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Colombo Plan

SITRA'S 58th INTERNATIONAL TRAINING PROGRAMME 2010

October 5 - December 4 2010

Sponsored by



**Ministry of External Affairs, Government of India
&
Ministry of Finance, Government of India**

Programme details

SITRA, a link in the chain of textile laboratories in the country, has emerged as an important centre for International training to candidates from third world countries. Fifty six batches of the programme have been conducted since its initiation in 1974 and more than 1400 participants from 72 developing countries have so far benefitted out of SITRA's expertise in textile technology.

Programme objectives

- Sharing of knowledge and transfer of appropriate technology in textile industry.
- Disseminating and strengthening awareness relating to India's expertise in improving productivity, quality, cost and waste control in developing countries.
- Creating and strengthening awareness about the superior quality of modern Indian textile machinery and its cost effectiveness.
- Develop managerial capabilities among the trainees in order to manage and sustain effective management of personnel in organisations.
- Improved International understanding and goodwill between India and other developing nations.

Programme date and duration

Two courses are offered during the programme - each of two months duration. The programme is scheduled to be held during October 5 - December 4, 2010.

Courses offered

The following 2 courses are offered as a part of the International Training Programme.

Course	Batch strength	Meant for
Textile Mill Management	25	Technical personnel working in textile or allied industries
Textile Testing and Quality Control	25	

Travel plans and accommodation

SITRA is situated very close (just a minute's travel) to the city's Airport which is connected to major Indian cities like Delhi, Mumbai, Chennai, Bengaluru and Thiruvananthapuram and also to few international cities.

SITRA does not have hostel facilities. However, hotel accommodation shall be provided in hotels in the city.

Venue

The programme will be conducted at The South India Textile Research Association, Coimbatore.

Facilities available at SITRA

SITRA, one of the important Textile Research Associations in India, houses large pilot mills (Spinning, Weaving & Knitting), Physical, Chemical and Medical Testing laboratories equipped with the latest state-of-the-art instruments apart from well-furnished training halls with the necessary multimedia facilities. (A detailed description of SITRA and its activities are provided on a separate page).

Course details

Textile Mill Management

Managing is the core activity/philosophy of success of any organisation. With liberalisation and globalisation, the scenario of managing the technological process is all the more complex which necessitates that the technologist possess not just the theoretical skills but also understands its application in an effective manner. The aim of the programme is to highlight the critical areas of functioning in a business entity that would ensure effective management of the textile mills.

The programme aims to provide technical personnel working in textile mills not only a basic understanding of the theoretical concepts in textiles and their application but also an appreciation of the role of Materials, Men and Money management and their control in Textile Mills. Effectively, it is hoped that the participants would appreciate and utilise the theoretical concepts effectively towards attaining their organisation's objectives.

Topics covered - Materials Management, Raw material - Cotton and Man Made Fibres, Fibre-Yarn Relationship, Stores Consumption and Inventory Control, Norms & Standards for Production and Productivity, Use of Testing Instruments, Work Load and Work Assignment, Quality Control in Spinning, Weaving and Chemical Processing, Process Control, TQM & TPM, Statistical Techniques in Quality Control, Interpretation of Test Data for QC, Knitting and Garment making Technology, Energy consumption and Conservation, Machinery maintenance Management, Cost Control, Modern Developments in Chemical Processing, Financial Management, Marketing Management, Time and Stress Management.

Textile Testing and Quality Control

Quality is becoming an increasingly important issue in deciding the commercial success of a textile industry and its products. The company's approach to quality is decided by various factors like customer requirement, state-of-the-art instruments it has and above all qualified manpower. With demands of customer for products attaining quality levels becoming more and more stringent, it has become all the more imperative for mills to attain the levels of bench marked quality which keeps evolving depending upon the needs of customer as well as industry demands. It is in this context that textile mills are looking for qualified technicians to man their quality control department. With modern quality management concepts in vogue, mills expect their QC personnel to be abreast of the quality concepts so as to satisfy the requirements of their customers.

The programme intends to highlight theoretical concepts of quality and the instruments involved, and evolve strategies for its implementation in a phased manner.

Topics covered - Materials Management, Textile Fibre Classification, Testing of Fibres on various parameters, High Volume Testing (AFIS, HVI), Fibre Quality Index (FQI), Testing of Yarns for its various properties, Classimat Faults and Spectrogram Analysis, Fibre-Yarn Relationship, Testing of Fabrics on various parameters, Chemical Testing of fibre, yarn and fabric, Quality Control in Spinning, Weaving and Processing, Statistical Techniques in Quality Control, Interpretation of Test Data for QC, Waste and Waste Control Measures. Quality management principles - ISO 9000, TQM, TPM, Kaizan, Quality Circles, 6 sigma and 5S

Note:

- + **The training methodology for both the courses involves lectures, discussions, case studies, audio visual aids, library and reading assignments and periodic assessments. The participants of Textile Testing course will have additional hands-on training sessions.**
- + **An important feature of the courses is the integration of theoretical input given during the lecture hours with field visits to major textile units and other industries of national / worldwide prominence in order to understand their managerial practices.**
- + **As a mandatory requirement, participants should submit a project report on completion of their training schedule.**
- + **Medium of instruction for both the courses will be English.**

How to apply

Interested candidates are requested to contact the Indian Embassy or Mission in their respective country from where they can obtain the applications. Filled-in applications, duly forwarded by their employers, should be submitted at the Indian Embassy/Mission, which in turn will forward the same to the respective sponsoring agency in India with a copy to SITRA.

Sponsorship

The International Training Programme at SITRA is sponsored by

- a) The Ministry of External Affairs under their sponsoring schemes namely, ITEC / SCAAP / AARDO
and
- b) The Ministry of Finance under its sponsoring scheme, Colombo Plan.

The address of the sponsoring agencies in India are as follows :

COLOMBO PLAN

Under Secretary (IA),
Dept. of Economic Affairs,
Ministry of Finance,
Government of India, North Block,
New Delhi - 110 001, INDIA.
Fax No. 91-11-2309 2477 / 2309 2511
Tel. No. 91-11-2309 3035

ITEC / SCAAP / AARDO

Attache (ITEC-I)
Ministry of External Affairs
Government of India
Room No.1023, Akbar Bhavan,
Chanakyapuri, New Delhi - 110 021, INDIA
Fax No. 91-11-26887294
Tel. No. 91-11-24674729

For any clarifications, please contact :

The Course Coordinator, The South India Textile Research Association,
P. B. No. 3205, Coimbatore Aerodrome Post, Coimbatore - 641 014, India.
Ph:+91 422 2574367-9, 4215333 Fax: +91 422 2571896 E.mail: sitraindia@dataone.in

Note : The final decision of selection of a nominee rests with the respective sponsoring agency of the Govt. of India.



About SITRA

SITRA, an acronym for South India Textile Research Association has completed a glorious 53 years . It has achieved rapid progress in the realisation of the broad objective it set forth during its establishment in 1956. SITRA is governed by a Council of Administration consisting of member representatives of the Industry, Government and Scientists and is sponsored by the Industry and partly supported by the Ministry of Textiles, Government of India.

Sprawling in a campus of about 13.14 hectares, SITRA is situated at Coimbatore in Tamil Nadu and is within easy access of a large number of textile mills. The modern and architecturally designed buildings with a floor space of about 15,000 sq. m. house well equipped air conditioned testing, electronics and calibration laboratories, pilot mill, computer centres, jute Mill, library, exhibition hall, auditorium as well as offices of the different Divisions. SITRA has a full range of sophisticated textile testing instruments and modern machines and is one of the best equipped textile research organisations in the World.

SITRA's membership is 248 textile mills comprising of 293 units, spread all over India and 6 foreign nations - Bangladesh, Indonesia, Iran, Nepal, Nigeria and Thailand. In addition, around 100 small spinning mills enroll every year as Technical Service cardholders, which entitles them to avail some of the major services offered.

The accelerating growth in SITRA's membership, extensive use of its services by the textile sector, the revenue accruing from consultation services meeting about one half of the recurring expenditure - a level seldom reached by any other laboratory - and its robust financial health with state-of-the-art testing instruments and processing machinery could be a true yard stick to measure the utility and success of SITRA during the past 53 years. Another noteworthy feature of SITRA is the utilisation of its services by the members; more than 90% of the members avail every year one or more of the five services offered by SITRA.

The various activities of SITRA include

- ✦ Carrying out research on various problems relating to the textile industry with a view to reducing cost, improving quality and ensuring optimum utilisation of materials, machines and manpower in the country. Includes basic research relating to materials, machines and processes used by the textile industry in order to get a thorough understanding of their nature. More than 500 studies have been carried out in applied research which has been the biggest strength of SITRA.
- ❖ Physical and chemical testing of fibre, yarn and fabric in its ISO accredited (ISO/IEC 17025:2005) laboratories equipped with the latest state-of-the-art instruments available globally. The Eco-testing laboratory, the only one of its kind in South India, tests samples on eco friendliness.
- ❖ Consultation on a wide variety of areas like, modernisation, cost reduction, techno-economic viability, diagnostic studies, energy conservation, work assignments, productivity improvement, quality control, staff recruitment, machinery maintenance, machinery valuation, arbitration etc., apart from regular training, inter-firm studies on productivity, cost and financial performance.
- ❖ Advise various departments of Central and State governments on a wide range of issues such as long-term viability of the organised sector of the textile industry, staffing and service function of operatives in textile mills, fibre base for the future, per capita availability of cloth, working of spinning mills, manpower planning in 2010 A.D., etc. SITRA has also contributed to the framing of National Textile Policy and rehabilitation of the sick mills
- ❖ Development of textile machinery and instruments to help increased production, improved quality and import substitution. SITRA has fabricated over 50 testing instruments, which are important from the point of view of quality control and import substitution. Apart from licensing many of its instruments, SITRA has also obtained 63 patents which include new machines & processes (13), products & chemical processes (5), improvement on machines & new equipment (45).
- ❖ Assist mills to introduce quality control systems, energy conservation and cost reduction measures, scientific assessment of work assignments, machinery maintenance and comprehensive norms for productivity and quality.
- ❖ Training personnel from the textile industry - managerial, supervisory and clerical, apart from workers - are trained on various aspects of textiles and general management. SITRA's programmes are used as a medium for dissemination of knowledge, transfer of technology and know-how: as on date, close to 30,000 managerial personnel and 60,000 workers have been trained. The results of the various research and development works are disseminated to the mills in the form of, a) more than 600 in-house publications, b) Conferences and seminars c) Liaison visits to mills where the various findings are discussed in relation to the

About SITRA contd..

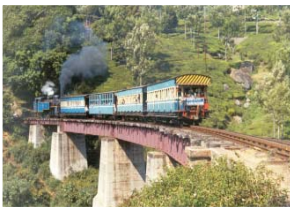
- ❖ SITRA has a vast collection of books on textile and management disciplines (totaling more than 25,000) in its library which is frequented by technicians and academic people regularly. The library also subscribes to around 200 technical and managerial journals.

SITRA as an institute as well as its scientists have been the recipients of over 55 National awards, the major ones being Assocham Award, Century Mills Best Technical Book Award, C.D. Foundation Trust Award, NRDC Award, Technology Day Invention Award, WIPO Gold Medal Award, etc

Owing to rapid globalisation and phase out of the quota-regime the Indian textile industry has to gear itself to meet the emerging trends of world trade. The thrust areas of research that SITRA has set forth for the new millennium include,

- ☞ Technology support for forward integration in spinning mills
- ☞ Help decentralised sector in upgradation of technology
- ☞ Assist in production of technical yarns and textiles
- ☞ Promotion of cleaner technology in textile manufacturing
- ☞ Develop human resources for absorbing new technologies.
- ☞ Suggest modifications in machinery for energy conservation and quality improvement
- ☞ Provide expertise on emerging areas like technical textiles

About Coimbatore



Coimbatore is the third largest city in the State of Tamil Nadu in South India and is noted for its pleasant and salubrious climate. Greater Coimbatore with a population of over 2,000,000 is primarily a textile manufacturing centre with over 100 textile mills located in the District. Being an industrial city, the other major industries include engineering goods, textile machinery, electric motors, motor pumps etc. The rural areas in the District specialise in cotton, sugarcane, maize, groundnut, onion and paddy cultivation.

Coimbatore District is one of the well known handloom and powerloom weaving centres.

Tirupur, a large knitwear manufacture and exporting centre, is within an hour's drive from Coimbatore. Coimbatore city has several educational institutions: 2 Universities, 4 Deemed Universities, 1 Agricultural University, 30 engineering colleges, 2 medical colleges, 36 arts and science colleges, 3 teachers training colleges, 1 college of physical education, 1 college of Auyurveda, 15 polytechnics and a Forest college.

The city has a well developed system of communication with daily jet flights to major cities of the country and direct flights to Singapore and Sharjah and has overnight and day express trains connecting Coimbatore with most of the important places in India. There are long distance deluxe express buses from Coimbatore to all important towns in Tamil Nadu and neighbouring states. For local transportation, taxis and three wheeler auto rickshaws are available in plenty. The cheapest mode of public transportation is the town bus service and all places in Coimbatore are well connected by the town buses. World wide satellite television channels are all available through many of the cable networks. Subscriber trunk dialling facilities are available with important towns and cities not only in the Country but also abroad. Internet browsing "Net Cafes" are available throughout the city. Popular and widely read English dailies are published at Coimbatore. There are number of hotels which offer accommodation at moderate rates ranging from Rs.200/- to Rs.1000/- per day. For the religiously inclined, there are many churches, mosques and temples in the city.

Coimbatore has very good medical facilities with a large number of Government and private hospitals as well as nursing homes providing good medical, surgical and health care facilities. There are also many places of shopping attraction in the city - Gandhipuram and R.S.Puram areas being the notable ones. Tamil is the language spoken by the majority in the region. English is widely understood both in urban and rural areas. Apart from busy industrial activity, Coimbatore city is also known for many places of tourist attraction. Ooty, The queen of hills, is just 100 Kms. away from Coimbatore.

