

Bahrain Society of Engineers

Report of the Board of Directors for the Term 2005/2006

First: Executive Summary

Ladies & Gentlemen

We are pleased to welcome you to the Annual Ordinary General Assembly Meeting , and we thank you and appreciate your presence in this vital meeting. I am delighted to present to you the Cultural Report of the Board of Directors for the past term extending from 22.3.2005 until today.

At the outset, the Board of Directors would like to express their thanks and gratitude to all the members who have devoted their time and loyal efforts for organizing the various activities and events of the BSE during the past period and also to the members who attended and took part in those events. We would also like to express our thanks and appreciation to all the public and private organizations in Bahrain or overseas who has supported the BSE during the past period which contributed to the success of its activities and programmes and enhancing its professional, scientific and social position.

The meeting of the Ordinary General Assembly held on 22.3.2005 resulted in electing the following engineers for the membership of the Board of Directors:

- 1- Mohammed Ali Alkhozaae
- 2- Masoud Ebrahim Al Hermi
- 3- Jamil Khalaf Al Alawi
- 4- Heyam Mohammed Ali Al Maskati
- 5- Jawad Ebrahim Hassan (reserve)

The Board of Directors held its first meeting on 22 March 2005 under the chairmanship of Mohamed Khalil Alsayed, and following vote sorting, the positions were distributed as follows:

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| - Masoud Ebrahim Al Hermi | Vice President |
| - Mohammed Ali Alkhozaae | Executive Secretary |
| - Samih Mahmoud Al Alawi | Treasurer |
| - Fouad Ahmed Al Shaikh | Director of Conferences |
| - Abdulla Ahmed Janahi | Director of Training |
| - Dr. Isa Qamber | Director of Membership Affairs |
| - Jamil Khalaf Al Alawi | Director of Activities |
| - Heyam Mohammed Al Maskati | Director of Information &
Community Services |

The Board held during its term that terminates today, 18 ordinary meeting and one extra-ordinary meeting, during which planning took place for the various programmes and activities of the BSE and following up their implementation.

At the beginning of the term, the Board laid down a work plan in line with the strategic plan of the BSE, taking into consideration the plans and programmes that were adopted by the previous Board, the recommendations of the General Assembly and benefiting from the available opportunities. This is in addition to providing programmes and activities that attract members and motivate them to take part. The plan also included activities that aim to enhance the relationships between the BSE and the official bodies, professional, social and scientific societies in Bahrain and overseas in addition to the Arab and international engineering unions and institutes particularly the Federation of Arab Engineers and the GCC Engineering Forum.

In line with the work plan, many activities and events were held during last year and the beginning of this year. Here are a summary of the important events:

- 1- Organizing five conferences and exhibitions which were held last year in collaboration with some local, Arab and international universities, institutes and societies.
- 2- Organizing 24 workshops and training courses, whether those which were held by the BSE alone or in collaboration with other bodies or concurrently with conferences. All such workshops recorded great success.
- 3- The BSE continued organizing conferences and workshops and gained excellent reputation. This promoted many ministries and establishments to request the BSE to organize specific activities on their behalf or jointly with us, representing a source of pride for all of us and comes as a natural fruit of the creativity and efforts shown and exerted by our members.
- 4- The last term witnessed extensive efforts, studies and communications with official bodies and the Legislative Council to accelerate the issuance of Cadre of Engineers. This is expected to be realized within the next few weeks.
- 5- The 1st Engineering Careers Day that was organized at the BSE premises on 22 February 2006 witnessed an overwhelming response by students and their parents, and this would encourage us to hold this exhibition every year after avoiding the negatives aspects in future and present it in a better way.
- 6- Two issues of Al Mohandis magazine were released during this year and the third issue is underway. The BSE, for the first time, managed to find two sponsors to cover the expenses related to the issuance of this periodical.
- 7- The BSE continued its undertaking to finance a number of members who are studying at the Faculty of Engineering at the University of Bahrain in order to promote the engineering profession and contribute in surmounting the financial difficulties facing the students families.

- 8- The BSE continued its efforts to finance 11 engineering students studying with Al Najah University in Palestine and cover their expenses. A number of our members made financial contributions towards granting academic grants to the students.
- 9- The BSE organized a number of events last year, including an extensive number of specialized seminars and symposia as part of Tuesday Forum in addition to some recreational activities and technical visits to some projects.
- 10- The BSE continued its participation in the meetings of the GCC Engineering Forum and the Federation of Arab Engineers.
- 11- The total number of those who were approved to join the membership of BSE during last year was 95 members.
- 12- The new website of BSE was upgraded and developed.
- 13- The Board of Directors continued its efforts in developing the accounting, IT and administrative systems of the BSE.

The details of the events and activities are shown below.

Ladies and Gentlemen

The Board of Directors has managed to record a number of achievements in all spheres. However, these achievements still remain below our expectations. We are aware that there is still a room to avoid inefficiencies, overcome the negative aspects and effect further enhancements to put in place more projects which are still in the form of ideas.

Based on the foregoing, we would like to submit some recommendations and suggestions to the new Board of Directors:

- 1- Study the constitution and by-laws of the BSE and apply appropriate changes and amendments in preparation for approval of the same in a meeting to be held by the General Assembly as extra-ordinary business.
- 2- Study and prepare new administrative and financial regulations in line with the developments witnessed by the BSE during the past years.
- 3- Activate the strategic plan programme.
- 4- Follow-up the promulgation of the Professional Societies Law and interact with the concerned authorities for the sake of protecting the rights of the BSE and the engineering sector.
- 5- Lay down a comprehensive recommendation for utilizing the funds available with the BSE and discuss successful methods of investment.
- 6- Develop the facilities and utilities at the BSE premises.
- 7- Follow-up the issuance of Cadre of Engineers with the concerned bodies in the public sector and persuade the private sector to use the same cadre or adopt a similar one.
- 8- Exert efforts to attract more engineers to become members of the BSE in order to qualify them to represent the engineering sector in the Kingdom on a larger scale.

- 9- Approve the appointment of Messrs. Jawad Habib and Associates as auditors of the BSE accounts for next year.

Second: External Affairs

The Ninth Gulf Engineering Forum:

Under the patronage of H.H Shaikh Khalifa bin Sulman Al Khalifa, Prime Minister, the BSE hosted the activities of the Ninth Gulf Engineering Forum which was held during the period 12-14 December 2005 at Crown Plaza Hotel. The Forum was held on 12 and 13 December and speakers from various GCC countries took part in addition to speakers from outside the region. An extensive number of work papers were discussed during the scientific sessions. During the opening ceremony, a number of pioneers were honored, two from each country and four engineers from Bahrain:

- H.E. Mr. Hassan Fakhro
- Mr. Hesham Al Shehabi
- Mr. Dheya A. Aziz Towfiqi
- Mr. Ahmed Abu Bakr Janahi

For the first time in the GCC forums, awards of excellence and creativity were distributed, while the first award was not awarded. Awards of merit were presented to Mr. Abdulla Al Ghamdi in recognition of his achievement in developing the specifications of aircraft fuels and Mr. Fahad Al Luhaim in recognition of his graduation project (Dar Al Quran). The meeting of the Supreme Council of the Forum was held on 14 December at the BSE premises. Representatives of engineering bodies took part in the meeting of the GCC official delegations. The Council passed a number of resolutions that may contribute in the promotion and development of joint work between GCC countries.

The Extra Ordinary Meeting of The Supreme Council:

The Supreme Council of the Forum held an extra ordinary meeting on February 23rd 2006 at Holy City Makkah, the meeting discussed and approved the amendments to the bye laws. Mr. Masoud Al Hermi the vice president represented the society at the meeting, he also attended meetings of the related committees.

Federation of Arab Engineers:

- 1- The BSE secretary together with the director of conferences attended the Supreme Council (Term 60) of the Federation of Arab Engineers which was held in Libya on 20-21 November 2005.

- 2- Dr. Abdul Emam Al Samak took part in the activities of the Engineering Education Committee and attended a meeting in Jordan on 12.5.2005 which resulted in launching the website of the committee.
- 3- Mr. Essa Ali Janahi attended the meeting of Palestine and Uprising Support Committee that was held in Amman, Jordan during 2005.
- 4- Concurrently with the 23rd Arab Engineering Conference, the Communication and IT Committee held its meeting under the chairmanship of its reporter Mr. Saleh Taher Taradah in presence of most of the committee members. During the meeting they planned for organizing the Third Communication Conference in the State of Kuwait during the month of November 2006.

World Federation of Engineering Organizations (WFEO):

Mr. Hesham Al Shehabi represents the BSE in the World Federation of Engineering Organizations in his capacity as the vice chairman of the WFEO, director of education and training and the chairman of Follow-up Committee for 2008 conference. He is also a member of the Awards and Medals Committee, member of the Strategic Plan of WFEO in addition to his membership in the Executive Office and the Executive Council.

Mr. Al Shehabi took part in most of the events during his membership of the committees, and with such initiatives the BSE gained outstanding reputation and highlighted its role as a leading professional engineering body regionally and internationally. He managed to promote the BSE as a prominent organization in the engineering sphere.

Third: Strategic Plan:

The strategic plan comprises six work items which were supposed to be implemented during the term 2004-2005 as follows:

- 1- Code of Ethics
- 2- Operating IT systems of the BSE
- 3- Development of Organizational Structure of BSE
- 4- Increase the number of members at the BSE
- 5- Establishment of Training Center
- 6- Strategic planning process at the BSE

The Board of Directors was not able to implement all the items of the 2004-2005 plan and there was variation in the extent of achievements from an item to another. This was due to the fact that the Board of Directors concentrated during 2005 on some programmes which were given priority such as the Cadre of Engineers which took extensive efforts and in addition to some failure in following up the implementation of some items. The Board emphasizes the necessity of overcoming such obstacles during the next stage and to exert all efforts to implement the remaining items of the plan after they are reassessed and

priorities are reconsidered. Following are some details about the progress of each item of the plan:

1- Code of Ethics

The Board of Directors has prepared the code of ethics which was launched during June 2004 in a joint forum with FEDIC. The BSE recorded an important achievement in this field when the Ministry of Works and Housing adopted the code of ethics. The Board of Directors is seeking to promote this code to cover the other ministries and engineering bodies.

2- Operating IT systems of the BSE

This project is now completed and now work is underway to arrange accounting and information processes for the BSE activities including accounts, memberships, conferences and Computer Training Center.

The Board of Directors went beyond the strategic plan of 2004-2005 by preparing the tender documents for implementing a comprehensive system for quality management at the BSE including the processes and procedures and attestation thereof leading to obtaining ISO certification by BSE. Five companies were invited to present their quotations. Four quotations have been received and subsequently a consulting company will be appointed to lay down the quality management system.

3- Development of Organizational Structure of BSE

This item was rescheduled to be implemented during 2006 and there is a recommendation to the new Board for such purpose.

4- Increase the number of members

A committee has been formed for this purpose and a questionnaire has been prepared for such purpose and sent to the members. This was not completed yet and has been rescheduled for implementation during 2006.

5- Training Center

The tender documents have been prepared to invite a number of consulting companies to carry out a feasibility study for the establishment of a training center for the BSE to be managed professionally and on a commercial basis. Four consulting companies have been invited and three quotations were received. The offers have been analyzed and evaluated and the Board appointed a consulting to proceed with the study.

6- Strategic planning process

This item has been rescheduled for implementation in 2006 and the Board emphasizes the importance of this item.

Fourth: Cadre of Engineers

The Board of Directors followed up the Cadre of Engineers for the Government Sector and gave it special priority due to its importance for a large number of engineers and members. The cadre committee was formed, comprising the following members:

1-	Mohamed Khalil Alsayed	Chairman
2-	Muneer Yacoubi	Member
3-	Ahmed A.Aziz Al Khayat	Member
4-	Masoud Al Harmi	Member
5-	Jawad Jaffar Al Jabal	Member
6-	Zeyad A. Latif Janahi	Member
7-	Seema Ahmed Al Lingawi	Member

The committee discussed the issue related to revision of the present cadre of engineers, with reference to other experiences including the experience of the Kuwait Society of Engineers in studying the cadre of engineers. The committee laid down the terms of reference to study the cadre and invited four management consulting companies to submit their offers for the preparation of the cadre of engineers. On the light of offers submitted, Jawad Habib BDO was appointed to prepare the study.

The cadre committee held many meetings with the consulting company during the various stages of the study which was completed in its final form in December 2005 and subsequently sent to the Civil Service Bureau, Council of Representatives and to a number of concerned ministries which employ comparatively large number of engineers. A meeting was held on 3 December 2005 with the engineers working with the Government and the cadre project was reviewed and received good response from the engineers who attended the meeting.

The Board of Directors restlessly followed up the issue of cadre of engineers during the last few months with a number of ministers in various ministries concerned with engineering, parliamentarians, Civil Service Bureau and H.E. Ministry of Prime Minister Court. These follow-ups proved to be fruitful and resulted in obtaining the consent of the Services Committee at the Council of Representatives to the cadre which also received the support of a number of ministers and parliamentarians. This topic was also discussed in the Cabinet of Ministers at the beginning of February 2006. The Cabinet of Ministers instructed the Civil Service Bureau to accelerate the revision of the cadre proposed by the BSE and to submit their recommendations to the Cabinet of Ministers.

A time schedule has been agreed with the Civil Service Bureau for the discussion of the cadre. The Cadre Committee held another meeting with the engineers working in the Government sector on 11 March 2006.

Fifth: Organizing Professional Practice

The Board of Directors continued the topic related to the regulation of engineering profession practice and a letter to this effect was sent to H.E. Minister of Works and Housing pleading for a greater role for the BSE to play in the regulation of the profession and to ensure that the BSE is expressly and officially represented in the Regulation of Engineering Profession Practice Committee which is proposed to be formed under the new draft law. In their letter, the BSE pleaded to undertake the following tasks and roles in the regulation of the profession:

- 1- Developing engineers qualification system
- 2- Preparing, qualifying and registering engineers
- 3- Preparing the code of ethics
- 4- Continuous professional development programme

Furthermore, the Board also requested in the said letter to consider the possibility of engineers working within the sector to practice their profession through engineering offices subject to certain controls and criterion. The BSE also requested that compliance with the code of ethics issued by the BSE must be a condition precedent for granting licenses to practice the profession. The Board followed-up this issue with H.E. Minister of Works and Housing through the President of BSE. Two follow-up letters were also sent to the concerned minister in this respect.

Sixth : Conferences and Exhibitions

During the year 2005 Bahrain Society of Engineers Organized the following Seminars and International Conferences and exhibitions independently and in association with other Organisations. All our events have achieved tremendous response and highly appreciated by the participants from the Gulf Countries and other part of the World.

1. **CONFERENCES & EXHIBITIONS CONDUCTED DURING THE YEAR 2004.**

S.No.	Conference Title	Date	Venue
1	23 rd Arab Engineering Conference	14 – 16 Mar 2005	G.I.C.C. Gulf Hotel
3	Property Exhibition	27-29 Sept 2005	Bahrain Intl. Exhibition Centre
4	3 rd Middle East Non Destructive Testing Conference & Exhibition	27 - 30 Nov 2005	G.I.C.C. Gulf Hotel
5	Intelligent Building Middle East 2005	5 – 7 Dec 2005	Bahrain Intl. Exhibition Centre
6	9 th Gulf Engineering Forum	12 – 14 Dec, 2005	Crowne Plaza Hotel

i) **23rd Arab Engineering Conference - 14 – 16 March 2—6**

The Bahrain Society of Engineers in association with the Federation of Arab Engineers organized the 23rd Arabian Engineering Conference in Bahrain on 14-16 March 2005 under the Patronage of H.H. Shaikh Khalifa bin Salman Al Khalifa, the Prime Minister of the Kingdom of Bahrain.

The conference was attended by more than 400 delegates from all Arab Countries especially members of the FAE. The event was held at the Gulf Hotel Conference Center with great success.

ii) **Property Exhibition 2005**

The Bahrain Society of Engineers in association with the Bahrain Convention and Exhibition Bureau organized the 2nd Property Exhibition on 27-29 September 2005 at the Bahrain International Exhibition Center under the patronage of H.E. Shaikh Khalid bin Abdulla Al Khalifa, the Minister of Prime Ministers Court, Kingdom of Bahrain.

More than 52 Companies from Bahrain, Saudi Arabia, UAE, Oman, India, Malaysia, Italy, India participated in the Exhibition. Major Property

Developers like Bahrain Financial Harbour, Durrat Al Bahrain, Al Enmaa Properties, Al Khaleej Development (TAMEER) were the Platinum sponsors of this show.

iii) **3rd Middle East Nondestructive Testing Conference & Exhibition**
27 – 30 November 2005

Bahrain Society of Engineers in association with ASNT- Saudi Arabian Section organized the Third Middle East Nondestructive Testing Conference & Exhibition under the patronage of H.E. Dr. Hassan Abdulla Fakhroo, Minister of Industry and Commerce at the GICC, Gulf Hotel on 27 – 30 November 2005.

4 Invited Keynote Speakers presented their Keynote Speeches in addition to the 57 technical papers presented by the Speakers from all over the world.

The conference was attended by 430 delegates including Speakers from the GCC and other part of the world. An exhibition was also organized in conjunction with the conference and 61 stands booked by 47 Companies from the GCC Countries and all over the world.

iv) **Intelligent Building Middle East 2005 - 5-7 December 2005**

Bahrain Society of Engineers in association with the Bahrain Convention and Exhibition Bureau and Neumberg Global Fairs from Germany organized the First Conference on Intelligent Building Middle East 2005 at the Exhibition Center on 5 – 7 December 2005 under the patronage of H.E. Fahmi Al Jowder, the Minister of Works & Housing. The Conference and Exhibition, being the first of its kind held in Bahrain was very successful. The organizers agreed to organize the Conference & Exhibition once every year.

v) **9th Gulf Engineering Forum - 12-14 December 2005**

The Forum jointly organized by the Engineering Societies in GCC at the Crowne Plaza, Kingdom of Bahrain on 12-14 December 2005 under the patronage of H.E. Fahmi Al Jowder, the Minister of Works & Housing, Kingdom of Bahrain. Specialists from GCC and other Arab Countries presented their technical papers during the two days conference. More than 160 delegates attended the forum.

Conferences and Exhibitions Scheduled to be Conducted in the Coming Years:

S.No	NAME OF CONFERENCE	Proposed Date	Venue
1	11 th Middle East Corrosion Conference	26 Feb & 1 Mar 2006	Gulf Hotel
2	First Municipality Action Conference	26 - 27 March 2006	Crowne Plaza
3	International Conference & Exhibition on Technology Transfer	24 - 26 Apr 2006	Gulf Hotel
4	3 rd Middle East Metrology Conference & Exhibition – Measurement & Instrumentation 2006	29 - 31 May 2006	B.I.E.C.
5	Property Exhibition 2006	20-23 Nov 2006	B. I. E .C
6	Intelligent Building Middle East 2006	20-23 Nov 2006	B.I.E.C.

BSE is planning to organize more International Conferences jointly with the American Institutions – Saudi Arabian Sections during the year 2007. BSE had a meeting with the representatives from ASME-SAS (Saudi Aramco) to discuss the possibilities for a joint conference on Rotating Equipments during November 2007 at the Kingdom of Bahrain. Draft MOU prepared and reviewed by both the organizations.

We are definitely looking at more active participation and contribution from BSE members to make our events more successful. I am confident that with your support and commitment towards the society's activities we can be the leading institution for technical events not only regionally but also internationally.

Finally, I would like to thank my fellow board members, Committee members and all volunteers for their dedication and commitment in working together as a team towards achieving BSE's objectives and goals. Thanks and appreciation to BAPCO, ALBA, BATELCO, GPIC, Ministry of Works & Housing, Ministry of Electricity & Water, Ministry of Municipalities & Agriculture ,Saudi Aramco and all other major companies for their continuous supports towards our activities.

Seventh : Courses and Workshops

Courses conducted in Year 2005

S.no	ENGINEERING COURSES & MANAGEMENT	Course Dates
1	Managing Project Risks: An applied approach	27-28 Feb 2005
2	FIDIC Conditions of Contracts for Construction Projects & Claims Analysis	5-9 March 2005
3	Maintenance Improvement for Managers & Supervisors	12-14 March 2005
4	Writing and Evaluating Consultant Prequalification	21-23 March 2005
5	Advances in Concrete Technology	28-30 March 2005
6	Cost Management for Engineering Projects	11-13 April 2005
7	Writing and Evaluating Construction Specifications	16-18 May 2005
8	Writing Arabic and English Technical Reports-Morning session	22-25 May 2005
9	Writing Arabic and English Technical Reports-Evening session, Graduate engineers training program	22-25 May 2005
10	Effective Maintenance Procedures Writing	28-30 May 2005
11	Landscape Urbanism	13-15 June 2005
12	Maintenance and Troubleshooting for Pumps and Compressors	25-28 June 2005
13	How to become the best Leader & Manager you are capable of becoming	10-14 September 2005
14	Interior and External Lighting Design	26-28 September 2005
	IN-HOUSE TRAINING	
15	Qatar Petroleum -Contract Administration	11-15 September 2005
16	Ministry of Electricity and Water, Bahrain Kuwait and Qatar employees Maintenance Improvement for Managers and Supervisors for	12-16 November 2005
	IT COURSES	
1	Project Management using MS Project	7-18 May 2005
2	AutoCAD Training Level I – Sat, Mon Tuesday	6 Aug till 7 Sept 2005
3	AutoCAD Training Level II - Sat, Mon Tuesday	10 Sept till 12 Oct 2005
4	AutoCAD Training Level III - Sat, Mon Tuesday	15 Oct till 16 Nov 2005
5	AutoCAD Training Level IV - Sat, Mon Tuesday	19 Nov till 24 Dec 2005
6	AutoCAD Training Level I – Sun & Tuesday	4 Sept till 4 Oct 2005
7	AutoCAD Training Level II - Sun & Tuesday	8 Nov till 11 Dec 2005
8	AutoCAD Training Level III - Sun & Tuesday	25 Dec till 29 Jan 2006

ENGINEERING COURSES AND MANAGEMENT TRAINING

1) **Managing Project Risks: An Applied Approach – 27-28 February 2005**

This course had a total of 16 participants who were trained on the concepts and techniques on project risk management describing the processes concerned with identifying, analyzing and responding to project risk. The course was conducted by well known speaker Dr. Kamal S. AL Harbi a PMP Professional.

2) **FIDIC Conditions of Contracts for Construction Projects & Claims Analysis- 5 – 7 March 2005**

This course had a total of 37 participants who were trained on the contractual know-how for working on future international projects This practical seminar illustrated the use of FIDIC Conditions of Contract for construction and the FIDIC Conditions of Contract for Plant and Design Build. It was conducted by Dr. Munther Saket who has extensive experience with FIDIC claims, disputes, adjudications and arbitration procedures throughout the world

3) **Maintenance Improvement for Managers and Supervisors – 12 -14 March 2005**

This course was conducted Ben Stevens who has background on equipment reliability and maintenance improvement. Maintenance improvement training needs to be focussed around the practical application of management concepts to the workplace. Therefore this program was directly targeted at using everyday examples to demonstrate how the improvements are feasible and can be transferred into daily work. There were a total of 15 participants who attended this program

4) **Writing and Evaluating Consultant Prequalification – 21-23 March 2005**

This course was conducted with the main objective of enhancing and improving on capabilities of entities dealing with public prequalification of consultants and to help them perform transparent efficient for large complex projects. This course had 19 participants who were trained by Dr. Mahmod Murad who has worked several years un the construction industry in both private and public sectors.

5) **Advances in Concrete Technology – 28-30 March 2005**

The course covered in detail recent trends and implementation of advanced concrete construction materials in construction projects with emphasis on applications to the gulf region. This course was conducted by Dr. Samer Ezeldin to a group of 6 participants

- 6) **Cost Management for Engineering Projects – 11-13 April 2005**
The course covered the essentials in the organization of a project team and factors affecting the project scope and timeline with examples of different scheduling methods with an overall view to accounting terminology and financial statements. The course was conducted by Dr. Abdallah Odeh and Mr. Ghaleb Y. Abbasi who are both experts in this field especially in the fields of Costing and Cost Engineering Decision Making. A total of 20 participants attended the training program
- 7) **Writing and Evaluating Construction Specifications – 16-18 May 2005**
A total of 16 participants attended this training program which was conducted by Dr. Issam Omar who has tremendous experience in preparing specifications and tender documents, quantity surveying and cost estimating. The course trained the participants on design, construction, quality and facilities management prompts and the basic principles of specifying.
- 8) **Writing Arabic and English Technical Reports – 22-25 May 2005**
Dr. Tareq Rasheed has over 40 technical papers published in refereed journals international and local conferences and has been teaching at Jordann's Al Isra University supervising graduation projects which includes Technical Report Writing. This course focused on both Technical Report Writing as well as communication skills. A total of 23 participants attended this training program
- 9) **Graduate Engineers Training Program-Technical Report Writing -22-25 May 2005**
The Graduate Engineer's Training program was initiated with the objective of providing hardworking and deserving meritorious students and graduate engineer members the opportunity of being nominated for a **Free Skill Enhancement Training Program** as part of the Society's efforts to provide special privileges to its members. In Year 2005, BSE awarded 20 students and Graduate members a free training on "Technical Report Writing" in its attempt to empower students and young engineers to perform better in their future career. This course was well received and highly appreciated by all the participants opening up the road to more such programs in the future.
- 10) **Effective Maintenance Procedures Writing -28-30 May 2005**
This three day course in May attracted about 25 participants. The course consisted of an overview of the maintenance procedures writing process, together with a close examination of all the main elements which make up the work order. This course was conducted by Ben Stevens
- 11) **Landscape Urbanism – 13-15 June 2005**
This workshop investigated the agency of Landscape Urbanism as a catalyst in Urban Planning through its historical and, theoretical and

practical basis and was conducted by Gary Doherty who has worked in various schools of architecture in Europe, Asia and Australia. A total of 9 participants attended this program

12) Maintenance and Troubleshooting for Pumps and Compressors – 25-28 June 2005

Dr. Taha K. Al Doss has worked as consultant in many industrial projects and has delivered several technical courses in pumps, compressors, piping systems and A/C and heating systems. There were 15 participants who were trained on pumps and compressors, their construction, operation performance curves, control and troubleshooting.

13) How to become the best Leader & Manager you are capable of becoming – 10-14 September 2005

This program was conducted by Alan Patching who is a well known international speaker and presenter and the ex- CEO of the company that built the Sydney Olympic Stadium. This was a very highly received training program which apart from covering a mix of leadership and management material, it focused on psychology in leadership, especially in relation to breaking through performance barriers at both personal and business performance levels.

14) Interior and External Lighting Design – 26-28 September 2005

This course was conducted by Dr. Harald Hoffman with special inputs and catalogues from Targetti Italy who are one of the well known Lighting Companies in this field. A total of 29 participants attended this course who acquired specific knowledge on the correct and effective use of light in their projects.

IN-HOUSE TRAINING PROGRAMS

1. Contract Administration – for Qatar Petroleum – 11-15 September 2005

An in-house training program for Qatar Petroleum was conducted on a five day schedule to suit their training requirements. The course was presented by Dr. Munther Saket and Dr. Waleed Al Migdadi who have tremendous experience in this field of Contract Administration and Claims Analysis. A total of 20 participants completed this training program successfully.

2. Maintenance Improvement for Managers and Supervisors 12-16 November 2005

In addition to the regular training program an in house training program was conducted at the Ministry of Electricity and Water which was attended by delegates from Kuwait and Saudi Arabia as well as

from Bahrain. Many different maintenance management techniques were discussed, using practical examples that related directly to the workplace. Numerous short self-tests were used to match the appropriateness of the techniques to the attendees' work environment. The discussions and workshops were entered into with enthusiasm by the participants - making the three-day session very interesting, most exciting and hard work. The feedback from the attendees was very positive."

IT TRAINING PROGRAMS

1. Project Management using MS Project 2002

The Aim of the course was to provide training on the essential tools required for building a project schedule at every stage of a project. There were a total of 8 participants from the Ministry of Works and Housing, Kingdom of Bahrain successfully completed this course

2. AutoCAD Training Program – Ministry of Electricity and Water and Civil Aviation Employees

Level I-IV from 6 August – 26 December 2005 on Saturdays, Mondays and Wednesdays

A total of 7 participants attended and completed the training program at the IT Training Centre. The participants were trained on various computer aided designs and drawings as well as three dimensional drawings with the added features of the new version of AUTOCAD 2004. The participants were issued AutoDesk certificates upon completion of the course

3. AutoCAD Training Program – ASRY Employees

Level I-III from 4 September till 29 January 2005

A total of 14 participants attended and completed the training program at the IT Training Centre. The participants were trained on various computer aided designs and drawings as well as three dimensional drawings with the added features of the new version of AUTOCAD 2004. The participants were issued AutoDesk certificates upon completion of the course.

Eighth: General Activities

During the year under review (2005), the Activity Committee has organized several scientific, technical, social and sports activities for the members and their families. A considerable number of nonmember Engineers have also benefited out of these activities. In order to best utilize all efforts and engage the maximum number of members in the Society activities, the Committee members have been divided into three subcommittees, the Tuesday Forum Committee, the Technical and Scientific Visits Committee, and the Social and Sports Committee. Some of the Subcommittees activities are highlighted below:

1. The Tuesday Forum Committee:

The Tuesday Forum Committee objectives, is the planning and organizing seminars and technical presentations over the year, about various kinds of Engineering and Engineering related subject. During last year, the Committee managed to organize around 17 presentations, delivered by Engineers and Specialists from BSE or non BSE members. The presentations have attracted many BSE members as well as many nonmembers Engineers and interested people from the community.

Committee Activities:

No.	Date	Lecture Title	lecturer
1	11/01/2005	Genetic Engineering	Dr.Abdulla A.Rasool
2	25/01/2005	Converging Technologies and Their Impact on Buildings	Farry Akhlaqi
3	08/02/2005	Application of Mosif and Creamoc in Technology Transfer Challenges	Dr.Mustafa AISayed
4	22/02/2005	Coordination of the Planning & Implementation of Dev. of Infrastructure	Dominic Mcpolin
5	08/03/2005	Effect of Reclamation Works on the Marine Life in the Bahrain	Ghazi M. Alam Rehan Ahmed
6	29/03/2005	Novel Methods of Detecting Faults Within Control Valves	Dr.Moh'd Shareef
7	05/04/2005	Engineering Education and Job Market Requirement	Abdul Elah Alqasimi Hesham AIShehabi
8	12/04/2005	Interpersonal Skills for Project Managers	John Blacklaws
9	03/05/2005	Case for Downstream Aluminium Industries in Bahrain	Adel Hamad

10	17/05/2005	Aga Khan Award for Architecture Gulf Cities, a Search for Identity in a Global Environment	Ali Khan Jameel Busaa
11	31/05/2005	Liberalization of Telecommunications in Bahrain	Anderias Avegosti
13	27/09/2005	Recent Advances in Bridge Engineering in North America	Dr.Mustafa Hasanain
14	15/11/2005	Change Management in Construction Projects	Farry Akhlaqi
15	06/12/2005	Fiber optics Networking	Jamal Hashim
16	14/02/2006	Value Engineering and Total Quality Management	A.Aziz AlYousefi
17	21/02/2005	North Town Project	Maamon AlMoayed

Committee Members:

Isa Mahfoudh, Isa Janahi, Saeed Asbool, Rana Khalifa, Deena Seyadi, Aqeel Alali, Younis Hamzah, and Forat Hussain.

2. Technical and Scientific Visits Committee:

The Committee objectives, is the planning and organizing Scientific and Technical visits over the year, to local or overseas Factories and Engineering Projects to provide opportunities to BSE members to get in touch with to practical and field experience and help develop their carrier.

During last year, the Committee managed to organize around 4 Technical Visits to various kinds of Projects. The visits have attracted many BSE members on an average of 25 persons per visit.

Committee Activities:

1. Technical visit to King Fahad Causeway 26th May 2005
2. Technical visit to the New Control Tower in Bahrain Airport 16th June 2005
3. Technical visit to Sh.Isa Bin Salman Al Khalifa Library 8th Dec 2005
4. Technical Visit to Aluminium Bahrain "Alba" 5th Line 2nd March 2006

Committee Members:

Aqeel Alali, Iman Radhi, Ibtisam Khalil, and Abdulla Moh'd.

3. Social and Sports Committee:

The Social and Sports Committee objectives, is the planning and organizing Social and Sports activities over the year, for the members and their families to help improve the social relationships among BSE members and get to know each others.

During last year, the Committee managed to organize around 5 main social and sports events which have attracted many BSE members and their families.

Committee Activities:

- | | |
|--|--------------------------------|
| 1. Open Family Day in Marina Club | 14 th July 2005 |
| 2. Open Family Day in Albander Resort | 2 nd September 2005 |
| 3. Ramadan 1 st Dinner (Ghabga) | 11 th October 2005 |
| 4. Ramadan 2 nd Dinner (Ghabga) | 25 th October 2005 |
| 5. BSE Annual Running and Walking Race | 27 th January 2006 |

Committee Members:

Amer Bin Rajab, Basim Soroor, Shatha Alwiswasi, Ibtisam Khalil, Iman Radhi, Reem AlAmadi, Mahmood Farazi, Hussain Makki, Younis Hamza, Abeer Ahmed.

Other Activities:

The Committee have organized a Forum on “Work Market Reform Study” by Mackenzi on Thursday morning 12th May 2005. The Forum was organized to learn about and get BSE be acquainted on the “study” and its impact on engineering sector. Many papers have been presented by some of BSE members, representatives from Economic Development Bureau, Bahrain Chamber of Commerce and Industry, Association of Bahrain labour Unions, and Economists. The Forum have been attended by many BSE members and representatives from Civil Societies.

Special thanks and recognition goes to all Committees members for their outstanding contribution and efforts in planning and organizing the above activities which certainly helped the Society achieved some of its objectives.

Ninth: Membership and Profession Affairs

1- Applications to Join BSE:

BSE received a number of applications for membership, with a total of 100 applications during the year 2005. After vetting these applications by the Member Affairs Committee, they were submitted to the Board of Directors, which approved the membership of 95 new members of different categories. 58 have paid the membership fees as detailed below applications. A number of 5 applications which did not satisfy the requirements and criterion of BSE were declined. Also, 4 members were considered for category upgrade. Membership committee was already formed from the Director of Membership & Profession Affairs Dr Isa Salman Qamber, and the Engineers Mohammed Al-Khozae, Isa Janahi, and Jawad Al-Jabal.

The new accepted applications are as shown in the given table shown below:

Membership Type	No. of Members
Fellow	-
Member	23
Graduate	13
Affiliate	4
Student	18
Total	58

2- Specialized Conferences & Courses Organized by BSE:

a) Conferences and Courses Organized In Bahrain

In line with the BSE policy of allocating free seats in the organized Conferences and Short Courses by BSE or other establishments, a number of members were sponsored to attend as shown the given table:

Conference/Course, date of organization	No. of Participations
Workshop on Environment Management Organization, 18-20 April, 2005	1
Short Course on Writing Arabic & English Technical Reports, 22-25 May, 2005	1
The Rule of Professional Societies in the Economical Projects in Kingdom of Bahrain, 31 May, 2005	3
The Woman Involvement Encouragement in the Political Life, 20 August – 4 September, 2005	3
The Rule of the National Judge in the International Agreements on the Human Rights, 24-25 September, 2005	1
The Bahraini Women as a Decision Makers, 24 September, 2005	2
Workshop on Metrology, 27 September, 2005	2
The Ninth Gulf Engineering Gathering, 12-14 December 2005	10
The GCC Standard Investigation Project, 5 th February, 2006	2
Free Trade in the Middle East: US-Bahrain ..., 27 Feb, 06	1

The Bahrain Society of Engineers offered three free seats as part of community services for the students studying in College of Engineering (University of Bahrain) to attend the Eleventh Middle East Corrosion Conference and Exhibition during 26th February – 1st March, 2006.

b) Conferences and Courses Organized Outside Bahrain

The BSE sponsored Mr. Ahmed Al Jowder to present a paper at The public societies and its role in the development strategies (Sultanate of Oman), 5-6 December, 2005

3- Scholarships Programme:

BSE grants academic scholarships to members having student's membership who are studying in the University of Bahrain.

Following are statistical figures of the academic scholarships awarded at as at the end of the year 2005:

Details	No. of Students
Scholarships by the End of 2004	19
Withdrawn & Dismissed Due to Poor Performance	1
Graduates During the Programme	4
New Applications for the Year 2005	19
Remaining Scholarships after Withdrawn, Dismissed, & Graduation	8
Total No. by the End of December 2005	27

The BSE sponsored eleven Palestinians students from Berzait University for the Year 2005/2006. Scholarship Committee formed from the Director of Membership & Profession Affairs Dr Isa Salman Qamber, and the Engineers Masoud Al-Hermy, Jameel Khalaf, Seema Al-Langawi, Dr. A.Emam Al-Sammak, and A.Hameed Al-Belooshi.

4- Employment & Training of New Graduate Programme:

This type of programme, which has become an example of how the relation between the kingdom and community organizations should be particularly the body which responsible for solving unemployment problem, has registered success. The committee carried out several meetings, and the BSE in co-operation with the Ministry of Labor should endeavor to develop the programme and follow-up:

1. The finance of the program, it has been agreed to develop an effective mechanism to finance and follow-up the programme through the specific council for Vocational Training from which had a meeting with both the Industry and Construction Specific Council.
2. To develop an effective mechanism to ensure that the new engineers undergo adequate programs and receive enough training that suits their specialization and meets the market needs.

5- Association of Engineering Offices:

The association of engineering offices is headed by the engineer Mazin Alomran. The members of the association are Eng. Mohammed Salah Al-Dean, Eng. Feri Cazeroni, and Eng. Yahya Al-Shaikh. The association has carried out several major meetings with the ministries.

6- Women Engineers Committee:

The committee is headed by the Eng. Layla Janahi, and the members of the committee are: Eng. Huda Sultan, Eng. Esmat Zainal, Eng. Ahlam Mohammed, Eng. Aysha Awadh, and Eng. Manal Mirza. The committee organized a symposium about the Working Woman Rights on Tuesday 13th September, 2005.

7- Environment Committee:

The committee is headed by the Eng. Huda Sultan and the members of the committee are: Eng. Abdulla Matar, Eng. Yasser Ali, Eng. Layla Janahi, Eng. Ayman Nasser, Eng. Ahmed Salah Al-Deen, and Eng. Ahmed Omran. The committee organizes a gathering on 17th April, 2005.

8- First Engineering Career Day:

The BSE organized the first engineering career day on Wednesday 22nd February 2006 to highlight on different disciplines of the engineering fields for the students expected to graduate from the secondary school. The committee formed for that purpose are Dr. Isa Qamber (Supervisor of the activity), Engineer Shahraban Shareef (Chairman of the Committee), Engineer Layla Janahi (Member), and Engineer Elham Rajae (Member). This activity initiated by the Engineer Shahraban Shareef joined with the Women Engineers Committee.

MEMBERSHIP STATUS AS ON 31 DECEMBER 2005

TABLE NO. 1 : MEMBERSHIP BY CATEGORY

CATEGORY	Numbers
Fellow	18
Member	676
Graduate	95
Affiliate	70
Student	217
TOTAL	1076

TABLE NO. 2 : MEMBERSHIP BY DISCIPLINE

Category	Civil	Mech.	Elect.	Chem.	Arch.	Others	Total
Fellow	5	7	4	1	-	1	18
Member	248	107	131	31	74	85	676
Graduate	17	13	25	11	16	13	95
Affiliate	17	11	12	2	3	25	70
Student	32	28	39	40	53	25	217
TOTAL	319	166	211	85	146	149	1076
Percentage	30%	15%	20 %	8 %	13 %	14 %	100 %

TABLE NO. 3 : MEMBERSHIP BY NATIONALITY

Category	BAHRAINI		NON BAHRAINI		TOTAL
	Nos.	Percentage	Nos.	Percentage	
Fellow	15	80 %	3	20 %	18
Member	478	71%	198	29 %	676
Graduate	91	96 %	4	4%	95
Affiliate	35	50%	35	50%	70
Student	211	97 %	6	3 %	217
TOTAL	830	77 %	246	23 %	1076

TABLE NO. 4 : MEMBERSHIP BY SEX

Category	M A L E		F E M A L E		T O T A L
	Nos.	Percentage	Nos.	Percentage	
Fellow	18	100%	0		18
Member	610	90 %	66	10 %	676
Graduate	61	64%	34	36%	95
Affiliate	67	97 %	3	3 %	70
Student	140	65 %	77	35%	217
TOTAL	896	93%	180	7 %	1076

Tenth: Information Affairs

The information and Community Service Committee continues its activities as described below:

1. Al-Mohandis Magazine

The committee succeeded in getting BD5000 as a sponsorship from Bahrain Telecommunications Company to cover all the expenses of issuing 3 consecutive issues of Al-Mohandis magazine. So far, the forty-two and forty-three issues have been issued, while the forty fourth issue is still under reviewing and expected to be ready for printing by end of March, 2006.

2. Activities coverage

The information and Community Service Committee continued trying to provide adequate media coverage for all activities that took place under various work groups and committees, such as the conferences, lectures, social activities, professional gatherings, etc.

3. Press Conference

Press conferences were held to promote BSE activities including Conferences and Seminars.

Eleventh : Financial Affairs

1. Conferences and Training courses:

BSE conducted Conferences and Training courses during the year 2005. The income from the Conferences and Training courses during year 2005 were BD 321,508 and 145,432 respectively, while the expenditures were BD 252,813 and BD 81,580 respectively amounting to a total of BD 334,393 in year 2005 compared to BD 351,429 in year 2004. This represents a profit of BD 68,695 for Conferences and BD 63,852 for the Training courses which amounts to total profit of BD 132,547 in year 2005.

This represents a decrease in profit from Conferences and Training courses of BD 51,205 in year 2005 compared to what was achieved in year 2004. This was mainly due to organizing three major conferences where the income was below the expenditure, mainly the "9th Gulf Engineering Forum" , the " 23rd Arab Engineering conference" and the " Intelligent Building Conference".

2. Membership Fees:

The income from the membership fees received in year 2005 was BD 23,962 while the income received in year 2004 was BD 22,497.

The written-off membership fees in year 2005 were BD 4,075 while the written-off amount in year 2004 was BD 5,230.

3. Scholarship:

The scholarship expenses in year 2005 were BD 3,020 while the expenses in year 2004 were BD 3,498. This was due to decline in the number of students due to completion of their engineering courses, benefited from other scholarship programs and due to a decrease in college fees.

4. Donation:

The total donations for year 2005 were BD 3,262 which was paid as assistance to the eleven Palestinian students studying in Al-najah University in Palestine.

5. Rental of BSE Auditorium and Hall:

The rental income of BSE auditorium and hall is BD 9,239 in year 2005 while it was to BD 10,110 in year 2004 .

6. Assets:

The total assets in year 2005 was BD 1,579,493 while it was BD 1,412,921 in year 2004 . The fixed assets was BD 695,020 in year 2004 and was BD 679,610 in year 2005 which was due to the depreciation expenses of the building, furniture and the office equipment.

The total Current Assets, comprising of the Cash & Bank balances, Accounts Receivables and publications , increased from BD 717,901 in year 2004 to BD 899,883 in year 2005 which amounts mainly to a net increase of BD 181,982. This increase was due to the increase in profit due to holding the Conferences and the Training courses.

7. Fixed Deposits:

An amount of BD 97,855 additional deposit was made in the fixed deposits in year 2005 comparing it to year 2004 (BD 671,697 in year 2005 comparing to BD 573,842 in year 2004).

8. Interest on short-term bank deposits:

A net increase of BD 11,260 of income on interest rate on fixed deposits in year 2005 was gained comparing to year 2004 (BD 17855 in year 2005 comparing to BD 6,595 in year 2004).

9. H.Q. Building:

A net increase in expenses of BD 6,362 was incurred to H.Q. building maintenance in year 2005 comparing to year 2004 (BD 9,366 in year 2005 comparing to BD 3,004 in year 2004).

10. Almohandis Journal:

The income from the Almohandis journal was BD 5780 in year 2005 while the income was BD1650 in year 2004.

The journal expenses in year 2005 were BD 6,107 while the expenses in year 2004 was BD 4378.

11. WFEO (World Federation of Engineering Organizations):

A decrease in expenses of BD 900 in year 2005 comparing to year 2004. (BD 3981 in year 2005 comparing to BD 4,881 in year 2004).

12. FAE (Federation of Arab Engineers):

The expenses due to the participation in the FAE were BD 5,112 in year 2005 comparing to BD 5,698 in year 2004. This represents a decrease in expenses of BD 586 in year 2005 comparing to year 2004.

13. Accounts Receivable:

The accounts receivable for the year 2005 was BD 196,605 while it was BD 115,532 in year 2004 and this was due mainly to the increase in the Accounts Receivable from Conferences & Training courses.

14. Financial Summary:

The excess of the income over expenditure for year 2005 was BD 55,972/- while it was BD 115,730 in year 2004 which amounts to a net decrease of BD 59,758 in year 2005 comparing to year 2004.