

Subject: Request to submit quotation for purchase of Computerized Hydraulic Pressure Test Machine along with water bath with cooling device for acceptance Test and water bath for Type test as per Annexure I and Terms & Conditions as given in Annexure II

Sir/Madam

- 1 Technical & Commercial Bids are invited for Purchase of Computerized Hydraulic Pressure Test Machine along with water bath with cooling device for acceptance Test and water bath for Type test for testing (as per Annexure I) of UPVC Pipes as per IS 4985, HDPE Pipes as per IS 4984 and Sprinkler Pipes as per IS 14151, etc., in separate SEALED covers (separate technical & commercial bids) which should reach the undersigned latest by 1230 h, on or before 3rd February 2014, at the following address:

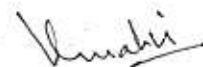
BUREAU OF INDIAN STANDARDS
Western Regional Office Laboratory
Manakalaya E- 9 MIDC
Andheri (E)
Mumbai - 400 093

- 2 The detailed technical specification(s) of the above mentioned equipment(s) is given in Annexure – I
- 3 Terms and conditions of supply are given in Annexure – II
- 4 The technical Bids shall be opened in the Conference Hall of Bureau of Indian Standards, Western Regional Office at the address mentioned above at 1430 h on 3rd February 2014, and in the presence of such tenderers or their duly authorized representatives, who may like to attend.
- 5 Please note that the envelopes containing Technical & Commercial Bids are sealed properly i.e. either with wax or with adhesive cello tape on both the ends. Unsigned Bids, unsealed/stapled envelopes and bids without EMD shall be summarily rejected. No exemption whatsoever for payment of EMD shall be accorded.
- 6 The specification and terms & conditions can also be downloaded from BIS Website (www.bis.org.in) & (www.eprocure.gov.in)

Enclosures: Annexure I & II

Thanking you,

Yours faithfully,



Dr (Mrs) Vijay Malik
Sc F & Head (WROL)
Tel No.022-28327856

BUREAU OF INDIAN STANDARDS
Western Regional Office Laboratory
Annexure-I

Technical Specification for Computerized Digital Hydrostatic pressure Test Equipment
Page 1 of 7

Name of the Equipment **Computerized Digital Hydrostatic pressure Test Equipment**
Total Quantity required **1No. (One) , with components and accessories**

- 1.1. Purpose** For Hydrostatic Pressure test on UPVC/HDPE/PE Pipes
- 1.2. Reference** IS 4985, IS 4984, IS 14151(Pt-1), IS 12235 (Pt-8).
- 1.3 No. of stations** Panel with **five** stations with 15 outlets (**Each station having 3 Nos. outlets**)
- i) **Two** Stations with pressure range 0- 4 MPa,
 L. C. 0.005 MPa with accuracy Class 0.25 % of F.S.D.
 (**For acceptance test**)
- ii) **One** Station with pressure range 0-7 MPa,
 L. C. 0.005 MPa with accuracy Class 0.5 % of F.S.D.
 (**For acceptance test**)
- iii) **One** Station with pressure range 0-1 MPa,
 L. C. 0.002 MPa with accuracy Class 0.25 % of F.S.D.
 (**For Type test**)
- iv) **One** Station with pressure range 0-2 MPa,
 L. C. 0.002 MPa with accuracy Class 0.25 % of F.S.D.
 (**For Type test**)
- 1.4. Computer Interface** Software to collect & print data at specified programmable intervals up to 1050 hrs. Provision of data storage in hard disk.
- CPU with Hard disks, monitor, printer etc.
 - Each station shall be provided with time totalizer, isolation bleed valve etc.

	Prepared By	Checked By	Approved By
Name	1. Shri A.C. Shrivastava 2. Shri K. H.Subramanian 3.Shri A.R.Shaikh	1.Shri B.R.kulkarni 2.Shri Raman Trivedi	Dr (Mrs) Vijay Malik
Designation	1. LO-A, 2. LO-A 3. LO- B	1. Sc F 2. Sc B	Sc F & H(WROL)
Signature			

1.5 Pressure control System

All pressure control system shall be capable to apply the test Pressure progressively and smoothly to $\pm 5\%$ of the desired test pressure in shortest time between 30 s to 1 hr. and then keeping it constant to within $+2\%$ percent of
-1
the required pressure for duration of the test.

1.6. Accuracy

Pressurizing equipment capable of applying the required pressure gradually and smoothly in accordance with Cl.7.1 of IS 12235(part 8/sec-I): 2004 and then keeping it constant to within $+2\%$ percent of
-1
the required pressure for the duration of test.

1.7 Air Hydro booster/Motorized hydraulic pump shall be provided to meet requirement of **Cl.1.5 & 1.6** above.

1.8. The pressure measuring system shall be separately provided with **Master Gauges** of L.C 0.001 MPa with Accuracy Class 0.25 % of F.S.D. for the range 0-4 MPa and accuracy class 0.5 % F.S.D with L.C.0.002 MPa for the range 0-7 MPa with providing switchover for online checking pressure of any station.

1.9. To maintain the pressure within specified tolerances, a system must automatically reset the pressure if it drops.

1.10 Timer capable of recording the pressure application up to the moment of failure or leakage, and shall cut off the line pressure automatically on failure.

1.11 Digital pressure controller/Indicator, Master Gauges and timer in the set up, shall be calibrated by NABL accredited Lab with traceability.

1.12. Timer range: up to 1050 hrs capable of indicating time for each station.

1.13. Power requirement: single phase, 230 volts, 50Hz.

1.14 The equipment shall be powder coated.

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- 1.15 All the fitting used for the hydraulic testing machines shall be brass, stainless steel and copper alloy material only.
- 1.16 The digital hydrostatic pressure testing equipment has to fulfill specification requirement mentioned in IS 12235 (Part 8/Sec1):2004.
- 1.17 Digital countdown time counter with buzzer.
- 1.18 Supplier shall demonstrate the capability of the equipment at our site, keeping pressure constant to within ± 2 percent of the required pressure for the duration of test.
- 1.19 Provision shall be provided for removal of digital pressure gauges and Master Gauges for off site calibration.
- 1.20 Outlet connection of the stations of the panel shall be located, to suit convenient for the two nos. of water baths located on each side of panel.
- 1.21 Air compressor if employed shall be suitable for desired pressure with silencers and auto cut-off/restart device.
- 1.22 The hose connection outlet shall be suitable for end fitting with $\frac{1}{4}$ " BSP external thread. Hoses provided within the equipment shall sustain temp and pressure employed.

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1.23 Signal Conditioner:-

- i) Computer Interface
- ii) Fully automatic with provision of automatically turning the individual pressure station with ON/OFF and record time duration
- iii) Timer to cut off pressure station after completion of test.
- iv) Data acquisition, storage and analysis shall be fully automatic.
- v) Manual emergency control button.
- vi) Logged data printing facility.
- vii) Automatic display of bursting /leakage pressure.
- viii) Automatic pressure release facility
- ix) Data transmission with USB port.
- x) Compatible with latest MS operating system.
- xi) Facility to download /save/ edit/ delete along with other sample information such as sample code, date of start, date of completion, IS no., testing personnel name etc.

1.24 Features:-

- i) Manual/tutorial shall be provided along with a hard copy and CD/DVD.
- ii) Software to collect data in hard disks shall be provided
- iii) Operational precaution and safety requirements shall be provided .
- iv) Cabinet shall be fabricated from 2 mm thick CRC sheet dully powder coated.

1.25 Special conditions:

- i) Calibration by NABL accredited agency shall be part of commissioning by supplier.
- ii) Each of the above specification and pre installation requirements to be arranged by the user shall be clearly specified in the quotation.
- iii) Service / repair back up shall be available in around MUMBAI.
- iv) Minimum warranty of **two** years shall be provided as per our terms and conditions.
- v) Shall be provided with suitable working table etc. for keeping CPU/Monitor/ accessories etc.
- vi) Training of two personnel at our Laboratory shall be provided as a part of supply.
- vii) Pre delivery inspection of the equipment is necessary.

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1.26 Accessories:

- i) Set of tool kit
- ii) Spare parts/ consumables (If any)

Note: In case of any deviation with specification, justify the same and explain the suitability of your equipment to our application.

Component 1: WATER BATH WITH HEATING & COOLING SYSTEM
Quantity : 1 nos. for Acceptance Test

- 2.1 Temp. Range 10 to 90 °C
 - 2.2 Digital temp. controller/Indicator Least count 0.1°C
 - 2.3 Accuracy of temp. Controller/ Indicator ± 0.25 °C
 - 2.4 Working Temp. 27°C & 80 °C
 - 2.5 Test duration 1 hr. & 48 hr.
 - 2.6 Temp. controller Suitable to meet temp. accuracy requirement.
 - 2.7 Internal size 1400 mm(Length) x 900 mm(Width) x 700 mm (Height)
 - 2.8 Heating Load 9 kW (3 kW x 3 Nos.)
- Heating system shall be capable of raising temp. of bath from ambient to 80 °C within 5 to 6 hour**

- 2.9. Refrigeration Load 1 TR
- 2.10. Power 440 V, 3 phase, 50 Hz

Material of Construction

- 2.11 Internal chamber SS 316
- 2.12. Outer body CRC Sheet dully powder coated
- 2.13. Top cover CRC Sheet dully powder coated
- 2.14. Support & Bottom SS 316
- Grill

Features:

- 2.15. Provision of water circulation to ensure uniform temp. throughout the bath mean temp. within $\pm 1^\circ\text{C}$, with deviation of $\pm 2^\circ\text{C}$. This system shall be per Cl.3 of IS 12235 (part 8/Sec1):2004.
- 2.16. Provision of water cooling system shall be provided to maintain the temp of bath at set temp of 27°C.
- 2.17. Provision of water heating system shall be provided to maintain the temp of bath at set temp of 80°C..
- 2.16. Tank shall have insulated cover.
- 2.18. Provision shall be made for proper overflow and drain out of tank.

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Signature			

- 2.19. Supports enabling test specimen to be placed in to tank in such a way that there is no contact between them or the sides of the tank.(Pipe O D 20 mm to 250 mm)
- 2.20. Over all thickness (50 mm) heating/cooling insulation shall be provided to all the sides of tank with proper cover of tank.
- 2.21. Supplier shall demonstrate the capability of the water bath at our site, keeping mean temp. constant to within $\pm 1^\circ\text{C}$ of the required temp with deviation of $\pm 2^\circ\text{C}$ for the duration of test.
- 2.22 Provision shall be provided for removal of Temp. Indicator/controller for off site calibration independent of water bath as well as onsite calibration.
- 2.23 Temp measuring system shall be provided with Integrator to give mean value of temp. and deviation of temp over a convenient time period which shall not be less than 5 minute.
- 2.24 Digital temp. Controller/Indicator shall be calibrated by NABL Accredited Lab.
- Note:** In case of any deviation with specification, justify the same and explain the suitability of your equipment to our application.

Component 2: WATER BATH WITH HEATING SYSTEM

Quantity : 1 nos. for Type test of UPVC/ HDPE Pipes.

- 3.1 Temp. Range Ambient to 90°C
- 3.2 Digital temp. controller/Indicator Least count 0.1°C
- 3.3 Accuracy of temp. Controller/ Indicator $\pm 0.25^\circ\text{C}$
- 3.4 Working Temp. 60°C & 80°C
- 3.5 Test duration 165 hr. & 1000 hr.
- 3.6 Temp. controller Suitable to meet temp. accuracy requirement.
- 3.7 Internal size 1400 mm(Length) x 900 mm(Width) x 700 mm (Height)
- 3.8 Heating Load 9 kW (3 kW x 3 Nos.)

Heating system shall be capable of raising temp. of bath from ambient to 80°C within 5 to 6 hour

3.10. Power 440 V, 3 phase, 50 Hz

Material of Construction

- 3.11 Internal chamber SS 316
- 3.12. Outer body CRC Sheet dully powder coated
- 3.13. Top cover CRC Sheet dully powder coated
- 3.14. Support & Bottom Grill SS 316

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Features:

- 3.14. Provision of water circulation to ensure uniform temp. through out the bath mean temp within $\pm 1^{\circ}\text{C}$, with deviation of $\pm 2^{\circ}\text{C}$. This system shall be as per Cl.3 IS12235 (part 8/Sec1):2004.
- 3.17. Provision of water heating system shall be provided to maintain the temp of bath at set temp 60°C and 80°C ..
- 3.16. Tank shall have insulated cover.
- 3.18. Provision shall be made for proper overflow and drain out of tank.
- 3.19. Supports enabling test specimen to be placed in to tank in such a way that there is no contact between them or the sides of the tank.(Pipe O D 20 mm to 250 mm)
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- 3.22 Provision shall be provided for removal of Temp. Indicator/controller for off site calibration independent of water bath as well as onsite calibration.
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- 3.24 Digital temp. Controller/Indicator shall be calibrated by NABL Accredited Lab.

Note: In case of any deviation with specification, justify the same and explain the suitability of your equipment to our application.

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BUREAU OF INDIAN STANDARDS.
(WESTERN REGIONAL OFFICE LABORATORY)
MUMBAI – 400 093

TERM & CONDITIONS

(ANNEXURE II)

Page 1 of 5

- 1 The Bidders are requested to give detailed tender in the forms of two bids.
E.g - Part - A Technical Bid.
Part - B Financial Bid.
- 2 The specification of the equipment has been specified, however bidder(s) shall be required to arrange practical demonstration of equipments/model(s) quoted by them before finalization of order. If the equipment is to be designed and manufactured, the estimate of the time for processing and supply has to be clearly mentioned in the Technical Bid (Part A).
- 3 No tender documents will be issued by BIS, WESTERN REGIONAL OFFICE LABORATORY. Bidders are requested to download the Tender Documents from BIS Website www.bis.org.in
- 4 Tenders complete in all respects should be submitted separately for Technical as well as Financial bids as follows
 - a. One sealed envelope super scribed "Technical Bid" shall contain only the Technical Specifications of the indented equipment as per details below in Para 5 of this tender terms and conditions.
 - b. A second sealed envelope super scribed "Financial Bid" shall contain only the Financial bid in price, maintenance, Annual Maintenance Contract Charges (AMC) etc. and any other information, which had financial implications. The Demand Draft of the EMD of Rs.40,000 (see Para 23) be placed inside a separate sealed envelope clearly marked 'EMD' on the right hand side corner of the envelope and clearly stapled along with this sealed envelope containing the Financial Bid.
 - Both the above sealed envelopes are to be kept in a main envelope duly sealed, super scribed as Tender No WROL/4: 66 for the supply of
 - Computerized Hydraulic Test Machine along with water baths due on 3rd February 2014
- 5 The Technical Bid (Part A) should accompany complete specification, Manufacturer's name, address and following details:
 - a. Expected life span of equipment and accessories
 - b. List of pre-installation facilities and consumables to be arranged by the Bureau for installation and commissioning of equipment.
 - c. List of the Users in India especially Govt labs/Institutions or any other reputed Indian Organizations with complete postal /email Address/Contact No. to whom the similar or identical equipments have been supplied, if any, in the last three years.

Note : Based on the above information BIS will have its option to access equipment performance, after sales services etc., for evaluation of the tender. Directly from the concerned Labs.
 - d. Optional and any other essential items/accessories required for the maintenance of the equipments for the next five years.
 - e. Technical Literature of the equipments along with necessary photograph/drawings, circuit diagrams, Services/maintenance manual & operating manual of the equipment if any
 - f. Compliance statement vis-à-vis specification clauses including statement of Deviation Shall be submitted in the format attached (See Appendix A).
 - G. Near location in India from where after sales services shall be provided along with the name and address of servicing Agent.

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Cost of the items should be mentioned clearly in the Financial Bid (Part-B) only. The following details need to be included:

- i Price break-up of main equipments, components and accessories and consumables to be supplied by the party. The rates quoted should separately indicate Basic cost, Excise Duty, Sales Tax, P & F Charges, Freight, Insurance, VAT etc. Rates quoted should specifically state Sales Tax, Excise Duty or any other taxes/charges. In absence of any such stipulation, it will be presumed that the prices include all such charges and no claim for the same shall be entertained. The Bureau pays full CST and neither Form C nor Form D is provided. In case of foreign supplier BIS shall pay custom duty.
- ii The Annual Maintenance Contract charges for three years following the expiry of warranty period
- iii The rates quoted shall be valid for a period of 120 days from the date of opening of the tender
- iv Packing, Forwarding, Freight & Insurance and Commissioning, Charges, if any extra may be quoted separately in Financial Bid
- v In case your quote is F. O. R. /F. O. B. basis, estimated insurance coverage charges may be indicated.
- vi If there are any extra charges for installation, commissioning and training, the same may also be indicated in the financial bid.
- vii Rebate on the quoted price, if additional equipments is procured for any other BIS Labs.

7. Fax/ E-mail/ Telegraphic / Telex tenders shall not be considered.

8. Quotations/Bids, qualified by indefinite expressions as "Subject to immediate acceptance, Subject to prior sale" etc. and incomplete quotations are liable to be summarily rejected.

9. Details of after-sales services offered by you are to be made clear in the tender, along with the list of locations from where after sales services shall be provided, as also names of servicing agents.

10. A) Delivery Period: The delivery of the equipment is required to be made within 90 days of the date of order if, it is not possible to effect delivery within the period, agreed, the supplier would be required to specify the date by which delivery of the goods can be guaranteed. In normal circumstances, delivery period mentioned in the purchase Order should be strictly adhered to otherwise EMD shall stand forfeited, after maximum 10 days of the last due date of delivery agreed.

B) Place of Delivery : Sc F & Head (WROL)

Bureau of Indian Standards,
Western Regional Office Laboratory,
E-09, MIDC, Road No.8,
Andheri (E),
Mumbai- 400 093.

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All goods shall be inspected by BIS preferably in the presence of supplier or his authorized representative, when the packages are opened in labs on delivery and prior to installation. The decision of BIS shall be binding. Rejected items/goods/stores shall be removed by the supplier at his own cost and risk, within 30 days of receipt of notice for the removal of such goods, and no liability, whatsoever, on the Bureau shall be attached for the rejected/disapproved goods/items/stores.

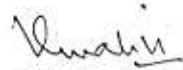
- 12 The Tenderer is required to furnish the Permanent Account Number (PAN) Allotted by the Income Tax Department.
- 13 (A) The successful bidder shall furnish with in 15 days of placements of the order an unconditional Performance Bank Guarantee valid till 60 days after the warranty period from a National Bank for 10% of the order value. On acceptance of this condition and submission of Bank Guarantee, the Letter of Credit will be opened for 100% order value. If the firm fails to submit the same, the contract shall be deemed as terminated and EMD shall stand forfeited. The performance Bank Guarantee is to be given in the format enclosed (Appendix B) of this document.
- 13 (B) Payment Terms & conditions: 90% payment shall be made against delivery, installation, Commissioning, testing (trial period of one month) & training at site and on acceptance as per Purchase order and balance of 10% payment as contract performance security shall be made after the receipt of Performance Bank Guarantee from a Nationalized Bank, for 10% of the total order value, to be valid till 60 days after the warranty period (As per the format attached – Appendix B). In case of foreign suppliers 100% payment shall be made by an irrevocable letter of credit established in favor of the supplier through the Canara Bank, Mumbai MIDC, Andheri (E) Branch, Mumbai- 400093 for the order provided an unconditional performance bank guarantee valid till 60 days after the warranty period from a Nationalized Bank for the 10% of the order value within 15 days. The agency commission to the Indian clearing agent will not be paid by the Bureau. The firm has to arrange for it, BIS shall provide Custom Duty Exemption Certificate at the time of Custom clearance as well as any applicable Custom Duty.
14. The Bidder has to state in detail the Electrical Power/UPS requirements, floor space, head room, foundation needed and also to state whether any environment conditions are needed to house the system and to run the tests i.e. pre- installation facilities required for installation may be intimated in the technical bid.
- 15 Installation: Bidder shall be responsible for installation / commissioning / demonstration wherever applicable and for after sales service during the warranty and thereafter. If the supplier fails to supply, install and commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay Penalty of one percent of the value of purchase Order awarded per every seven days delay, subject to a maximum of 10% of the total value of the order and such money will be deducted from any money due or which may become due to the supplier.
- 16 A. The Bidder who submits the tender on behalf of their principal should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals.
- B. In case of foreign quotation, the address of Principal /Manufacturer and their Banker's details should be furnished. The supplier is required to have an import licence for the equipment quoted where applicable as per GOI guidelines.
- 17 BIS will not provide any accommodation / transportation for the Engineers / Representatives for attending Installation, Commissioning and Demonstration work. It is the absolute responsibility of the Principal Supplier to make their own arrangements.
- 18 WARRANTY: The equipment is to be guarantee for trouble free performance for a minimum period of three years after installation and commissioning. The defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary. The last six month of the warranty period shall be free of complaints, failing which the warranty period will get extended by another six months, which again shall be trouble free.
- 19 Details such as contact person, name, address, fax and phone numbers of the agency responsible for onsite warranty as well as the agency undertaking Annual Maintenance Contact / Comprehensive Service Maintenance Contact beyond warranty shall be provided in the TECHNICAL BID.

- 20 The supply of spare parts is to be guaranteed at least for a period of seven years after the supply of the equipment.
- 21 No sub-contracting will be allowed for installation or maintaining system / equipment / instrument during or after warranty period. The tenderer shall have the sole responsibility for the said services under all circumstances and not the subcontractors.
- 22 Discount offered if any, should be clearly mentioned in the financial bid.
- 23 Earnest Money Deposit (EMD) of Rs. 40,000/- must be sent in a separate envelope along with financial bid in the form of a Demand Draft, Banker cheque or Bank Guarantee (valid for at least 120 days) from a Nationalized Bank, drawn in favor of BUREAU OF INDIAN STANDARDS payable at Mumbai. The EMD of the successful bidder will be returned only after installation, commissioning, satisfactory demonstration and acceptance of the equipment by official designated / HOD as per the terms of our purchase order. The EMD of the successful bidder may also be adjusted, if so desired by the bidder, against a part of performance security, provided it is valid till 60 days after the warranty period. The EMD of the unsuccessful bidders will be returned within one month from the date of opening of the tender.
- 24 Tenders not accompanied by Demand Draft / Bank Guarantee towards "Earnest Money Deposit" will be summarily rejected.
- 25 Tenders, which are submitted without following the Two-Bid Offer System, will be summarily rejected.
- 26 Unsigned Tenders will also be rejected.
- 27 Conditional Offers will not be considered.
- 28 Goods should not be dispatched until the firm order is placed.
- 29 Offers of firms which have already supplied similar equipment to BIS and have not completed required installation / commissioning / after sales services / warranty replacements etc. Will not be considered for further evaluation and no enquiries thereafter will be entertained
- 30 The tenders must be clearly written or typed without any cancellations / corrections or overwriting
- 31 Please indicate page nos. on quotation document; e.g. if document consists of 25 pages, page numbers shall be indicated as Page 1 of 25 , Page 2 of 25 ---- Page 25 of 25.
- 32 Last Date and Time for receipt of Tenders : The tenders will be received in the Western Regional Office Laboratory, Bureau of Indian Standards, Mumbai- 400 093 up to 1230 h on or before 3rd February 2014
- 33 BIS will not be responsible:

For delayed / late quotations submitted / sent by post / Courier etc

For Submission / delivery of quotations at wrong places other than the Office of Sc F & Head, Western Regional Office Laboratory, Bureau of Indian Standards, Mumbai – 93.
- 34 Date and Time of opening of Tenders: (Part – A Technical Bid only) will be opened at 1430 h on 3rd February 2014 in the presence of tenders, renderers who wish to be present, must carry a letter of authorization from the top management of the tendering firm.

- 35 The date and Time of opening for Part B (Financial Bid) will be intimated only to pre-qualified and technically acceptable tenderers at a later date.
- 36 All question, disputes or differences arising under, out of or in connection with this Bid document shall be subject to the exclusive jurisdiction of Mumbai Courts
- 37 A. The Bureau reserves the right to accept any tender in full or in part or to reject any or all tenders in whole or part without assigning any reason whatsoever.
- B. In case of any dispute arising out of this agreement then DG BIS shall nominate any officer of the BIS a sole arbitrator to adjudicate upon the issue involved in the disputes and the provisions of the Arbitration Act shall be applicable.


Dr (Mrs) Vijay Malik
Sc F & Head (WROL)
Tel No.022-28327856

APPENDIX- A
DEVIATION STATEMENT FORM

- 1) The following are the particular of deviation from the requirements of the tender document and Technical Specifications:

BIS WROL Tech. Spec. Clause / Tender Doc. Para	Compliance statement (Yes/No)	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

MANUFACTURER / BIDDER

PLACE:

DATE:

NOTE:

Note: Where there is no deviation, the statement should be returned duly signed and
Endorsement indicating "No Deviations."

APPENDIX- B
PERFORMANCE SECURITY FORM

To ----- (Name of Purchaser)

WHEREAS ----- (Name of supplier)

Hereinafter called "the Supplier" has undertaken, in pursuance of Contact No. -----
dated ----- to supply -----
(Description of Goods and services) hereinafter called "the Contact".

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a Nationalized Bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

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 limit of

----- (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demands or the sum specified therein.

This guarantee is valid until the ----- day of -----20 --.

Signature and Seal of Guarantors

Date-----2013

Address-----
