

# **Offline- Open Tender NATIONAL TENDER ENQUIRY DOCUMENT**

**FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING  
OF MEDICAL EQUIPMENTS**

For & on behalf of  
**FOR**

**KALPANA CHAWLA GOVT. MEDICAL  
COLLEGE, KARNAL**

**Tender Enquiry Document No.:**  
**HSCC/KCGMC/Medical Equipment/offline/2017/1**  
**Dated 16.01.2017**

**BY**



**HSCC (INDIA) LTD**

**(A GOVERNMENT OF INDIA ENTERPRISE)**

**Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) - 201 301**

**PHONE: 0120-2540153**

**FAX: 0120-2542447**

# KALPANA CHAWLA GOVT. MEDICAL COLLEGE, KARNAL, HARYANA

GOVT OF HARYANA

HSCC/KCGMC/Medical Equipment/offline/2017/1

Dated 16.01.2017

## NOTICE INVITING TENDERS (NIT) - Offline

HSCC (India) Ltd. for and on behalf of Director General, Medical Education & Research, Panchkula, Govt. of Haryana invites **offline bids** from eligible bidders, in single stage two bid system for Supply, Installation, Testing, Commissioning & Handing-over of various **Medical Equipments for Kalpana Chawla Govt. Medical College, Karnal, Haryana:**

S. No.	Name of the Item	Qty	Department	EMD ( In INR)
1.	Ophthalmoscope	15	Ophthalmology	7500
2.	Retinoscope	3	Ophthalmology	3600
3.	Spirometer	1	Pulmonary Medicine	5000
4.	Impedance Audiometer	1	ENT	10000

Sl. No.	Description	Schedule
i.	On line sale of tender enquiry documents	<b>16.01.2017 to 30.01.2017</b> upto 15:30 hrs
ii.	Place of sale of Tender Enquiry Documents	HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, Noida (U.P)-201301
iii.	Cost of the Tender Enquiry Document	INR 500/-
iv.	Pre Tender Meeting Date & Time	<b>22.01.2017</b> , 11:00 hrs. IST
v.	Pre Tender Meeting Venue	Same as (ii) above
vi.	Closing date & time for receipt of Tender	<b>30.01.2017</b> , 16:00 hrs IST
vii.	Time and date of opening of Techno – Commercial tenders	<b>30.01.2017</b> , 16:30 hrs IST
viii.	Venue of Opening of Techno Commercial Tender	Same as sr no. (ii) above

- TE Document fee Rs. **500/-** would be set in the form of account payee Demand Draft/Pay Order/Cashier's Cheque/Banker's Cheque drawn on a scheduled Bank in India/ cash in favour of "**HSCC (India) Ltd**" payable at New Delhi/ Noida.

2. Bidder shall download the TE documents from the web site <http://eprocure.gov.in/cppp>, [www.hsccltd.com](http://www.hsccltd.com), and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 1 above.
3. All prospective bidders may attend the Pre Tender meeting. The venue, date and time indicated above.
4. Bidder shall ensure that their bid, complete in all respects, are dropped in the Tender Box located at **HSCC (India) Ltd, Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.) – 201 301** on or before the closing date and time, failing which the bid will be treated as late and rejected.
5. In the event of any of the above mentioned dates being declared as a holiday / closed day for the purchase organisation, the tenders will be sold/received/opened on the next working day at the appointed time.
6. The TE Document is not transferable.
7. **Bidder qualification Criteria:** Bidder should have turnover **Rs. 25 lakhs** per annum during last three financial years (i.e. 2013-14, 2014-15 & 2015-16)

7. Sealing of bid:

**Envelop I: a. Bid Security (EMD)/ Registration certificate for the item quoted issued by NSIC/ DGS&D for exemption of EMD and bid document fee**

**b. Tender Document fee @ Rs. 500/-**

**Envelop II: a. Tender Form duly filled and signed, failing which bid would be rejected**

**b. Turnover certificate during last three financial years (i.e. 2013-14, 2014-15 & 2015-16 certified by Chartered Accountant.**

**c. Technical compliance sheet with technical leaflets**

**Envelop III: Price Bid /Financial Bid**

These above envelopes I, II & III shall be further sealed in one outer envelope super scribing name of item, item no. and TE document No. ....

**9. Rejection of bid:**

- If EMD & tender document fee / **Registration certificate for the item quoted issued by NSIC/ DGS&D for exemption of EMD and bid document fee**, as mentioned in the tender document not found in envelop-I, their bid will be rejected and Envelop –II & III will not open by the committee.

**CHIEF GENERAL MANAGER HSCC (I) Ltd.  
For & on behalf of DGMER, Panchkula.**

**Terms & conditions:-**

1. **Period of Validity:** A bid shall remain valid for **120 days** from the date of opening of bid.
2. **EMD:** Tenderer shall furnish along with its tender, earnest money for amount as shown in the NIT. The earnest money shall be furnished in one of the following forms:
  - i) Account Payee Demand Draft
  - ii) Banker's cheque and
  - iii) Bank Guarantee

The demand draft or banker's cheque shall be drawn on any commercial bank in India or country of the tenderer, in favour of the "HSCC (India) Ltd" payable at New Delhi/Noida. In case of bank guarantee, the same is to be provided from any commercial bank in India (as per the format in tender enquiry document). EMD to be valid for 165 days from the initial date of opening of the bid.

The tenderer who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation, New Delhi for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details in its bid (with DGS&D or NSIC, as the case may be)

3. **Rate:** (a) The Prices should be quoted in Indian Rupees only. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. All duties, taxes and other levies payable by the contractor under the contract shall be included in the quoted price. The rate quoted must be inclusive of Excise Duty, Packing & Forwarding charges, Sales Tax, Freight charges and Insurance charges.  
(b) CMC price has to be quoted as per the format given in the bid.
  4. **Sales Tax/ Vat:** Should be mentioned on price format.
  5. **Evaluation:** The tenderers will be evaluated and compared separately for each item. The tenderer has to quote for the complete requirement given under the item. Comparison of the responsive tenders shall be carried out on all inclusive quoted price at Consignee site basis, inclusive of applicable taxes, duties, incidental services. The quoted CMC prices will also be added for comparison & ranking purpose for evaluation.
  6. The bid submitted by MSME bidders shall be dealt as per the prevailing laws
  7. **Name of Consignee:** The Director  
Kalpana Chawla Govt. Medical College,  
KARNAL (Haryana)
- Name of the Purchaser : Director General, Medical Education & Research, Panchkula,  
Govt. of Haryana
- Name of the Consultant: HSCC( I ) Ltd. Plot No. 6-A, Block-E, Sector-1, NOIDA (U.P.)

8. **Delivery Period: 21 days from date of Notification of Award/Purchaser order at consignee site.** The date of delivery will be the date of delivery at consignee site.
9. **Installation and commissioning:** Installation and commissioning shall be done **within 7 days** of receipt of the stores/ goods at site or within two weeks of handing over the site for installation, whichever is later.
10. **Despatch Clearance:** No goods shall be despatched before issue of Despatch note issued by HSCC/KCGMC, failing which entire responsibility shall rest on the supplier.
11. **Warranty:** Warranty of equipments will be two years (on site) from date of commissioning & handing over to KCGMC/ Client.
12. **Performance Security:** Within fifteen (15) days from date of the issue of notification of award by the Purchaser/Consignee, the supplier, shall furnish performance security (as per the format in tender enquiry document) to the Purchaser/Consignee for an amount equal to ten percent (10%) of the total value of the contract, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations, initially valid for a period of minimum 26 months (as applicable warranty period of 2 years) from the date of Notification of Award.
13. The Notification of Award/Purchaser order Constitutes the formation of legal binding contract between the parties, scope of supply will be governed by the technical specifications & other terms & conditions of the aforesaid Tender Enquiry document and its amendments /corrigendum ( if any) issued.
14. The Time take on the part of HSCC / KCGMC / on account of despatch clearance will not be counted for delivery period /installation period.

**15. Payment Terms:**

- (i) 80% payment on submission of following document:-
  - Copy of Purchase order.
  - Consignee receipt in original issued by KCGMC/HSCC.
  - Invoice in favour of consignee through HSCC for 80% claim
  - Warranty Certificate.
- (ii) 20% payment on submission of following documents:
  - Copy of Purchase order.
  - Copy Consignee receipt issued by KCGMC/ Client.
  - Installation & commissioning or final acceptance certificate issued by KCGMC/HSCC.
  - Invoice in favour of consignee through HSCC for 20% claim.
16. Supply shall be accepted only after inspection and approval by the concerned authority at KCGMC.
17. **Liquidated Damage:** If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, the Purchaser/Consignee shall, without prejudice to other rights and remedies available to the Purchaser/Consignee under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price. Once the maximum is reached Purchaser/Consignee may consider termination of the contract.
18. **Insurance:** The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the following manner:

The supplier shall be responsible till the entire stores contracted for arrival in good condition at destination. The transit risk in this respect shall be covered by the Supplier by getting the stores duly insured for an amount equal to 110% of the value of the goods from ware house to ware house (consignee site) on all risk basis. The insurance cover shall be obtained by the Supplier and should be valid till 3 months after the receipt of goods by the Consignee.

#### 19. Termination of Contract

19.1 The Purchaser/Consignee, without prejudice to any other contractual rights and remedies available to it (the Purchaser/Consignee), may, by written notice terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the Purchaser/Consignee

19.2 In the event of the Purchaser/Consignee terminates the contract in whole or in part, pursuant to sub-clause 19.1 above, the Purchaser/Consignee may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the Purchaser/Consignee for the extra expenditure, if any, incurred by the Purchaser/Consignee for arranging such procurement.

Unless otherwise instructed by the Purchaser/Consignee, the supplier shall continue to perform the contract to the extent not terminated.

#### 20. Resolution of disputes

20.1 If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

20.2 If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, such dispute or difference shall be referred to the sole arbitrator appointed by **Director General Medical Education and Research, Govt. Of Haryana, Panchkula**. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award

20.3 Venue/seat of Arbitration: The venue of arbitration shall be at New Delhi, India.

#### 21. Applicable Law and Jurisdiction

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. The contract shall be subject to the jurisdiction of Delhi court to the exclusion of all other courts.

#### 22. Delivery/Delay in the supplier's performance

22.1 The supplier shall deliver of the goods and perform the services under the contract within the time schedule specified in the documents. The time for and the date of delivery of the goods stipulated in the schedule shall be deemed to be of the essence of the contract and the delivery must be completed not later than the date (s) as specified in the contract.

22.2 Any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following actions:

- (i) imposition of liquidated damages,
- (ii) forfeiture of its performance security and
- (iii) termination of the contract for default.

- 23 The bid submitted by the bidder should be accompanied with Power of Attorney in favour of signatory of TE documents.
- 24 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

## TENDER FORM

Date:

To,

Chief General Manager, HSCC  
For & on Behalf of Director General Medical Education & Research (DGMER),  
Govt. Of Haryana,  
Panchkula

**Ref. TE document no.**

**Item no:-**

We, the undersigned have examined the above mentioned TE document, including all amendment/corrigendum issued the receipt of which is hereby confirmed. We now offer to supply and deliver, installation, commissioning \_\_\_\_\_ (*Description of goods and services*) in conformity with your above referred document terms for the sum of \_\_\_ (**NOT TO MENTION ANY PRICE DURING SUBMISSION IN TECHNICAL OFFER**) \_\_\_\_\_ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of tender condition clause 12, for due performance of the contract.

We agree to keep our tender valid for acceptance as required in the tender clause condition 1, or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum if any

We are fully agreed all the terms and conditions of TE document including amendment/ corrigendum /technical specification issued before opening of bid. In case, anywhere any conditional terms found in our bid, the same shall be treated as deleted/cancelled/ withdrawn from our bid. Whenever there is a conflict, the acceptance of all terms and conditions of TE document in the tender form shall prevail only.

**(Signature with date)**

**(Name and designation) Duly authorised to sign tender for and on behalf of**



## Price Bid

**Item no:**

Name of item

Sr no.	Description of Goods	Make	Model no.	Qty.	Unit Price Rs.	Rate of VAT/Sales Tax e % added in Unit price	Total Amount Rs.
1.							

Amount in words: \_\_\_\_\_

Note: 1. Sales tax/VAT should be mentioned separately.

2. Unit price shall include all packing & forwarding, freight, insurance charges from ware house to consignee, local tax, duties, two year warranty, VAT/ taxes and other levies payable by the supplier under the contract.

**Authorised Signatory**  
**Name of the Company with Address**

### PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT AFTER WARRANTY PERIOD

1	2	3	4					5
Item no.	BRIEF DESCRIPTION OF GOODS	QUANTITY. (Nos.)	Annual Comprehensive Maintenance Contract Cost for Each Unit year wise* (Inclusive of service tax ) INR					Total Annual Comprehensive Maintenance Contract Cost for 5 Years [3 x (4a+4b+4c+4d+4e)] (Inclusive of service tax) INR
			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	
			a	b	c	d	e	

**\* After completion of warranty period**

**Authorised Signatory**  
**Name of the Company with Address**

**BANK GUARANTEE FORM FOR EMD**

**To**  
**HSCC I Ltd.**  
**E-6A, Sector-1, Noida -201301**

Whereas \_\_\_\_\_ (hereinafter called the "Tenderer") has submitted its quotation dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the "tender") against the purchaser's tender enquiry No. \_\_\_\_\_  
Know all persons by these presents that we \_\_\_\_\_ of \_\_\_\_\_ (Hereinafter called the "Bank") having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the "Purchaser) in the sum of \_\_\_\_\_ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_. The conditions of this obligation are:

(1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

(2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

- a) fails or refuses to furnish the performance security for the due performance of the contract.
- or
- b) fails or refuses to accept/execute the contract.
- or
- c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

\_\_\_\_\_  
(Signature of the authorised officer of the Bank)

\_\_\_\_\_  
Name and designation of the officer

\_\_\_\_\_  
Seal, name & address of the Bank and address of the Branch



**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC\* SECURITY**

To  
Chief General Manager, HSCC I Ltd., E-6A, Sector-1, Noida  
For & on Behalf of Director General Medical Education & Research (DGMER),  
Govt. Of Haryana,  
Panchkula

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called "the supplier") has undertaken, in pursuance of contract no. \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. \_\_\_\_\_ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to 26 months from the date of Notification of Award i.e. up to ----- (indicate date)

**For CMC the BG shall be addressed to the Consignee**

.....  
(Signature with date of the authorised officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

## Technical Specification of Equipment

### **Item No. 1 Ophthalmoscope**

1. Turret Type
2. Illumination: 3.5V, 2.8W Mini Halogen Bulb
3. Recharging unit: Input Voltage: 220V  $\pm$  10%V
4. Input Frequency should be 50 Hz  $\pm$  1Hz
5. Input Power should be around 8VA
6. Battery should be rechargeable
7. Viewing Lenses: 0,  $\pm$ 1,  $\pm$ 2,  $\pm$ 3,  $\pm$ 4,  $\pm$ 5,  $\pm$ 6,  $\pm$ 8,  $\pm$ 10,  $\pm$ 12,  $\pm$ 16,  $\pm$ 20, -25, -35
8. Apertures: Large Spot, Small Spot, Slit, Central Net, and Red-free.
9. Very good optical system co-axial optics.
10. Original carrying case.
11. 2 spare bulbs.
12. Warranty 2 years

The product should be European CE or US FDA Certified

### **Item No. 2 Streak retinoscope**

Technical Specifications:

1. Should have an external focusing sleeve which is easy to grip and manipulate.
2. Should have crossed- linear polarizing filter.
3. Should allow one - hand operation for streak focus and 360<sup>o</sup> streak rotation.
4. Should be interchangeable to plane mirror and concave mirror mode by sleeve movement.
5. Should use halogen streak lamp 3.5V.
6. Should have 100% dust proof housing and multi-coated optics.
7. Should have detachable brow rest for spectacle wearer
8. Should be rechargeable battery operated.
9. Should have a carrying case.
10. Simple one hand operation for streak focus & 360degree rotation.
11. 2 years warranty

**Item No. 3 Spiro meter**

- The unit should be compact, portable, with a built in carrying handle convenient for Ward rounds and on site patient screening.
- The unit should Menu driven and operate on 220V AC with inbuilt battery back up.
- The unit should incorporate a Fleisch type pneumotach autoclavable sensor with no moving Parts.
- Should have built in storage up to many thousands of patients with their life time data for individual or batch printing.
- The unit should incorporate with large touch screen displays with easy to follow instructions, flow/volume & volume/time graph, post test, incentive display and an inbuilt printer.
- The unit should have facility to direct connectivity to PC and able to transfer the data from unit to PC and printout facility through external printer.
- The unit should perform single breath test, VC, and closed circuit spirometry.
- The unit should measure the following parameter : VC, FVC, FEV.5, FEV.5%, FEV1, FEV1/VC%, FEV1/FVC%, FEV/PEF, FEV3, PEF, FEF25-75, FEF25-75%, FEF25%, FEF50%, FEF75%, FMFT, FET, MVVind, FIVC, FIVC/FVC%, PIF, FIF 25%, FIF50%, TV, RV, IRV, ERV, IC, etc.
- The print out should be configurable with choice of curves, parameters printed, interpretations and test quality control message .
- The unit should be compliant to all standard like ATS 94, ERS 94, CE, FDA, and EN60601.
  - Should be supplied with calibration Syringes, carrying case and 100 reusable mouth piece, 1000 disposable mouth piece.

**SPECIFICATION FOR COMPUTER:**

- At least 3<sup>rd</sup> generation Intel core i7 processor, 8GB RAM, 18" to 20" TFT Color Monitor DVD R/W, Keyboard, Mouse, Window 7 / 8, Hard Disc Drive (at least 500 GB HDD) and Laser Color Printer, Trolley & 1 KVA online UPS, to be supplied.

**Item No. 4 - Impedance Audiometer**

	The Audiometer impedance with contra ear testing facilities
1.	· Multifrequency
2.	· Probe Frequency- 226Hz, 678Hz,800Hz,1000Hz
3.	· Pressure Range- +200 to - 400 dapa
4.	· Volume Range - 0.1 ml to 6.0 ml

5.	· Accuracy - $\pm 5\%$ to $\pm 10$ dapa
6.	· Test Time- < 3 Seconds
7.	· Reflex Mode
8.	· Test Frequencies- 500, 1000, 2000, 4000 Hz $\pm 2\%$
9.	· Test Method- IPSI Lateral, Contralateral
10.	· Noise (Band) - WN/HP/LP · Intensities IPSI Lateral-70 to 110 dbHz
11.	· Intensities Contra Lateral- 70 to 120 dbHz (with TDH 39 )
12.	· Intensity Setting- Automatic or Manual
13.	· Eustachian Tube Function - Intact and Perforated mode
14.	· ETF Pressure Range-+ 300 to - 400 dapa
15.	· Test -IPSI Lateral Reflex Test with AGC, Reflex Delay
16.	· Test Programme- Reflex Test selectable · Memory- Test Result of both ears
17.	· Probe - Light weight, adjustable, Hand Held , With Built in control light & switch
18.	· Printer- Silent Thermal Printer , (with paper printer facility)
19.	· Display-Graphic LCD with adjustable contrast
20.	· Power Supply- Mains 100-240 Volts, 50/60 Hz 25 VA
21.	· PC Interface- USB Cable
22.	· Automatic self calibration