

### Introduction

The European Commission is currently undertaking the Switch Asia Program to promote economic prosperity and reduce poverty in Asian countries through sustainable growth with reduced environmental impact by industries and consumers, in line with international environmental agreements and processes.

In the first phase of Switch Asia program, fifteen projects are being implemented in ten countries of Asia. In Pakistan, Cleaner Production Institute (CPI) and Iqbal Hamid Trust are implementing the project of Sustainable and Cleaner Production in the Manufacturing Industries of Pakistan (SCI-Pak) in collaboration with ttz Bremerhaven and Centre on Sustainable Consumption & Production (CSCP) Germany.

SCI-Pak aims to develop a model for sustainable production in the textile and tannery sectors in Pakistan by promoting the more efficient technologies and processes throughout the supply chain and in consumer behavior. The project aspires to increase the technological capacity and know-how of Pakistani Small and Medium Enterprises (SMEs), induce technical innovations for promoting the indigenization of technologies and create a Sustainable Production Network.



In this connection, CPI arranged a half day **SMEs Seminar** on **March 24, 2010** at **Serena Hotel Faisalabad** to promote, disseminate and scale up the project achievements. The seminar served as a forum of different stakeholders to share knowledge and experience through case studies, discussions and presentations. The activity also provided local industries with ample opportunity for networking and to establish relationships for technology transfer from Europe to Pakistan.

### The Seminar Objectives:

The seminar aims were to:

- Introduce the project services, activities and progress
- Discuss the roles of project partners and other stakeholders for project implementation
- Share the environmental and energy efficiency options and provide cost effective solutions to textile industries.
- Explore collaboration with existing and prospective partner industries for delivery of project services and opportunities

### Resource Persons:

Following professionals from CPI and IHT teams acted as the resource persons in the seminar and shared their findings and recommendations with the industry representatives.

1. Mr. Shafqat Ullah (Program Manager, CPI)
2. Mr. Ammar Ahmad Yasir (Mechanical Engineer, IHT)
3. Mr. Tahir Arshad (Chemical & Environmental Engineer, CPI)



### Mode of Demonstration:

- Power Point Presentations
- Question/ Answer and Discussion Sessions

### Proceedings:

Participants from the leading textile processing industries were invited to attend the event. The invitation package included a registration slip, an invitation letter from the CPI Programme Manager and the seminar program.

- The registration of participants started at 3.00 p.m. at the reception desk where the CPI and project brochures were given to the checking-in delegates.
- At the start of the session, Ms. Aisha Sbeen, the seminar host welcomed the participants and the event formally started with the recitation from Holy Quran.
- The participants formally introduced themselves and were told the seminar norms.
- The session started with the presentation of Mr. Shafqat Ullah who introduced the project services and scope and also apprised the attendees about the project progress till date. His presentation also included description of the roles of project implementers, industrial associations and partner industries. Proposed activities of the project were also highlighted along the life cycle and supply



chain of industrial goods and services. The participants made different questions about the project such as:

- 1) How can we take benefit from SCI-PAK project?
  - 2) Will the SCI-Pak project be extended or not as there is great potential of working in these areas?
  - 3) How can SCI-Pak facilitate about energy efficiency equipments?
- Mr. Sahafqat Ullah explained:
    1. Just work on project which has the potential of energy saving and resource efficiency and the impact of which is measureable. SCI-Pak will help you in designing of the project, and will also provide finance in some areas like first 6-8 months monitoring and workers' salaries. However, the project implementation cost is to be borne by industry.
    2. Hopefully the project will extend for the next three years.
    3. The design of energy efficient and cleaner production technologies will be facilitated by SCI-Pak. Industry can request SCI-Pak team and designing will be performed by local as well as from European vendors.
  - After the presentation, tea and refreshments were served to the delegates.
  - As the session resumed, Mr. Ammar Ahmad Yasir took the mike to explain about the Industrial Equipment Manufacturers (IEMs) training which was carried out in Germany in 2009 and discussed some key skills and lessons learnt during the training. Yasir also highlighted the upcoming textile vendors training.
  - Dr. Naeem from Energy and Environment Engineers who was one of the attendees of IEM training in Germany shared some of his experiences of the training. He also discussed different technologies in which he provides technical services to the industry. For example, he explained the designing of condensing heat exchanger with figures and discussed material of construction, feasibility and pay back also.



- Cleaner Production and Energy Conservation Technologies (CETs) in textile processing was the major and the most detailed and comprehensive presentation of the seminar delivered by Mr. Tahir Arshed. He explained the important technologies with highest economic and environmental benefits for industry like caustic recovery plants, water treatment techniques, compressed air, thermal and electric energy saving options and human resource development. The different discussion points during the presentation were following:



- Question: What is recommended water quality for dyeing process?  
Answer: Soft water is recommended for dyeing process.
- Question: What are different caustic recovery technologies available along with their benefits?  
Answer: Currently multiple effect evaporator techniques are being widely used in Pakistan. Other techniques available are membrane technique and vapor recompression technique.
- Question: How much efficiency of the boiler can be increased by latent heat recovery from the flue gases?  
Answer: About 9% of efficiency can be increased by recovering latent heat from boiler flue gases.
- Question: How we can select right type of steam trap according to requirement?  
Answer: The trap selection procedure explained in detail with the help of slides. All aspects regarding steam trap system discussed briefly for selecting efficient trap.
- Question: What are your recommendations for the industry regarding stack gas analyzers?  
Answer: For larger industries or groups, they should purchase stack gas analyzer and should optimize all steam boiler, thermal heaters, generators etc. For small industries, they must conduct stack analysis regularly through laboratory for fuel savings.
- Question: How the singeing burner length can be adjusted according to fabric length?  
Answer: This can be done by using series of pipe with according no of nozzle for gas firing.
- The participants showed keen interest in different economic and financing, training and environmental opportunities being unfolded by the project to uplift the small and medium industries of Pakistan.

- The formal closing was announced by the seminar host with a vote of thanks to the participants and requested them to move to the dinner room.

## SMEs Seminar - Faisalabad

### List of Participants

#	Participant Name	Industry	Designation
1.	Rashid Mubeen	Samira Fabrics	Asst EMR
2.	Shoukat Ali	Latif Export	Boiler Engineer
3.	Arshad Tariq	Chenab Ltd	GM Engineering
4.	Arslan Arshad	Chenab Ltd	Energy Manager
5.	Mujeeb Mustafa	Gohar Textile	GM Quality
6.	Fiaz Ahmad	Noor Fatima Fabrics	Electrical Engr
7.	Ijaz Ahmad	Noor Fatima Fabrics	Manager HR/Compliance
8.	Hammad Bashir	Amtex Limited	Manager QA/ Compliance
9.	Mansoor Mujeeb	Amtex Limited	Asst Manager Compliance
10.	Noor Ahmad	Al-Barka Fabrics	Management Representative
11.	Shaikh Waqar Azim	Sadaqat Ltd	Chief Engineer
12.	Hasnain Haider	Sadaqat Ltd	Energy Manager
13.	Muhammad Zakaria	BFL	Electrical Engineer
14.	Mushtaq Khokhar	Al Rehmat	Manager Quality Assurance
15.	Mirza M. Hussain	Rashid Tex	Boiler Engineer
16.	Muhammad Azam	Hilal Textile Corporation	Chemical Incharge
17.	Muhammad Imran	MTM	HR Manager
18.	Khaliq Nawaz	MTM	Sr. Mgr HR & Compliance
19.	Naeem Ahmad	Hilal Textile Corporation	Lab Incharge
20.	Nadeem Naseem	Abdul Rehman Corporation	Financial Advisor
21.	Atiq ur Rehman	Abdul Rehman Corporation	Director
22.	Muhammad Shaukat Ali	Al- Rehmat Textiles	Manager HR
23.	Khalid Mahmood	Sweety Textiles	Sr. Manager HR/ Admn
24.	Rashid Ali	Sweety Textiles	Asst Officer
25.	Sher Ali	MK Sons Pvt Ltd	Mgr Compliance
26.	Muhammad Javed	Arzoo Textiles	Ex. Officer
27.	M.M.Hussain	Rashid textiles	Boiler Engr
28.	Rashida Arshad	Arzoo Textiles	Asst Manager
29.	Dr. Naeem ul Zaman	Energy and Environment Engineers	Managing Partner
30.	Naeem Ahmad	Hilal Textiles	Lab Incharge
31.	Muhammad Azam	Hilal Textiles	Chemical Incharge
32.	Engr. M. Khalid Kaleem	Energy and Environment Engineers	Executive
33.	Asim Ali Shah	Bismillah Tex	Manager Compliance
34.	Sarfraz Hussain	Bismillah Tex	Manager HR
35.	Masood Akhtar	Faisal Fabrics	Manager Compliance
36.	Sajid Raza	Faisal Fabrics	Manager Imports
37.	Major Saleem Iqbal	Faisal Fabrics	GM HR & Admn
38.	Major Zulfiqar	MK Sons	GM HR & Admn
39.	Amir Hussain	Arzoo Textile Mills	GM HR & Admn
40.	Muhammad Javed Anwar	Kamal Textile Mills	Manager Power Plant
41.	Major Shahid	Kamal Textile Mills	Manager Admn
42.	M Amir	Kamal Textile Mills	Manager Boiler
43.	Shahzad	Milli Textiles	Asst HR Manager
44.	Suhail Ahmad Khan	Milli Textiles	Manager HR & Compliance

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#	Participant Name	Industry	Designation
45.	M. Shafiq Mehr	Kamal Textile Mills	GM HR & Systems
46.	Nasir Ahmad Butt	Sitara Textiles	Sr. GM Maintenance
47.	Waqas Ali	AM Knitwear	Manager Admn & HR
48.	Awais	AM Knitwear	Compliance Officer
49.	Rahmat Ali	MSC Textiles	Manager Compliance
50.	Shahid Abbas	Samira Fabrics	Manager Compliance
51.	Tariq Mahmood	Arshad Corporation Pvt Ltd	Manager Admn & HR