOR Gluconate Health Limited at our factory at 1, Health Institute Road, Dumdum Cantonment, Kolkata 700065 only.
2. The terms & conditions as enumerated in the enclosed Annexure-II shall be complied with while submitted the offer. The rates quoted without complying with the above terms and conditions shall not be considered.
3. Please quote rates for each item separately as per the format given.
4. GST must be clearly mentioned in terms of rate as well as amount, else the same will not be payable in the invoice.
5. Offers submitted with counter conditions will not be considered. The technical bids will be rejected if the terms and conditions of the tender are not compliance with.
6. The offers should be kept valid for a period of three months during which no price escalation at any ground will be considered.
7. Please mention the names of the quoted items in the **Check list** and submit along with NIT. (Statutory cover)

Managing Director

Gluconate Health Ltd.



ANNEX 1

## GLUCONATE HEALTH LIMITED

(A GOVT. OF WEST BENGAL UNDERTAKING)

H.O. & R. O.: 2, DurgaCharan Doctor Lane,

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Ph No.(033)2265-0001/2/3, Fax033-22658537

(Under Health & Family Welfare Department)

### Tender Form : Two Bid System

Tender Ref.No –NIT/PT-23 /17-18Dated 25.09.2017.

Requirement of Machinerics

Sl.no.	Name of the machine	Quantity	EMD (Rs.)
01	AIR SHOWER	01	50,000.00
02	TABLET DISSOLUTION TESTER	01	
03	Wet Oxidation Total Organic Carbon Analyzer	01	

Offer should be valid for a minimum period of 90 days during which no price escalation at any ground will be considered. Please note that Specification of Machines are attached separately.

Managing Director

Gluconate Health Ltd.



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### **Tender Form : Two Bid System**

Tender Ref.No —**NIT/PT-23 /17-18**Dated **25.09.2017**.

#### **CHECK LIST**

Sl.no.	Name of Items	Please mark(#) for quoted items
01	AIR SHOWER	
02	TABLET DISSOLUTION TESTER	
03	WET OXIDATION TOTAL ORGANIC CARBON ANALYZER	

Managing Director

Gluconate Health Ltd.

1. Necessary Earnest money will be deposited by the bidder electronically: online - through his net banking enabled bank account, maintained at any bank . Intending bidders will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective bank. For NEFT/RTGS, bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of payment of EMD.
2. In the event of e-filling, intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Technical Bid and Financial bid both will be submitted concurrently duly digitally signed. Tender document may be downloaded from website & submission of Technical Bid/Financial Bid as per tender time schedule stated. The documents submitted by the bidders should be properly indexed & digitally signed.
3. Both Technical document and Financial bid are to be submitted in technical ( Statutory& Non-statutory folder ) and financial folder concurrently duly digitally signed in the website <https://wbtenders.gov.in>. The Technical document and Financial Bid submission : as per table given.
4. The Financial offer of the prospective bidder will be considered only if the Technical Document (both Statutory and Non-statutory) of the bidder found qualified by the authority.
5. Eligibility criteria for participation in the tender :
  - i) The prospective bidders shall have satisfactorily completed minimum 3-5 orders for the quoted machinery during the last 3 (three) years from the date of issue of this Notice the similar nature of supplies.( Non statutory document)
  - ii) Bidder should submit work completion and satisfactory performance certificate of the quoted machineries from 3-5 users.( Non statutory document)
  - iii) Valid up to date Income Tax return. Copies of Pan Card/GST Registration Certificate/ Trade License are to be accompanied with the Technical documents ( Non statutory documents).
6. Inspection may be carried at user end by GHL to access the performance of quoted machineries from past users
7. Bidders have to specifically mention about comprehensive warranty of the quoted machineries.
8. Bids shall remain valid for a period not less than 90 (ninety) days after the deadline date for Financial Bid submission. Bid valid for a shorter period shall be rejected by the GHL authority as non-responsive. If the bidder withdraws the bid during the period of bid validity, the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.
9. Earnest Money : As mentioned in the table.
10. Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in ‘Instruction to Bidders’ before tendering the Bids.
11. Conditional/Incomplete tender will not be accepted under any circumstances.
12. The intending bidders are required to quote the rate on line as per the format given.

13. Location of Critical Event :

Bid Opening : Online opening: At the Head Office of Gluconate Health Ltd at 2, Durgacharan Doctor Lane Kolkata -700014.

14. Qualification criteria : The tender inviting & Accepting Authority will determine the eligibility of each bidder, the bidders shall have to meet all the minimum criteria regarding :

a. Financial Capacity\Technical Capacity.

b. Experience/Credential

i) The eligibility of a bidder will be ascertained on the basis of the digitally signed documents in support of the minimum criteria as mentioned above. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder will be out rightly rejected at any stage without any prejudice.

13. Before issuance of the ORDER, the tender inviting authority may verify the credential and other documents of the lowest bidder if necessary. After verification if it is found that the documents submitted by the lowest bidder is either manufactured or false in that case order will not be issued in favour of the said bidder under any circumstances and the Earnest Money deposited by the bidder will be forfeited by the Tender Inviting Authority without assigning any reason thereof.

Managing Director  
Gluconate Health Ltd.



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**ANNEXURE -I I**

**Ref. NIT/PT-23 /17-18 Dated 25.09.2017.**

### **TERMS & CONDITIONS**

1. The rate should be quoted as free delivery at our works at Gluconate Health Limited, 1, Health Institute Road, Dum Dum Cantonment, Kolkata 700065 exclusive of GST . The rate (percentage) and amount of GST should be clearly indicated, otherwise, tender is liable to ignored.
2. **It is not binding on the purchaser to place order on the lowest or any other tenderer against this enquiry. GHL reserves the right to cancel the tender without showing any reason.**
3. The manufacturer's name on the machines along with specification, capacity, expiry gross& tare weight etc. should clearly be depicted .
4. The offer shall be kept valid for a period of minimum 90days from the date of opening of tenders. Tenders not giving the required validity period may be rejected at the discretion of purchaser.
5. For the rates quoted as F.O.R. GHL factory, all the expenses like packing, forwarding, insurance, cartage and freight etc. are to be borne by the supplier.
6. The delivery period shall be the essence of the order. The supplier has to adhere to the delivery schedule as per order, failing which they will have to pay liquidated damages/penalties. Declaration should be submitted for confirmation of capability and time bound execution for supply.
7. OPENING: As mentioned , through on line system only.

8. **RISK PURCHASE :**Non-supply or failure to supply the material within the delivery period shall cause risk purchase by the purchaser. Failure to supply of materials as per delivery schedule shall be at the risk and cost of supplier. In such events, the purchaser would procure the machines from alternate source and the additional cost incurred (if any) will be recovered from the defaulter/supplier.However no financial advantage shall be passed on to the supplier if goods are purchased at lower rates and amount of END will be forfeited.

9. **PAYMENT TERMS:**Usually payment is made after satisfactory installation provided Bank Gurantee for 10% value of the machine(Having validity for one year) is given by the supplier.However payment terms offered by the tenderer being otherwise different then the above shall be subject to the acceptance by the company.

10.**Perfomance Guarantee :**The supplier shall have to submit performance guarantee @ 10% of the value of the quoted machines for smooth function foa a period of minimum one year.

11.**ARBITRATION:** All disputes arising out of this order shall be referred to an arbitrator to be nominated by the Managing Director, GHL. The award of the arbitrator shall be final and binding on both the parties.

12. **LEGAL PROCEEDINGS:** All disputes and legal proceedings arising out of this Tender shall be lodged and admissible in Kolkata Courts only and not outside Kolkata.

13. **PRICE ESCALATION:** The price escalation clause shall not be acceptable.

14. **MATERIAL PACKING:** Suppliers must ensure that the materials should strictly conform with the specifications, tests, and sizes etc. mentioned in the purchase order. The material should be properly packed so as to avoid loss, damage, and other hazards of transportation.

15. **ACCEPTANCE OF PURCHASE ORDER:** Purchase Orders shall be sent by Courier, by e-mail or by Fax. The supplier should ensure to send the acknowledgment of receipt of purchase order. The unconditional confirmations of receipt of purchase order may be mailed/faxed. In case no acknowledgement is received within 2 days, it will be assumed that the order is duly accepted by the supplier.

16. **TRANSPORTATION:** Materials should be transported preferably by any Bank approved carrier, or transporter having its godown at Kolkata.

17.**DESPATCH ADVICE & DOCUMENTS:** As soon as the consignment is delivered to the transporter a copy of consignment note, challan, delivery No. etc. indication the order No. and date should be sent, immediately to Gluconate Health Ltd.

18. **INVOICE / BILL :**

(i) GST Invoice/Bill should be duly signed, clearly marked and properly made with regard to description, specifications and quantity of goods.

(ii) GST Regn. No. should be printed on the Invoice/Bill, Failing which no GST will be paid.

(iii) Invoice/Bill must indicate the Number and date of consignment note or challan, including the name of carrier.

(iv) A copy of Purchase Order must be attached with the invoice/Bill for smooth processing of the invoice/bill.

(v) Purchase Order No. and date should invariably be quoted by the supplier in all correspondence relating to supplies.

18. **TEST CERTIFICATES:** Test, guarantee, Warranty, Performance credential, or any other documents specification or description of goods should invariably be sent along with the dispatch documents. Payments are liable to be with-held incase of non-compliance. Supplier has to arrange Documentation, Installation & Maintenance Manual, Warranty certificates, Manuals, Spare parts list, Design qualification, Installation qualification, Operational qualification, Performance qualification as per schedule M GMP Norms

19. **DAMAGE, SHORTAGE:** Damage/Shortage, if any, notified by the consignee will be reported to the supplier within a reasonable period. The suppliers shall be bound to arrange prompt replacement/rectification on receipt of such intimation.

20. **Penalty:** Penalty will be imposed for delayed delivery @ 0.5% per day and as per the clauses of the Purchase Order.

21. **REJECTION & REMOVAL OF GOODS :** The declaration of rejection of goods by our

Inspecting Officer shall be final and binding and shall be intimated to the supplier within fifteen days of the receipt of material. The rejected goods are to be removed by the supplier at his own risk and cost within a period of one week from the date of rejection intimation received by them.

23. EMD will be returned to the unsuccessful supplier after completion of evaluation. For successful suppliers, EMD will be returned after completion of the contract period

24. Documentary evidences are to be submitted establishing the Bidder's qualification to perform the contract if the bid is accepted.

Managing Director

Gluconate Health Ltd.

ABOVE TERMS ARE ACCEPTED

(Signature of Tenderer/Supplier with stamp)

## SECTION A

### INSTRUCTION TO BIDDERS

General guidance for e-Tendering :

Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

1. Registration of Contractor :

Any agency willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system; through logging on to <https://wbtenders.gov.in> , the Bidder is to click on the link for e-Tendering site as given on the web portal.

2. Digital Signature Certificate (DSC):

Each Bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. The Bidder can search & download NIT & Tender Document(s) electronically from computer once he logs on to the website using the Digital Signature Certificate. This is the only mode of collection of tender Documents.

3. Participation :

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm.

4. Submission of Tenders :

Tenders are to be submitted through online to the website in two folders at a time for each work, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats). Bidders eligible for exemption of EMD as per Govt. rule may avail the same and necessary documents regarding the exemption of EMD must be uploaded

5. Technical Proposal :

The Technical proposal should contain scanned copies of the following in two covers (folders) :

Statutory Cover Containing the following documents :

- a) NIT along with terms and conditions (download properly and upload the same with signature and stamp). **Pages 1 to 9**
- b) Check List.

c) Non-Statutory Cover containing the following documents :

- (i) Registration Certificate under Company Act, (If any).
- (ii) Valid up to date Income Tax return/Pan Card/GST Registration Certificate/ Trade License.
- (iii) For prospective bidders should submit work completion & satisfactory performance certificate of the quoted machineries from 3-5 users during the last 3 (three) years prior to the date of issue of this NIT.
- (iv) Declaration (Ref:- As per format shown in Section-B)

N.B. : Failure of submission of any of the above mentioned documents as stated above will render the bidder liable to be rejected for both statutory and non statutory cover.

The above stated Non Statutory / Technical Documents should be arranged in the following manner :

Click the check boxes beside the necessary documents in the My Document list and then click the tab “Submit Non Statutory documents’ to send the selected documents to Non- Statutory folder.

S.No.	Category	Sub Category	Sub Category Description	Format /File
1	CERTIFICATES	CERTIFICATES	GST REGISTRATION CERTIFICATE ALONG WITH LAST RETURN ACKNOWLEDGEMENT, PAN LATEST I.T ACKNOWLEDGEMNT, P TAX, Turnover certificate.	
2	COMPANY DETAILS	COMPANY DETAIL 1	TRADE LICENSE, COMPANY REGISTRATION CERTIFICATE	
3	CREDENTIAL	CREDENTIAL 1	COMPLETION CERTIFICATES	
4	DECLARATION	DECLARATION FILE 1	SECTION -B	

1. Tender Evaluation Committee (TEC)

Evaluation Committee constituted as Purchase Officer, Accounts Officer, Quality Assurance Manager will function as Evaluation Committee for selection of technically qualified contractors.

2. Exempted from EMD :

If any contractor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

3. Opening of Technical Proposal :

Technical proposals will be opened by the Managing Director, Purchase officer, electronically from the website using their Digital Signature Certificate (DSC).

4. Intending bidders may remain present if they so desire.

5. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents, the tender will summarily be rejected.

6. Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender Evaluation Committee.

7. Summary list of technically qualified bidders will be uploaded on line.

8. Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible bidders and the items for which their proposal will be considered will be uploaded in the web portals.

9. During evaluation the committee may summon of the bidders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

10. Financial Proposal

(i) The financial proposal should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ). The bidder is to quote the rate on line through computer in the space marked for quoting rate in the BOQ.

- (ii) PRICE BID .
- (iii) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.
- (iv) Penalty for suppression / distortion of facts :  
If any bidder fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the bidder and action may be referred to the appropriate authority for prosecution as per relevant IT Act.
- (v) Rejection of Bid :  
The company reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Purchase Order without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's action.
- (vi) Award of Purchase Order:  
The Bidder who's Bid has been accepted will be awarded the Purchase Order in specific format of the Company and will be notified accordingly.

**Managing Director**

**SECTION -B**

**DECLARATION**

**(To be furnished in The Company letter head duly signed by authorized person of the company)**

1. I, the under-signed do certify that all the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection / claim will be raised by the under-signed.
2. The under-signed also hereby certifies that neither our firm M/s.....  
nor any of constituent partner had been debarred to participate in tender by the Gluconate Heath Limited during the last 3 (three) years prior to the date of this NIT.
3. The under-signed would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and / or as requested by the Company to verify this statement.
4. The under-signed understands that further qualifying information may be requested and agrees to furnish any such information at the request of the Company.

-----  
Signed by an authorized officer of the firm

-----  
Name of the Firm with Seal

Date :

**PRICE BID**

(TO BE FURNISHED IN THE COMPANY LETTER HEAD DULY SIGNED BY AN AUTHORISED PERSON OF THE COMPANY)

Ref. **NIT/PT-23 /17-18**Dated **25.09.2017**.

**FORMAT FOR QUOTATION**

1. Name of item -----

2. Basic Rate -----

3. GST -----

4. Total -----

5. Name of the manufacturer -----

6. Other Details if any -----

Authorized Signatory with stamp



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(Under Health & Family Welfare Department)

### Specification of Air Shower

'klean Air Shower' is designed to supply Class 100 HEPA filtered air at high velocity to remove particulate matter from the person entering into the clean room. Air shower works as partial clean equipment installed at the partition between the clean room and non-clean rooms to shower the personnel or matters before entering the clean area. This unit helps to remove dust effectively and maintains the normal working status.

<b>Supply filter</b>	Imported Minipleat HEPA filter with hot melt technology, which conforms to EU-14 Grade at supply position with an efficiency rating better than 99.999% for 0.3 $\mu$ .
<b>Pre-filter</b>	Pre-filter are made from non-woven synthetic with HDPE mesh; conforms to EU 6 Grade, with an efficiency rating better than 95% down to 5 $\mu$ .
<b>Motor blower assembly</b>	Motor blower designed of statically and dynamically balanced for supply of sufficient capacity and static pressure to take care of airflow requirement for entire life of HEPA.
<b>Differential pressure gauge</b>	Dwyer Make Magnehelic Gauge (0 -25 mm: 1 No.) to monitor pressure drop across HEPA.
<b>Lighting</b>	Fluorescent Light (250 Lux) at work surface
<b>ON/OFF Switches</b>	ON/OFF Switches for motor & lights
<b>Switch socket</b>	6/15 amp single-phase switch socket use for external equipment
<b>Control System</b>	Interlocking system to ensure that both the doors cannot open at the same time & to ensure that both the doors will be locked during the time air flow is on.
<b>Time setting for Air shower</b>	Time setting for air shower operation time (settable for 30 seconds to 5 minutes)
<b>Emergency</b>	Emergency Stop
<b>Door opening</b>	Straight entry – Straight exit and 90 degree door opening.
<b>Operation mode</b>	Automatic as well as manual mode
<b>DOP Port</b>	DOP test port at upstream of HEPA filter to personnel for carrying out the HEPA filter integrity test (With PAO solution).
<b>Suitable Person</b>	Single person with side blower
<b>Door</b>	SS 304 doors with double walled flush glass view panels and door closer
<b>Electrical supply:</b>	230V AC 1- $\emptyset$ 50Hz / 415V AC 3- $\emptyset$ 50Hz
<b>Noise Level</b>	Less than 67 dB on scale 'A' when ambient is not greater than 55 dB on scale 'A'
<b>Velocity</b>	18-25mps
<b>Vibration Level</b>	Minimum



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(Under Health & Family Welfare Department )

### Specification of TABLET DISSOLUTION TESTER

#### PROGRAMMABLE TABLET DISSOLUTION TESTER

LCD Display and following features:-

- i. Totally Microprocessor control programmable Tablet Dissolution Tester with accessories for automatic sampling.
- ii. 8 basket facility and 8 baskets (USP/BP/IP)
- iii. 8 snap fit paddle system and 8 No. Paddle(USP/BP/IP)
- iv. Power failure backup system.
- v. Off-line sampling system.
- vi. Vibration free smooth electrical lifting system.
- vii. Auto calibration of temperature.
- viii. Audio-Visual status and error indication system.
- ix. Temperature range: 30 - 40 deg.C  $\pm$  0.2 deg.C
- x. Two temperature-sensing probes - One inside the bath control as per set value and the other to monitor vessel temp.
- xi. Fraction collector for 9x6 sample with rising facilities.
- xii. SS tip full flow filter: 6 filters of 15 pore size.
- xiii. Water circulating pump is housed outside for water circulating inside water bath.
- xiv. **Volume range 1.0 to 25.0 ml.**
- xv. Speed control 25 to 200 RPM
- xvi. Sampling interval 1 min -23 Hrs 59 min  
Bath water requirement-27 Ltr

Display:20 X 4 character LCD

- xvii. Vial amber colour 15ml x72
- xviii. **Tube Teflon (Peristaltic Pump tube not suitable for methanol)**
- xix. Tablet Dispensing Device,
- xx. SS Filter 15u
- xxi. 12 Programmable Memory (Can save 12 method)
- xxii. Printing facility (can print direct from machine by LX 300 printer)

#### SALIENT FEATURES: (FOR TDT-08L)

- ❖ LCD DISPLAY (20 X 4 Lines)
- ❖ Menu Driven Software with ON-LINE Help.
- ❖ 8 Paddle System
- ❖ Snap-Fit Paddles
- ❖ Precise Individual Vessel Centering system
- ❖ Sturdy bath top plate with clear moulded bath.
- ❖ Real time clock (with Y2K Compliance)
- ❖ Temperature control wake up (Heater turns on at preset clock time)
- ❖ 16 Programmable sample intervals & 20 programmable monographs
- ❖ Validations print out with summary of test.
- ❖ Power failure recovery.

- ❖ On-Line/Off-line sampling facility
- ❖ Volume adjustable from 1 to 99 ml.
- ❖ Vibration free, smooth electrical lift movement
- ❖ Auto calibration of temperature
- ❖ Reduces Routine Validation
- ❖ Audio-Visual status and error indication
- ❖ On-line validation of RPM.
- ❖ Instrument levelling system.

OFF LINE SAMPLING ACCESSORIES.

- a) SAMPLING PERISTALTIC PUMP: 12 Channel Peristaltic Pump for sample Transfer on Dissolution Bath, Planetary Drive design for smooth flow. Bi-Directional TTL Actuated Operation for Pumping & Purging. Flow rate 25ml/min. Include Adjustable Pump cartridges. Sample Volume accuracy:  $\pm 0.5$  ml
- b) PERISTALTIC PUMP TUBING (SET OF 12)
- c) PTFE CARRIER TUBING:  
(From Sampling Probe to Fraction Collector Nozzel)  
  
(Set of 12 Pieces)
- d) MOTORIZED SAMPLING MANIFOLD: Wherein user define different media volumes like 500 ml, 750 ml, 900 ml, 1000 ml as well as the apparatus type such as Basket, Paddle 25, Paddle with disc, Transdermal 1, Transdermal 2, Paddle with 45 mm height etc. so that the sampling probe automatically goes in the sampling zone only at predefined sampling intervals, withdraw sample and comes out of media. No turbulence created to the agitation properties.
- e) FRACTION COLLECTOR:  
To collect 6 x 12 total samples.
- f) SS. TIP FULL FLOW FILTERS:  
Optimises filter Life by Providing Increased Surface Area.

FILTER - 15 - MICRON (SET OF 6)



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(Under Health & Family Welfare Department)

### Specification of Wet Oxidation Total Organic Carbon Analyzer

Wide operational range (2 ppb–30,000 ppm)

- Supports TC/TIC/TOC/NPOC analysis techniques and standard measurements
- Parallel reaction chamber option available for high- throughput concurrent sample processing
- Upgradeable allowing performance of combustion and heated sodium per sulfate TOC analysis techniques on a single instrument
- Laboratory and at-line configurations available for process Monitoring

#### TECHNICAL SPECIFICATIONS :

Method compliance	: USEPA, CEN, USP, EUP, ASTM, ISO, STD methods
Measurement range	: (ppm) 2 ppb C–30,000 ppm C
Method TC	: Acid and persulfate reaction
Method TIC	: Acidification with phosphoric acid and sparging
Method TOC	: NPOC by heated persulfate oxidation or TC–TIC
Heating	: Adjustable to 100 °C in 1 °C Increments
Analysis time	: From three minutes
Oxidation technique	: Wet chemistry heated persulfate, liquid samples
Options available	: EFC, ATOC data management graphic software, Windows® brand PC software
Particulate handling	: Up to 750 µm
High salt tolerance	: Up to 26%
Reproducibility	: 1.5% or 2 ppb, whichever is greater
Linearity	: ±1% FS or 2% relative, whichever is greater
Calibration stability	: 30+ days verifiable with programmable auto-validation (application dependent)

Sample pathway : Color coded Teflon® with automatic cleaning in all injection modes

Sample injection : Manual syringe, sipper, autosampler, or on-line.

Sample handling : Automatic syringe with an isolation loop to prevent contamination

Sample injection volume : 10 µL–10 mL

IC pretreatment : Available with autosampler (optional)

Certifications : CE, EMC: EN 61326 /

Safety : IEC 61010-1: 2001

Operation mode : Standalone (Windows CE) or networked via PC software (Windows 2000 Pro or XP Pro)

Operating interface : Touchscreen LCD or Windows PC (optional)

Basic software : Single instrument operation and simple data transfer to PC

ATOC Software : Network LAN/LIMS operation, data management, custom reports, 21 CFR 11 compliance

PC specifications : (optional) Pentium® 4, 512 MB RAM, 40GB (1 GB HD for TOC), 1024 x 768, CD-ROM

Reagent purge : Yes