**Government of India**

# Ministry of Consumer Affairs, Food and Public Distribution

**Department of Consumer Affairs**

**LOK SABHA**

#### UNSTARRED QUESTION NO. 3594

#### TO BE ANSWERED ON 19.3.2013

**Laboratories of BIS**

3594. SHRI K.P. DHANAPALAN:

 SHRI BHUDEO CHOUDHARY:

 **Will the Minister of CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION miHkksDrk ekeys] [kk| vkSj lkoZtfud forj.k ea=h be pleased to state:**

(a) the role and functions of the Bureau of Indian Standards (BIS);

(b) the number of regional laboratories of the Bureau of Indian Standards (BIS) presently functional in the country, State wise;

(c) whether there is any proposal for opening more such BIS laboratories and training centres in the States during the current year;

(d) if so, the details thereof, State-wise; and

(e) the details of the schemes for monitoring and modernisation of such laboratories and training centres?

**ANSWER**

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**THE MINISTER OF STATE (INDEPENDENT CHARGE)**

**FOR CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION**

**(PROF. K. V. THOMAS)**

(a) : The role and functions of the Bureau of Indian Standards (BIS) are incorporated in the BIS Act 1986. Bureau is entrusted with the role of harmonious development of activities of standardization, marking and quality certification of goods and for matters connected therewith or incidental thereto. The powers and functions of the Bureau are prescribed under sec.10 (1) of the Act are given in **Annexure-I**.

(b) : Presently, the following regional laboratories are functional in the country, state wise:

i) Northern Regional Laboratory at Mohali (Punjab)

ii) Southern Regional Laboratory at Chennai (Tamilnadu)

iii) Eastern Regional Laboratory at Kolkata (West Bengal)

iv) Western Regional Laboratory at Mumbai (Maharashtra)

(c) & (d) : There is no such proposal at present.

(e) : Laboratory activity is headed by Scientist-G & Chief (Laboratory) under whose control Heads of different BIS laboratories function.

1. **Monitoring of laboratories** – The following are used as tools for monitoring the activity of BIS laboratories:
2. Lab Heads Meetings conducted once in a year.

ii) Management Review Meetings conducted once in a year.

iii) Internal Audits conducted once in a year.

iv) Review of Management Control Reports on monthly basis.

v) Independent assessment by NABL, before renewal of accreditation every two years.

vi) Quality Assurance Testing by each lab.

vii) Participation in Inter Laboratory Comparison (ILC) Testing.

2) **Modernization of laboratories** – The testing facilities in BIS laboratories are added/ upgraded on a continuous basis, as per requirement. The equipments added in the last three years (1-1-2010 to 31-12-2012) are given in **Annex-II**.

3) There is no training centre relating to laboratory. BIS has a training institute namely National Institute of Training for Standardization (NITS) situated in NOIDA (UP). This institute provides training to laboratory personnel for Laboratory Quality Management System according to IS/ISO/IEC 17025 as and when required.

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**ANNEXURE-I**

**STATEMENT REFERRED IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 3594 FOR 19.03.2013 REGARDING Laboratories of BIS:**

**POWERS AND FUNCTIONS OF THE BUREAU**

**Section 10.(1).** The Bureau may exercise such powers and perform such duties as may be assigned to it by or under this Act and, in particular, such powers include the power to: –

* 1. establish, publish and promote in such manner as may be prescribed the Indian Standard, in relation to any article or process;
	2. recognise as an Indian Standard, in such manner as may be prescribed, any standard established by any other Institution in India or elsewhere, in relation to any article or process;
	3. specify a Standard Mark to be called the Bureau of Indian Standards Certification Mark which shall be of such design and contain such particulars as may be prescribed to represent a particular Indian Standard;
	4. grant, renew, suspend or cancel a licence for the use of the Standard Mark;
	5. levy fees for the grant or renewal of any licence;
	6. make such inspection and take such samples of any material or substance as may be necessary to see whether any article or process in relation to which the Standard Mark has been used conforms to the Indian Standard or whether the Standard Mark has been improperly used in relation to any article or process with or without a licence;
	7. seek recognition of the Bureau of Indian Standard outside India on such terms and conditions as may be mutually agreed upon by the Bureau with any corresponding institution or organisation in any country;
	8. establish, maintain and recognise laboratories for the purposes of standardization and quality control and for such other purposes as may be prescribed;
	9. undertake research for the formulation of Indian Standards in the interests of consumers and manufacturers;
	10. recognize any institution in India or outside which is engaged in the standardization of any article or process or the improvement of the quality of any article or process;
	11. provide services to manufacturers and consumers of articles or processes on such terms and conditions as may be mutually agreed upon;
	12. appoint agents in India or outside India for the inspection, testing and such other purposes as may be prescribed;
	13. establish branches, offices or agencies in India or outside;
	14. inspect any article or process, at such times and at such places as may be prescribed in relation to which the Standard Mark is used or which is required to conform to the Indian Standards by this Act or under any other law irrespective of whether such article or process is in India or is brought or intended to be brought into India from a place outside India;

(o) coordinate activities of any manufacturer or association of manufacturers or consumers engaged in standardization and in the improvement of the quality of any article or process or in the implementation of any quality control activities; and

1. perform such other functions as may be prescribed.

**ANNEXURE-II**

**STATEMENT REFERRED IN REPLY TO PART (e) OF LOK SABHA UNSTARRED QUESTION NO. 3594 FOR 19.03.2013 REGARDING Laboratories of BIS:**

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| **Sl. No.** | **Name of Equipment** | **Amount in Rs.** |
| 1 | BOD Incubator | 70350 |
| 2 | Sine Vice SVS 70 | 9166 |
| 3 | Endurance Test M/C for Door Closures | 264600 |
| 4 | Weighing Scale | 12000 |
| 5 | Mechanical Shaker | 18900 |
| 6 | Centrifuge Machine | 20055 |
| 7 | Hot Plate | 11550 |
| 8 | Karl Fisher Instrument | 15225 |
| 9 | Dead-weight dial micrometer | 21849 |
| 10 | Nitrogen distillation assembly | 9000 |
| 11 | De-Humidifier | 60320 |
| 12 | DCHV Tester | 548875 |
| 13 | Cold Chamber | 157500 |
| 14 | Skewing Machine | 95062 |
| 15 | Water Bath for Additional Ageing | 151525 |
| 16 | KELVIN Double Bridge | 90898 |
| 10 micro-Ohm to 1 Ohm |
| 17 | Wrapping test Apparatus | 58725 |
| 18 | Dumbbell Cutting Machine | 70875 |
| 19 | Remote Humidity Thermometer | 5870 |
| 20 | Time Interval Meter for tripping test of MCB | 5625 |
| 21 | Water absorption test specimen cutting die | 9450 |
| 22 | Vacuum Oven for water absorption test on cable | 68250 |
| 23 | Remote Humidity thermometer | 11741 |
| 24 | Gauge set for dimensions of socket end as per IS 9537 (Pt.3):1983 | 84375 |
| 25 | HP Desktop 8200 for GLS Lamp Test bench | 38627 |
| 26 | 6 ½ Digit precision multimeter fluke make | 98499 |
| 27 | Vacuum Pump | 46125 |
| 28 | Desiccator vacuum Tarson, Vacuum Pump Tarson, Tygon Vacuum Tubing | 25659 |
| 29 | Oxygen flow meter | 2981 |
| 30 | Ultrasonic Cleaner | 14936 |
| 31 | Hydraulic Hexa Machine | 95745 |
| 32 | Thread Gauges | 84183 |
| 33 | Digital Elcometer | 14344 |
| 34 | Deep Freezer | 34125 |
| 35 | Flask shaker | 8108 |
| 36 | Compression Testing Machine | 603352 |
| 37 | AC High Voltage Tester | 395025 |
| 38 | DC High Voltage Tester & Water bath | 664100 |
| 39 | Vibrating Machine | 61312 |
| 40 | GCMS Accessories (Evaporator & Concentrator) | 786485 |
| 41 | Magnetic filter Funnel | 84181 |
| 42 | Vernier Caliper | 6025 |
| 43 | PI Tape | 14569 |
| 44 | Platform Weighing Scale | 12375 |

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| 45 | XRF | 2000722 |
| 46 | Balance | 57386 |
| 47 | Parting Tray | 9675 |
| 48 | Impact Tester for UPVC pipe | 49161 |
| 49 | Melt flow Index Tester | 64739 |
| 50 | Tensile Testing Machine 20 kN capacity | 642713 |
| 51 | UTM 1000 kN Capacity | 1588000 |
| 52 | Autoclave for Cement Soundness | 105570 |
| 53 | Waveform Analyzer | 99313 |
| 54 | Pass-on box | 39216 |
| 55 | Digital Vernier Caliper | 7000 |
| 56 | UV Spectrophotometer | 683937 |
| 57 | UTM 100 kN | 484000 |
| 58 | TTM 10 kN | 759877 |
| 59 | TTM 10 kN | 434000 |
| 60 | Vernier caliper | 17165 |
| 61 | Ageing Ovens (2 units) | 516375 |
| 62 | Normal opearation test machine for plug & sockets | 80975 |
| 63 | Fume Hood (3 nos) | 573300 |
| 64 | Distillation Assembly | 42283 |
| 65 | CO Detector | 14063 |
| 66 | Orsat Apparatus | 6750 |
| 67 | Thread & Ring Gauges ¼ BSP | 8179 |
| 68 | Ball end Micrometer | 15413 |
|  | **Total** | **Rs. 13262354/-** |

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