



**Years of
Achievements**



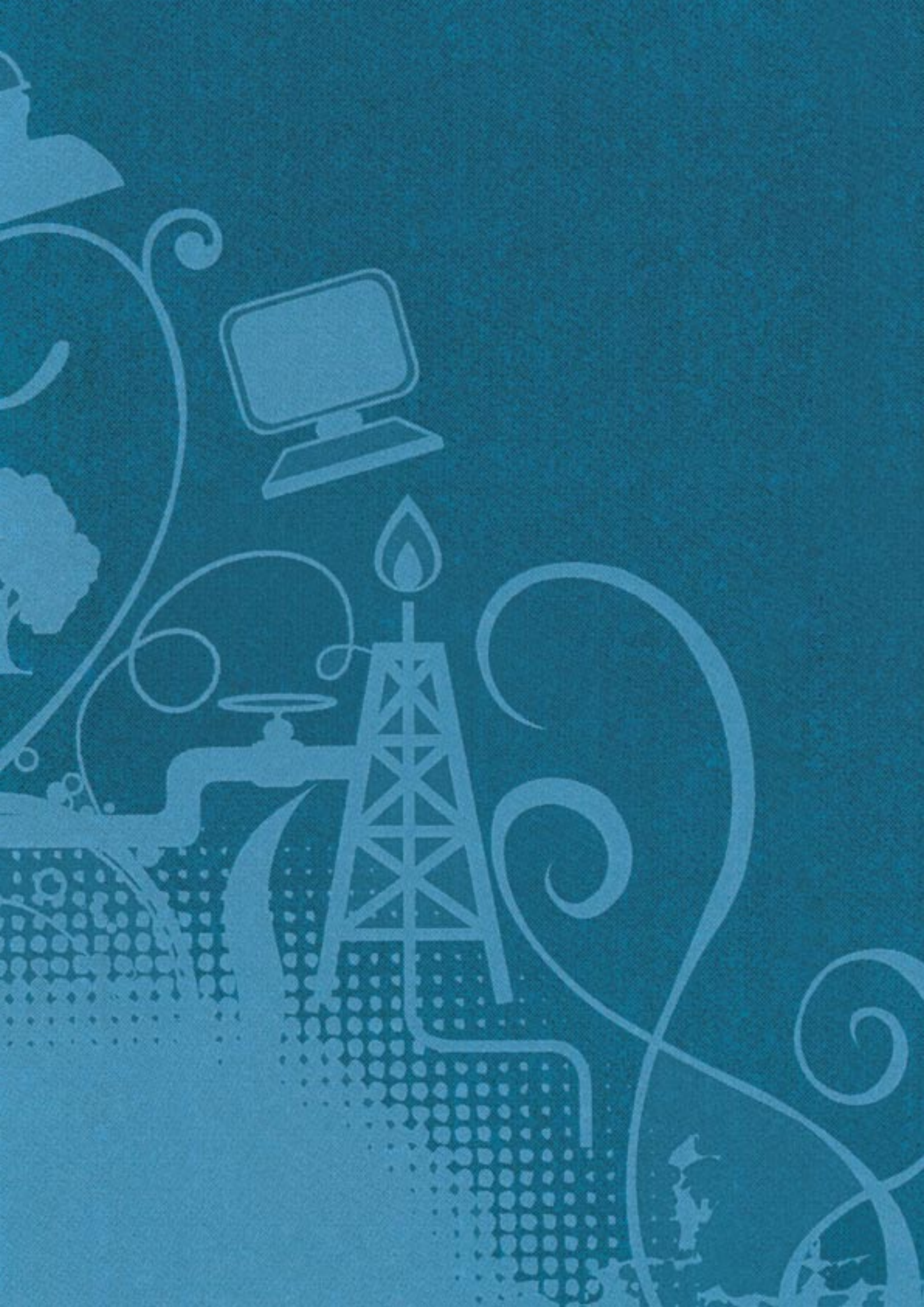
**His Royal Highness
Prince Khalifa bin Salman Al Khalifa
The Prime Minister**



**His Majesty
King Hamad bin Isa Al Khalifa
The King of The Kingdom of Bahrain**



**His Royal Highness
Prince Salman bin Hamad Al Khalifa
The Crown Prince and Deputy Supreme
Commander**





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A Quote From His Majesty The King

(December 14, 2010 at the Opening of the Third Legislative Session)

“We appreciate the positive developments in the energy sector over the last five years and reassert that the positive characteristics of these trends must be continuous and sustainable. This will serve as an overall framework for our endeavour in this field in a way conducive to optimal exploitation of the various energy sources, making the sector a propellant force for economic growth, enhanced productivity, as well as a tool for creation of new employment opportunities and consequently promotion of the standard of living”



Introduction

It gives me great pleasure to present this 14th Annual Report for the year 2010 on the activities, programmes and achievements of the oil and gas sector. The report coincides with the fifth anniversary of the promulgation of Royal Decree No. 63 for the year 2005, of His Majesty King Hamad bin Isa Al Khalifa, providing for the formation of the National Oil and Gas Authority (NOGA), which replaced the Ministry of Oil in all its jurisdictions and became the sole authority responsible for the Oil and Gas Sector in the Kingdom of Bahrain.

The year 2010 has seen many events and has been truly outstanding. The year was a witness of the election of the Representatives and Municipal Councils, appointment of the new members of the *Shura* Council, in addition to the formation of the new government, headed by His Royal Highness Prince Khalifa bin Salman Al Khalifa, the Prime Minister. We have been honoured by the valuable trust of the sagacious leadership by being reappointed as Minister of Oil and Gas Affairs in the new government.

The report records the achievements realised by NOGA in 2010. It addresses oil statistics, exploration programmes, strategic projects designed to maximize efficiency and productivity of oil and gas sector and venues of cooperation between NOGA and the international oil concerns. The report also addresses the oil conferences, exhibitions and functions organized by NOGA or in which NOGA participated in the Kingdom of Bahrain. Such functions serve to boost the Kingdom's status as an important regional centre of attraction for international oil events, coupled with external participation, legislations, and administrative orders, in addition to development and administrative modernization efforts and publications.

The most prominent event of 2010 in the sector was the gracious inauguration by His Royal Highness Prince Salman bin Hamad Al Khalifa, the Crown Prince and Deputy Supreme Commander and Chairman of the Economic Development Board, of the Petroleum Development Company (TATWEER), which is a joint investment venture between NOGA, the US based Occidental Company and the UAE-owned MUBADALA. In addition, the year witnessed the opening of the Bahrain Refinery Desulphurization Unit project, inking the agreement of the wastewater treatment project, as well as the signing of the capital increase agreement and inauguration of the partnership in Skaugen Gulf Petchem Carriers Company between the Oil and Gas Holding Company, E.M Skaugen and Capital Management House. Similarly, the deep-gas project framework agreement was inked by the end of 2010 between the NOGA and Occidental.

The political leadership achievements are a result of the blessings of the Almighty and the unwavering support of our wise leadership and their constant guidance in this vital sector. This sector assumes a leading role and has a great impact on the sustainable development programmes and the national economy, in tandem with the visible and tangible efforts of the Board of Directors of NOGA and all employees of NOGA and the Oil and Gas Sector.

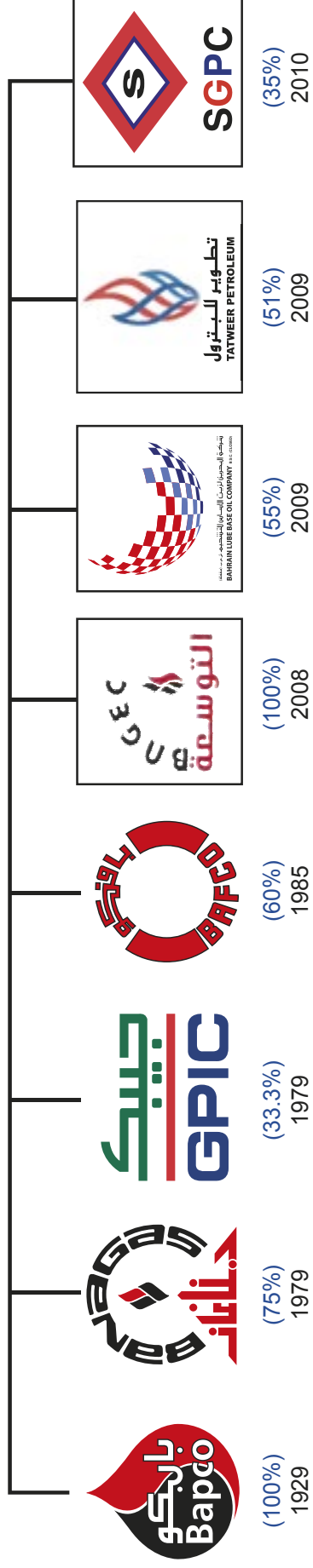
We pray for more success and further contribution in order to realise the ambitious aspirations of our beloved Kingdom under the auspices of our wise leadership.

Dr. Abdul Hussain bin Ali Mirza
Minister of Oil and Gas Affairs
Chairman of the National Oil and Gas Authority

Fuelling Economic Growth



الهيئة الوطنية للنفط والغاز
NATIONAL OIL & GAS AUTHORITY



NOGA Board of Directors



**H.E Dr. Abdul Hussain bin Ali Mirza
Chairman**



**Mr. Abdul Rahman Abdul
Hussain Jawaheri
Member**



**Dr. Mustafa Ali Mohammed
Al-Sayed
Member**



**H.E Mr. Rasheed
Mohammed Al-Me'araj
Member**



**Shaikh Mohammed bin Khalifa
bin Ahmed Al-Khalifa
Member**



**Major General Basim Yacob Al-Hamer
Member**



**Mr. Yousif Abdul
Hussain Khalaf
Member**



First: Oil and Gas Statistics



Table No. 1
Oil & Gas statistics for 2010 Against 2009

Description	2010 (000 barrels)	2009 (000 barrels)	Daily Average (BBL)	
			2010	2009
Bahrain Field	11,635	11,750	32,000	32,000
Abu Saafa Field	54,741	54,760	150,000	150,000
Total	66,376	66,510	182,000	182,000
Imported Saudi Crude oil	85,658	81,895	234,679	224,371
Crude run to Refinery	97,472	94,224	267,046	258,147
Refinery Production	99,362	95,598	272,226	261,912
Local sales – Refined products	9,486	9,065	25,989	24,837
Airport Sales	4,951	5,279	13,565	14,464
Petroleum Product Exports	85,603	81,344	234,529	222,861

I. OIL PRODUCTION

- * Bahrain Field: Total production during the year amounted to 11.635 million barrels, at a daily rate of 32,000 barrels, against a similar rate in 2009.
- * Abu Saafa Field: The daily rate in 2010 was 150,000 barrels against a similar rate in 2009. Abu Saafa production is exported as crude oil to international markets. The Bahrain Field production is run to the Refinery for manufacturing petroleum products. The daily production rate of Abu Saafa and Bahrain Field amounted to 182,000 barrels in 2010, which is similar to that of 2009. The total production of Bahrain Field and Abu Saafa in 2010 was 66 million barrels, against a similar quantity in 2009.
- * Imported Crude: The Arabian crude imports reached 85.658 million barrels, against 81.895 million barrels for the same period in 2009, an increase of 3.763 million barrels, or 4.6%. The

daily crude oil imports amounted to 234,000 barrels, against 224,000 barrels in 2009.

- * Crude Run to the Refinery: The crude run to the Refinery in 2010 was 97.472 million barrels, as against 94.224 million barrels in 2009, an increase of 3.5%.

The crude run to the Refinery represents the total of the crude oil imported from Saudi Arabia and the crude oil produced from the Bahrain oil fields.

The daily average of the crude run to the Refinery was 267,000 barrels, as against 258,000 barrels in 2009. The increase can be attributed to the rise in the Bahrain Refinery production to meet the rising demands for petroleum products and obligations of the Bahrain Petroleum Company (BAPCO) which is responsible for oil refining and marketing.

- * The Bahrain Refinery output: During 2010 was 99.362 million barrels, against 95.598 million barrels in 2009, an increase of 3.764 million barrels. The daily average was 272,000 barrels,



against 262,000 barrels in 2009, an increase of 3.8%. Interestingly, the daily average of the Refinery output was in excess of the Refinery capacity of 260,000 barrels per day. The Refinery made a record production output in 2010. This is one of the highest figures made by the Refinery throughout its history. Bapco seeks to carry out regular shutdowns to maintain the production of the Refinery, which is one of the oldest in the region.

- * Exported Petroleum Products: The daily average of exports amounted to 235,000 barrels, against 223,000 in 2009. The total petroleum product exports in 2010 were 85.603 million barrels, against 81.344 million barrels in 2009, an increase of 4.259 million barrels, or 5.2%. The increase is attributable to the international demand for Bahrain Refinery

products, which include several high quality naphtha, gasoline, kerosene, jet fuel, diesel, fuel oil, sulphur and asphalt.

- * Local Sales: The daily consumption of these products was nearly 26,000 barrels in 2010, against 25,000 barrels a day in 2009, an increase of 4%. The increase is attributable to the constructional boom, currently witnessed by the Kingdom of Bahrain, and the travel movement to and from Bahrain through King Fahd Causeway. The causeway has contributed to increasing GCC family tourism and, thus, the number of vehicles arriving into Bahrain through the causeway.
- * Bahrain International Airport Sales: The daily sales average during 2010 was around 14,000 barrels. The total sales throughout the year amounted to 4.951 million barrels.

Graphic No.1

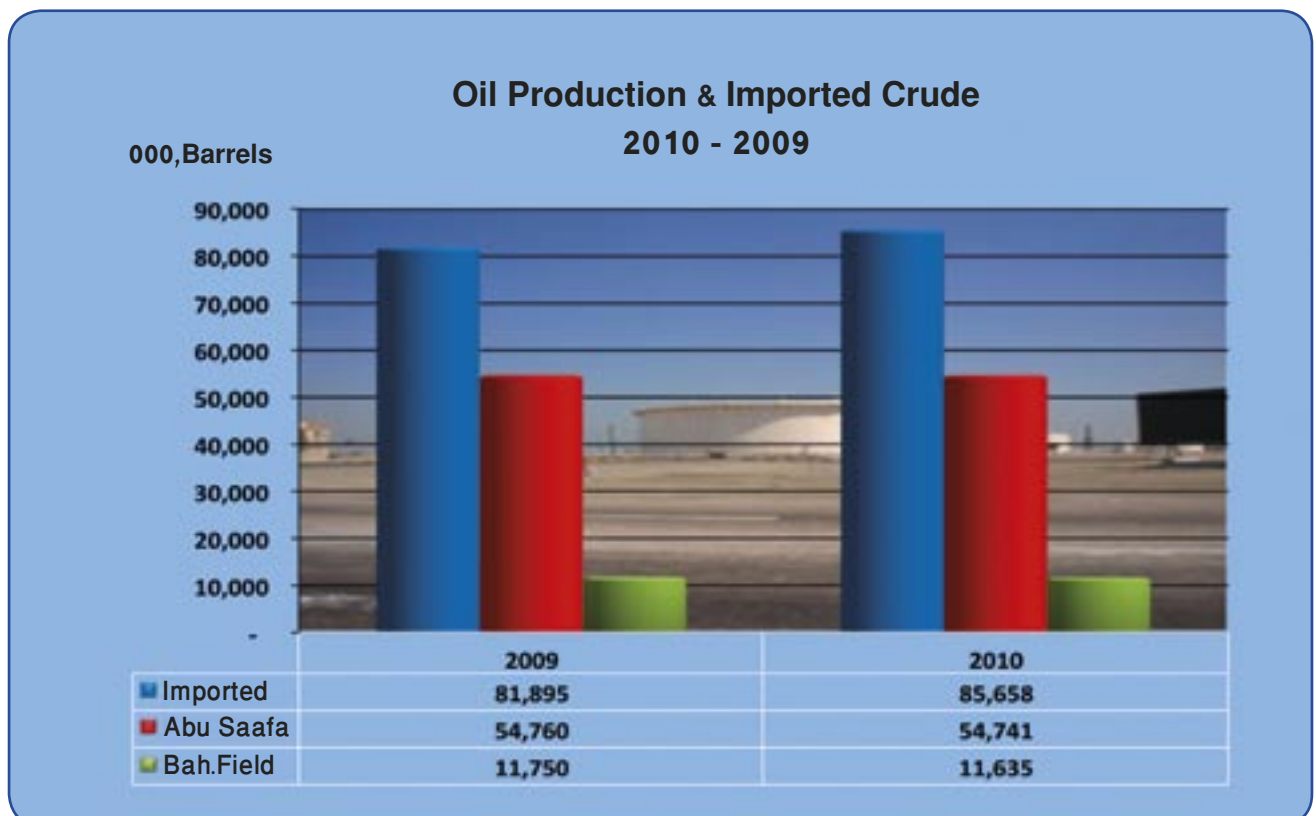


Table No. 2
Gas Production During 2010 Against 2009

Description	2010 (BCF)	2009 (BCF)	Variance (BCF)	%
Natural Gas Production	451.353	440.640	10.713	2.4%
Associated Gas Production	105.291	102.785	2.506	2.4%
Total	556.644	543.425	13.219	2.4%

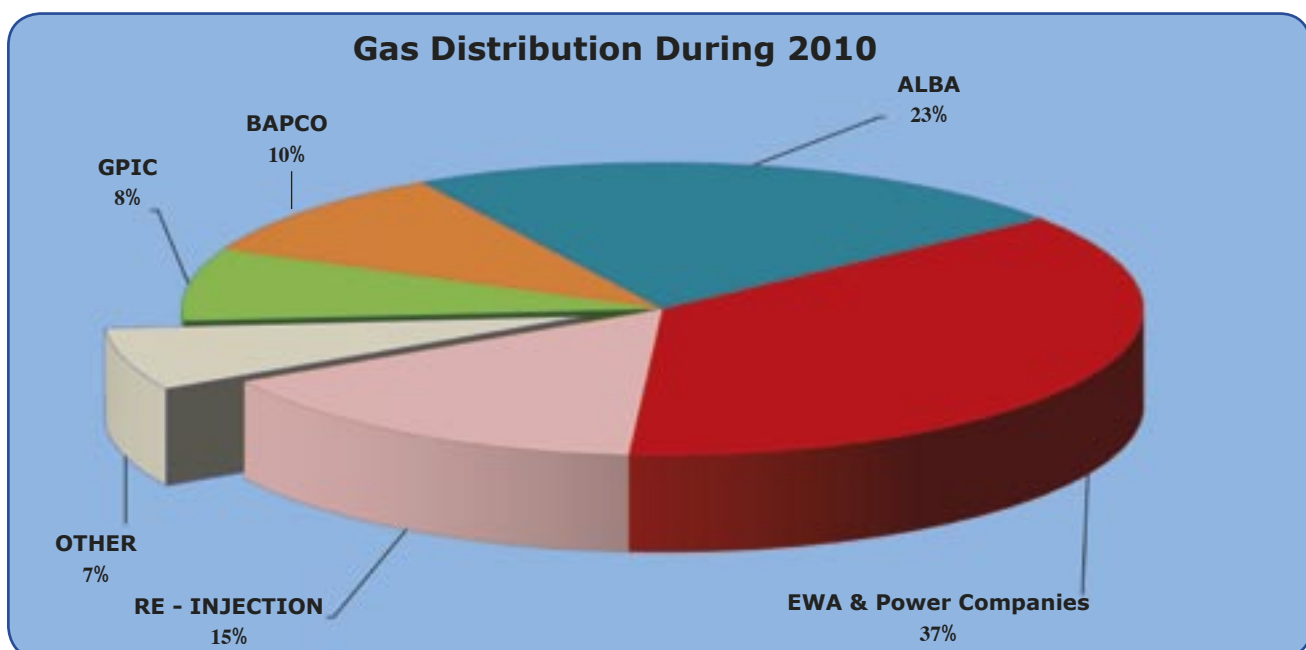
2. Production and Consumption of Gas

The daily production of gas in the Kingdom of Bahrain during the year was 1.525 billion cubic feet (BCF), against 1.489 BCF in 2009. The total production of the year was 556.644 BCF in 2010, against 543.425 BCF in 2009, an increase of 13.219 BCF, or 2.4%. The increase is attributable to the demand for gas by power stations of the Kingdom, which utilize gas for electricity generation and by major industries such as BAPCO, the Gulf

Petrochemical Industries Company (GPIC), Alba and other companies.

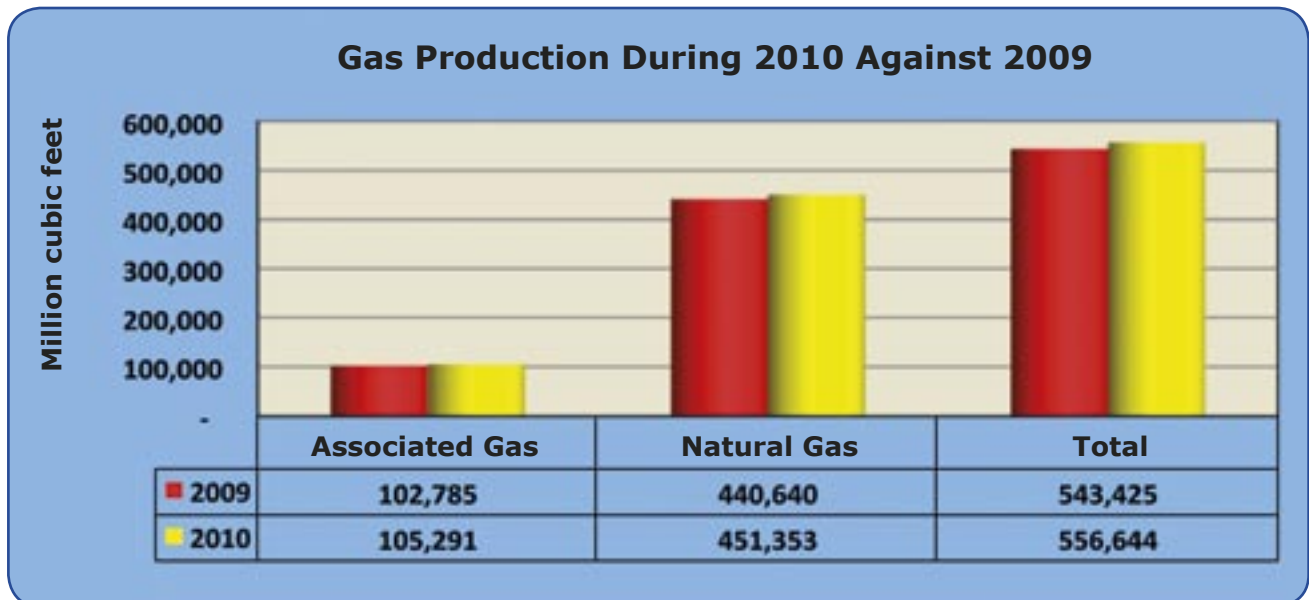
Consumption of gas by the Electricity & Water Authority (EWA) and other power companies is the highest, followed by Aluminium Bahrain (ALBA), BAPCO, GPIC, Bahrain National Gas Company (BANAGAS), Industrial Investment Company, Gulf Aluminium Rolling Mill Company (GARMCO) and Bahrain Aluminium Extrusion Company (BALEXCO) and others.

Graphic No.2





Graphic No.3



3. Production at Petroleum Companies

* Gulf Petrochemical Industries Company (GPIC)

The total production of GPIC in 2010 was nearly 1.476 million metric tonnes, against 1.534 million metric tonnes in 2009, a decrease of 3.8%. The daily production rate was 4,044 tonnes, against 4,204 in 2009. The decrease of 3.8% is attributable to world market supply and demand. The total exports were 1.125 million metric tonnes against 1.226 million metric tonnes in 2009, a decrease of 101 tonnes, or 8.2%.

GPIC manufactures three different types of products – ammonia, methanol and urea. The highest production of the total output was that of urea, 43%, while ammonia accounted for 29% and methanol 28%.

* Bahrain National Gas Company (BANAGAS)

BANAGAS's output of associated gas liquids (propane, butane and naphtha) during 2010 was nearly 3.771 million barrels, against 3.589 million in 2009, an increase of 5.1%. The highest

production is that of naphtha, 48.6%, followed by propane, 26.5%, and by butane, 24.9%.

* Bahrain Aviation Fuelling Company (BAFCO)

Bafco's jet fuel sales at Bahrain International Airport during 2010 reached 4.951 million barrels, a decrease of 328,000 barrels from that of 2009. The daily average was 13,565 barrels against 14,464 barrels in 2009, a decrease of 6.2%.

4. Inspection of Exported Petroleum Shipments

The total number of petroleum tankers inspected during the year was 327, against 332 in 2009. The average monthly tankers inspected in 2010 were nearly 27.

The Inspection & Oil Gauging Section at the NOGA oversees the inspection of the oil tankers at BAPCO's Wharf to ascertain loading capacity and ensure compliance with specifications. The section also prepares technical reports before petroleum product shipments are loaded and exported.



Second: Oil Projects & Strategic Investments





A.Oil Projects:

1.Lube Base Oil Production Project:

This is one of the more important projects with high profitability potential. It is a joint investment venture between the Oil and Gas Holding Company and BAPCO, with a total equity of 55% in the project and the second party, NESTE Oil Company of Finland, which owns the remaining 45% stake in the project. The total cost of the project is US\$430m (BD162 million). About 90% of the project is completed and it is set for production by April 2011. The purpose of the project is to produce high viscosity lube oils targeted for European and American markets in accordance with the international standard specifications.

2.Waste Water Treatment Project:

A ceremony marking the signing of the wastewater treatment project was organised on September 30, 2010 at BAPCO Club in Awali under the auspices of His Excellency Dr. Abdul Hussain bin Ali Mirza, Minister of Oil and Gas Affairs, Chairman of the National Oil and Gas Authority (NOGA) and Chairman of the Board of Directors of BAPCO. The agreement was executed between BAPCO and G.S Engineering and Construction Company of Korea. It was signed by the Minister of Oil and Gas Affairs, Chairman of NOGA for the Bahraini side and by the Company President for the Korean side. The execution of this environmental project coincides with the celebrations of the oil and gas



sector marking the promulgation of Royal Decree No. 63 for the year 2005 by His Majesty the King, providing for the formation of NOGA. The project is one of the environmental projects that BAPCO is eager to see through for the protection of the environment and compliance with the allowable limits of discharge in the marine environment.

The project with a capital of US\$120m (BD45m) is scheduled for completion in 2012 and will provide 650 employment opportunities during the implementation process.

3.Power Generators Project:

This project is set to replace the electrical generators in Bahrain Refinery and is considered as one of the important projects for the Refinery. The total cost of the project is US\$106m (BD40m) and is scheduled for completion in December 2011.

4.Saudi-Bahraini Crude Oil Pipeline Refurbishing Project (Under Study)

This project is currently under review and planning. The total cost of the project is estimated at US\$350m (BD132m). The project is intended to refurbish and reroute the 55-kilometre long crude oil pipeline from the Kingdom of Saudi Arabia to Bahrain Refinery. The pipeline will be rerouted to circumvent residential and populated areas to spaces outside the cities.

5.The Refinery Gas Desulphurization Project (Inaugurated):

H.E Dr. Abdul Hussain bin Ali Mirza formally inaugurated on May 27, 2010, the Refinery Gas Desulphurization unit project of BAPCO. The US\$151m project (BD57m) is one of the most important and the most complicated environmental projects in BAPCO's history.



The project comes as part of a comprehensive programme of 10 years from 2000 in cooperation with the Public Commission for the Protection of Marine Resources, Environment & Wildlife in the Kingdom of Bahrain.

The purpose of the project is the sustained enhancement of ambient air quality through state-of-the-art technologies for desulphurization of gas emissions resulting from the Refinery operations and removal of the pollutants in the water due to refining processes. The project will seek to reduce the hydrogen sulphide contents in fuel gas to less than 150 PPM or much less than the allowable limits as per government rules of the environmental system by 600 PPM.

B. Strategic Investments :

1. TATWEER PETROLEUM:

His Royal Highness Prince Salman bin Hamad Al Khalifa, the Crown Prince, Deputy Supreme Commander and Chairman of the Economic Development Board (EDB) inaugurated on January 20, 2010, TATWEER Petroleum Company by unveiling the commemorative plaque to mark this occasion in Jabal Dukhan area near Well No. 1.

HRH Prince Salman bin Hamad Al Khalifa pointed

out that commencement of the development of Bahrain Field initiated at the location of the first well in the Kingdom was one of the fruits of the efforts of His Majesty the King who sought to boost the springs of welfare and enhance the resources and opulence of the people of Bahrain.

TATWEER Petroleum is an investment project between NOGA, Occidental Company of the USA, Mubadalah Company of the United Arab Emirates & nogaholding.

Phases of the Development of TATWEER Petroleum:

NOGA initiated a process of massive and comprehensive enhancement to multiply the production of Bahrain Field, which started production in the year 1932 in the era of H.H. Shaikh Hamad bin Isa Al-Khalifa (Ruler of Bahrain 1932–1942).

Oil flowed in commercial quantities from the first well in Bahrain Field in 1932, which made Bahrain the 12th state to discover oil worldwide and the first state in the GCC to find oil.

More than 78 years have elapsed since the discovery of oil in the Kingdom. Hence, Bahrain launched this project to develop the field and improve production in the following stages:





- In 2008, the Bahrain Field was offered for development to increase and multiply its production. Eight international oil companies filed proposals for this purpose. The companies were evaluated and short listed to three international companies, namely Occidental , ExxonMobil and Maersk. After finalization of the evaluation, process and approval of the Tender Board, Occidental and its partner Mubadalah were selected.
- On 15 March 2009, a ceremony marked the signing of the incremental and framework agreements. The purpose of the joint agreement was to reach the final formula for the progress of the work in the development of Bahrain Field and increasing its production.
- H.M. King Hamad bin Isa Al Khalifa promulgated Law No. 24 for the year 2009 approving the development and production sharing agreement for the development of Bahrain Field.
- On October 8, 2009, the Articles of Association of the Joint Operations Company for development of Bahrain Field were signed at the NOGA premises.
- On November 9, 2009, the NOGA, Occidental and Mubadalah announced the formation of an entity under the name of TATWEER for the development and promotion of Bahrain Field to operate the field.
- On November 20, 2010, TATWEER Petroleum Company was inaugurated.

As part of the activity of TATWEER, 22 oil wells and three gas wells were completed, three new drilling platforms were operated to drill for oil and gas wells. The number of the company employees reached about 575 by the year-end.



2.The Deep Gas Project:

A ceremony was organized on November 30, to mark the signing of the framework agreement of the deep gas project between the Kingdom of Bahrain and Occidental International Company of the USA.

The agreement was signed by H.E. Dr. Abdul Hussain bin Ali Mirza Minister of Oil and Gas Affairs and chairman of the National Oil and Gas Authority for the Bahraini side and by Dr. Ray Irani, Chairman of the Board of Directors, for Occidental Company.

H.E. Dr. Abdul Hussain bin Ali Mirza inaugurated in October 2008 the natural gas exploration in the deep aquifers of Bahrain Field in line with the directions of the wise leadership to meet the domestic needs for gas and to explore for gas in deeper aquifers.

In July 2010, bids were received from international concerns interested in exploring for deep gas. After evaluation of the proposals, the project was awarded to Occidental Company with the approval of the Tender Board.



Company of the USA, another exploration and production-sharing agreement in Block 2 was signed with PTTEP of Thailand. The work programme in these agreements involving the seismic surveys and well completion in these sectors is progressing as planned.

The Shura Council and the House of Deputies have approved the oil exploration and

3.Partnership in Skaugen Gulf:

Under the auspices of H.E. Dr. Abdul Hussain bin Ali Mirza, a ceremony was organized on December 26, 2010 to mark the capital increase and inauguration of the partnership between Skaugen Gulf Petchem Carriers Company (a Bahraini closed joint stock company) between the Oil and Gas Holding Company, I.M. Skaugen Company and Capital Management House.

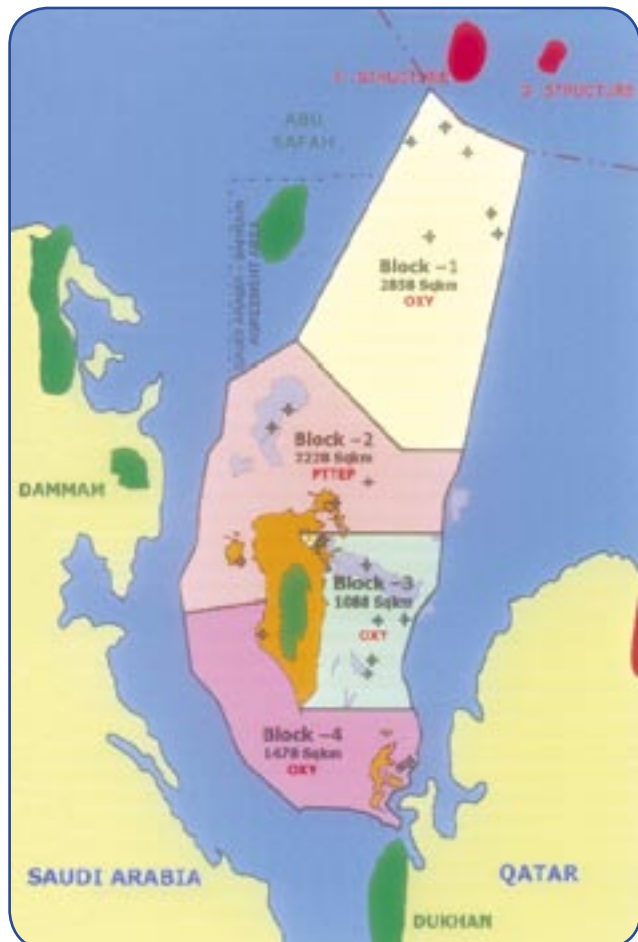
The purpose of the project was to establish a partnership for the purchase and charter of vessels for transportation of petrochemical gases and liquefied gases from the production regions in the Middle East to markets in Southeast Asia, mainly China.

Under this investment arrangement, nogaholding company became a stakeholder in Skaugen Gulf with a capital equity of 35% in the company capital of 43 million dollars. Skaugen has a stake of 35% and the remaining 30% is the equity share of Capital Management House. The new company was registered in the Kingdom of Bahrain.

4.Exploration and Production Sharing in the Offshore Blocks:

The National Oil and Gas Authority entered into oil agreements involving the four offshore blocks. The exploration and production sharing agreements in Blocks 1, 3 and 4 were signed with Occidental

production sharing agreements in the four offshore blocks. The purpose of these agreements is to maximize the petroleum resources of the Kingdom of Bahrain.



Exploration in the offshore blocks - Kingdom of Bahrain



Third: International Participation and Cooperation



A. International Participation:

1. Participation in the 9th Arab Energy Conference:



H.E. Dr. Abdul Hussain bin Ali Mirza headed the delegation of the Kingdom of Bahrain participating in the 9th Arab Energy Conference held under the auspices of His Highness Shaikh Hamad bin Khalifa Al-Thani, the Amir of the sisterly State of Qatar, during the period May 9-12, 2010 in the Qatari Capital of Doha.

The Bahraini delegation had a prominent presence in this function by virtue of the paper presented to the conference on the energy sector in the Kingdom. The presentation was regarded as part of the conference documents. The Qatari papers for the OAPEC members served as the cornerstone of the conference and the main source of information on the energy status in the Arab countries.

H.E. Dr. Abdul Hussain bin Ali Mirza delivered a speech in the opening session. He also chaired the first technical session on the energy sources in the Arab States.

The presentation comprised work papers under the titles: the Source of Energy in the Arab States: the Present and the Future, the Developments in the Refining and Petrochemical Industry in the Arab States, the Natural Gas Industry and its Markets, and the role of nuclear energy and renewable energy in electricity generation.

2. Participation in the meeting of the Oil Ministers in the GCC States:

H.E. Dr. Abdul Hussain bin Ali Mirza headed the delegation of the Kingdom of Bahrain to the 29th meeting of the GCC Petroleum Cooperation Committee, which was held in Kuwait on October 10, 2010.

A number of issues were discussed, including cooperation and coordination between the member states in the fields related to energy, oil, gas, the international status of oil, and the efforts of the region states to achieve stability in these markets.

The Unified Mining Law of the GCC states also received great attention. The law will serve as a qualitative addition to the operation of the Petroleum Cooperation Committee and will contribute to the diagnosis and identification of the legal and practical aspects related to the mining policy in the GCC member states.

Furthermore, the conference discussed petroleum products prices in the GCC member states, addressed several subjects and discussed many of the memoranda of the General Secretariat.

The conference underscored the importance of effective participation by the members of the team of the GCC Energy Affairs in the operations of the specialized committees in the negotiations of the free trade agreements conducted by the General





Secretariat and the competent negotiating team with a number of states and economic groups.

The 29th meeting of the Petroleum Cooperation Committee was preceded by the 10th preparatory meeting of the Deputy Ministers of Petroleum held on October 9, 2010. The meeting was attended by Dr. Ahmed Ali Al-Sharyan, Secretary General of NOGA and Mr. Fayhan Mohammed Nasser Al-Fayhani, Director of Petroleum Policies and Statistics at NOGA.

3.Participation in the OAPEC Ministerial Meeting:



H.E. Dr. Abdul Hussain bin Ali Mirza headed the delegation of the Kingdom of Bahrain to the 85th Ministerial Meeting of the Ministerial Council of the Organization of the Arab Petroleum Exporting Countries (OAPEC) held in Cairo on December 25, 2010. It was attended by the oil and energy ministers of the OAPEC member states.

The Minister was accompanied by Ali Abdul Jabbar Al Sawad, General Manager of Strategies and Planning and Mr. Fayhan Mohammed Nasser Al-Fayhani, Director of Petroleum Policies and Statistics at NOGA.

The Council addressed at the beginning of the meeting and in accordance with its standard practice the status quo in the international oil

market and the new roles of the organization in dealing with these conditions.

Most of the items on the agenda were agreed upon at the meeting, including approval of the Organization's budgetary estimates (of the Secretariat General and the judiciary commission) for 2011, in addition to the approval of the appointment of Al-Bassam and Associates firm as auditor of the Organization's final accounts as of January 1, 2011 up to December 31, 2011.

The meeting also discussed the results of the OAPEC Scientific Award for the year 2010, the activities of the General Secretariat related to the follow-up on environmental issues, climate change as well as the seminars, and meetings at the level of the Arab League. The meeting reviewed the studies made by the Organization in respect of petroleum. gas and environment.

Additionally, the meeting discussed the activities of OAPEC's companies such

as ASRY, Arab Petroleum Investment Corporation (APICORP), Arab affiliated companies and the Arab Petroleum Training Institute.

The ministers also granted the request of ASRY involving amendment of certain articles of its association agreement, the League organized by OAPEC or in which it participated, in addition to the studies developed by the Organization including those related to the economy and the technical studies on oil, gas and the environment.

The meeting also discussed the activities of the oil companies associated with the organization, such as the AMPTC, APICORP, Arab Petroleum Services Company, its affiliates and the Arab Petroleum Institute.

The Ministers approved the request of ASRY for the amendment of certain institutional terms, and extension of the service term of the Organization's Secretary General for three years.

The meeting also discussed the Chairmanship of the upcoming session of the Council, which will be for the Kingdom of Bahrain during the coming year of 2011. It also discussed the next ministerial meeting to be held on December 24, 2011 in the Egyptian Capital of Cairo.

H.E. Dr. Abdul Hussain bin Ali Mirza met H.E. Dr. Yousuf Al Yousufi, the new Minister of Energy and Mines in the Democratic Republic of Algeria, and the Minister of Oil in the Republic of Iraq, Abdul Karim Lu'aybi Bahidh. Mutual cooperation between the Kingdom of Bahrain and these two sisterly countries were discussed.

B. International Cooperation:

1. Cooperation with the UNDP:



Under the auspices of H.E. Dr. Abdul Hussain bin Ali Mirza, a ceremony on June 15, 2010, marked the execution of the cooperation document between NOGA and the United Nations Development Programme (UNDP).

This document is the first cooperation agreement between the UNDP and the Kingdom of Bahrain in the field of energy planning and conservation of sources.

H.E. Dr. Abdul Hussain bin Ali Mirza signed the

document on behalf of NOGA while the Resident Representative of the UNDP signed it for the organisation.

The purpose of the agreement is to study and finalise the viability of establishing a centre for planning and conservation of all energy sources beginning with production sources and covering all areas until the final user.

This will be the first centre for energy planning and conservation in the Gulf region.

The UNDP experts have already initiated the task involving preparation of a feasibility study involving competent officials from the concerned ministries and organizations in Bahrain.

The group is expected to wind up its task in March, 2011.

2. Bahrain-Russia Gas Negotiations:

H.E. Dr. Abdul Hussain bin Ali Mirza paid an official visit to the Federal Republic of Russia during the period October 25–28, 2010 during which he held several meetings with senior Russian officials.

The visit comes within the framework of the efforts of His Majesty King Hamad bin Isa Al Khalifa, which focus on the consolidation and strengthening of the Bahraini-Russian relations. His Majesty's visit to Russia in December, 2008 produced several positive results, including the signing of the letter of intention with and Gazprom Company of Russia, regarded as one of the largest oil exporters worldwide.

The visit started with meeting Mr. Victor Zebkov, First Deputy Prime Minister of the Russian Federation and Chairman of the Gazprom Board of Directors at his office.

They discussed the venues of cooperation in the field of energy, especially in the light of the desire of the Russian Government to gain from the investment opportunity in the oil and gas sector in the Kingdom of Bahrain.



participation of a large number of specialists from the Kingdom of Bahrain and other GCC states, besides professionals from several other countries.

H.E. Dr. Abdul Hussain bin Ali Mirza applauded Nextant's selection of Bahrain as a regional centre for its operations and wished it every success.

The discussions also covered the prospects of launching Russian investments in the Gulf and the Middle East via the Kingdom of Bahrain gateway.

H.E. Dr. Abdul Hussain bin Ali Mirza held negotiations with Alexei Mille, Chairman of Gazprom. The negotiations addressed future projects of and the Russian company as well as the venues of joint cooperation between the two sides. They agreed to set up a Bahraini-Russian taskforce to develop a road map for boosting cooperation in gas and investments.

H.E. Dr. Abdul Hussain bin Ali Mirza concluded his trip to Moscow by meeting senior officials of the Russian Centre for Science and Technology, those related to the field of energy.

He pointed out that the wise government of the Kingdom was actively seeking to attract international companies, offer facilities and services and work on simplifying of formalities in order to make Bahrain a commercially suitable location for launching operations, services and investments of international companies.

Nexant Energy and Chemicals Company is a leading international company, which offers consultation and services related to gas, oil and downstream industries for energy, fertilizers.

It also offers software services and conducts feasibility studies related to corporate mergers.

3. Opening of the New Regional Office of Nexant:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on November 24, 2010, the new regional office of International Consulting-Nexant Company. The occasion was celebrated in the Capital Club at the Bahrain Financial Harbour. The ceremony was followed by a specialized technical seminar with the





Fourth: Programs and Activities of Local Oil Companies and Field Visits





A. Programs and Activities of Local Oil Companies:

1. First Meeting of the Bahrain Field Development Management Committee:

H.E. Dr. Abdul Hussain bin Ali Mirza Minister of Oil and Gas Affairs and chairman of the National Oil and Gas Authority presided over the first meeting of the Management Committee of Bahrain Field Development held at NOGA office on February 11, 2010, with the attendance of the National Holding Company, Occidental and Mubadalah.

This is the primary committee supervising the development of Bahrain Field.

The meeting discussed the operating programme of TATWEER and the Company's operating budget for the year 2010, including completion of 17 new oil wells and four new Khuff gas wells.

The meeting also endorsed the strategic business plan for the next five years, comprising the completion of 600 developmental oil wells, the construction projects for expansion of the oil and gas production capacity, in addition to modernization and upgrading of the facilities to accommodate increased oil production to meet demands.

The committee held several regular meetings during the year at which members reviewed the company's plans designed to increase the field's crude oil and gas production.

2. Quadilateral Cooperation with the Crown Prince Programme by NOGA, BAPCO and GPIC:

Following the directives of H.R.H. Prince Salman bin Hamad Al Khalifa, the Crown Prince, Deputy Supreme Commander and Chairman of the Board of Directors of H.R.H.'s international scholarship programme, H.E. Dr. Abdul Hussain bin Ali Mirza chaired the joint coordination meeting of NOGA, its subsidiaries (BAPCO and GPIC) and H.R.H.'s international scholarship programme, which was held at NOGA on April 6, 2010.

The meeting comes as a rendition of the directives of the Crown Prince regarding offering practical training for qualified young cadres required by the Bahrain labour market for the success of the Economic Vision 2030 of the Kingdom of Bahrain launched by the EDB, headed by H.R.H. Prince Salman.

3. Signing of Training Agreement with the French Petroleum Institute:

H.E. Dr. Abdul Hussain bin Ali Mirza signed on April 26 2010, at AL Dar, Awali, an agreement with the French Institute of Petroleum, signed on



behalf of the French side by Dominique Paff, the Chief Executive Officer of the institute.

The purpose of the agreement is to develop the skills of national workforce in the various fields related to oil and gas and meet the training demands to enhance their performance and qualifications.

The agreement signed between BAPCO and the French Institute of Petroleum, regarded as a leader in training and development service providers, will enable BAPCO employees to meet international standard demands.

4. BAPCO Exports the First Shipment Of Super Quality Diesel:

BAPCO celebrated the export of the first shipment of super diesel under the auspices and the presence of H.E. Dr. Abdul Hussain bin Ali Mirza, BAPCO' Chairman of the Board of Directors, a number of the Company's executives and Dr. Abdul Latif Ibada, representative of Morgan Stanley.

The ceremony marked Bapco's loading of the first shipment of diesel with a lower content of sulphur than 10 PPM aboard vessel 'Fortune Victoria' on May 15, 2010.

This significant and historical event comes as part of the implementation of the agreement concluded in 2009 with Morgan Stanley involving the sale of 65,000 tonnes of super quality diesel with lower sulphur content during the months of May, June and July of 2010, with the first shipment destined to Singapore.

5. Inauguration of a New Workover Rig and a Drilling Platform of TATWEER:

His Excellency Dr. Abdul Hussain bin Ali Mirza visited on May 26, 2010 the drilling sites of the TATWEER Petroleum in Jabal Dukhan to celebrate the delivery of the first workover rig.

Delivery of the first workover rig to TATWEER comes as part of an arrangement involving two

rigs contracted by MP Petroleum Company.

This will enable the company to work over about 150 wells in Bahrain Field. This rig is characterized by modern technology that allows for automated operations in lifting and lowering of pipes inside the wells.

H.E. Dr. Abdul Hussain bin Ali Mirza also inaugurated on August 23, 2010 the first new drilling rig in Bahrain Field at the drilling site of well 903, contracted by TATWEER to initiate the intensive drilling programme for redevelopment of production in Bahrain Field.

The third rig is scheduled for delivery in 2011. The company expects to complete more than 100 new wells.





6. Inauguration of Sanabis Service Station:



Under the auspices of His Excellency Dr. Abdul Hussain bin Ali Mirza, an official ceremony was held to mark the inauguration of Sanabis Service Station after development and refurbishment.

It underwent a comprehensive upgrade process in accordance with an expanded programme in BAPCO, which involved upgrading of service stations for development of the services extended to the various customers and keeping pace with the most recent international trends and developments.

Sanabis service station was established in November 1990 and its development work started on May 1, 2007. The total cost of the station development amounted to more than BD189,000.

The modernization process included several essential issues, especially removal of the existing sales building, construction of new structure and the foundation of new supplementary services through the new store at the new station.

7. Laying Rawdah Service Station Foundation Stone:

H.E. Dr. Abdul Hussain bin Ali Mirza laid on June 10, 2010 the foundation stone of Rawdah service station in Hamad Town.

The construction cost of Rawdah service station amounted to BD850,000, while the cost of the project's supervision consultant was BD36,000 and

design cost BD33,000. Other project related costs added up to BD10,000, which brings the total cost of the project close to one million Bahraini Dinars.

The storage capacity of each tank in the station is about 57,000 litres of fuel. The station also comprises two tanks for Mumtaz fuel, two tanks for Jayyid and one tank for diesel supply.

8. Signing of MoU Between BAPCO and Bahrain Polytechnic:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, and in the presence of H.E. Shaikh Mohammed bin Isa Al Khalifa, the Chief Executive Officer of the EDB and Chairman of the Board of Trustees of Bahrain Polytechnic, a ceremony was held on August 25, 2010 at Al Dar, Awali, to mark the signing of a memorandum of understanding (MoU) on training cooperation between BAPCO and Bahrain Polytechnic.

The memorandum was signed on behalf of BAPCO by Engineer Faisal Mohammed Al Mahroos, the Company's Chief Executive Officer, and by John Scott, the Chief Executive Officer of Bahrain Polytechnic.

The purpose of the memorandum is to boost and consolidate the cooperation between the oil and gas sector and the education and training sector in the Kingdom of Bahrain. It comprises several articles, including, development of a programme whereby BAPCO would sponsor the student for education in Bahrain Polytechnic, exploration of investment projects, whereby Bahrain Polytechnic would render its services to the oil industry sector.

The memorandum also seeks to explore short-term training programmes required by the oil and gas industry and which the sector would need the Bahrain Polytechnic to make available at administrative and technical levels.

9. Inauguration of BAPCO Safety Campaign:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, BAPCO celebrated on October 13, 2010 the launch of a new safety campaign under the title 12 x 12.

The purpose of the campaign is to boost the corporate occupational safety before the end of 2012 and achieve 12 million man-hours without any lost time accidents.



The new campaign is a massive challenge for BAPCO to attain this great feat, which the company had previously achieved in 2004 when it completed 12 million man-hours without any lost time accidents.

This marked the best safety achievement in the history of BAPCO over eight decades.

The campaign comes as a reconfirmation of BAPCO's vision to 'Strive' for Excellence, meets the corporate safety demands, and attains goals.

The campaign will also contribute to inculcating occupational safety culture in BAPCO in order to repeat this great achievement one more time in the history of the Company.

10. BAPCO's EHS Week:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on November 27, 2010 the events of Family Day organized by BAPCO at the Bahrain International Circuit.

It included several activities and functions sought to consolidate the values and fundamentals of environment, health and safety with the objective of boosting the safety culture in all sectors of the community.

More than 25,000 visitors representing BAPCO employees, contractors and family members participated in the events.

The celebration comprised of several recreational and educational activities on environment, health and safety issues.

The function also included various events, programmes and competitions throughout the day. A number of pavilions were set up to provide useful information on environment, health and safety.

Each pavilion offered numerous competitions to allow visitors win prizes. A corner was dedicated for children, where games and refreshments were offered.

11. 'Najmat Al-Jabal' Operetta:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, a rerun for the show of 'Najmat Al-Jabal' operetta was organized on November 29, 2010 at the cultural auditorium in the vicinity of Bahrain National Museum.

The rerun of the operetta came in response to the directives of H.E. Dr. Abdul Hussain bin Ali Mirza to enable the citizens and residents to enjoy this operetta. The show demonstrates the role of BAPCO in Bahrain society and the developments, which accompanied the discovery of oil in the Kingdom of Bahrain in the year 1932. Bahrain is the first country in the Gulf to discover oil.

Oil has assumed a prominent position in the economy of the Kingdom of Bahrain where the industrial development has been closely associated with the discovery of oil. Oil has played a key role in the formulation of the strategic and economic plans and the sustainable development programmes.



B.Field Visits :

1.Visit to BANAGAS:

H.E. Dr. Abdul Hussain bin Ali Mirza, accompanied by senior NOGA officials paid a visit to BANAGAS on September 20, 2010. He was received by Dr. Shaikh Mohammed bin Khalifa Al Khalifa, the General Manager, H.E. Engineer Ali bin Mohammed Al Jalahma, the Chairman of the Board of Directors, the members of the board of directors and members of the executive management.



H.E. Dr. Abdul Hussain bin Ali Mirza was acquainted with the most important achievements made by the Company and the year's operating and financial results. He was also briefed on the most significant activities of the company and the training and development programmes which underscore Bahrainization of the supervisory and management positions.

The Minister congratulated all BANAGAS employees on having completed six million hours without any industrial injury since May 2002. The record boosts the company's attention to occupational safety, which has enabled it to earn safety awards from major international organizations, such as the Royal Society for the Prevention of Accidents (ROSPA) in the United Kingdom and the Society of Industrial Gas Processors Association and the National Safety Council of the US.

H.E. Dr. Abdul Hussain bin Ali Mirza paid an inspection visit to Gas Compression Plant No. 7, which is the most recent project to be implemented at a cost of 32 million US dollars to process 66 million cubic feet of associated gas from Bapco's Refinery off gas.

2.Visit to TATWEER:

H.E. Dr. Abdul Hussain bin Ali Mirza, Chairman of the Board of Directors of TATWEER Petroleum, paid a visit on October 18, 2010, to the new offices of TATWEER located at the Royal University for Women in Riffa.

The purpose of this visit was to acquaint himself with the progress of work in the Company and the achievements made since the work commencement in TATWEER Petroleum, which initiated its operations in January of the year. It was part of the Minister's inspection-visits to work-sites of oil companies affiliated to the Oil and Gas Holding Company.

His Excellency had a meeting with the Company's Executive President and the corporate senior officials.



He also toured all divisions and the office of the company where he received detailed explanation on the work progress in these divisions.

He congratulated all staff members on the new offices and the launch of the initiative intended to increase production and boost productivity by the end of 2011.

This initiative comprises plans to increase oil productivity of Bahrain Field and primarily provides for installation of pumping equipment on 96 wells, in addition to completion of 25 wells.

3. Visit to Bahrain Aviation Fuelling Company (BAFCO):

H.E. Dr. Abdul Hussain bin Ali Mirza paid a visit to BAFCO on October 19, 2010.

The purpose of the visit was to acquaint himself with and follow up on the activities and phases of completion of the strategic, vital and developmental projects of the company, particularly the relocation of the company's aviation fuel tanks inside Bahrain International Airport.

The visit started with a presentation of the company's strategic projects and plans, which are congruent with the comprehensive Economic Vision 2030 of the Kingdom of Bahrain.

The Minister and the accompanying delegation visited various sites of the company's operations in addition to the site of the new corporate building complex near the Bahrain International Airport.

He had a meeting with the company employees and discussed with them several issues regarding the company's progress.



4. Visit to Gulf Petrochemical Industries Company (GPIC)

H.E. Dr. Abdul Hussain bin Ali Mirza, accompanied by some of the members of the Board of Directors of NOGA, paid an inspection visit to GPIC on November 8, 2010. The Minister also inaugurated the company's Leadership and Education Academy, which offers advanced programmes for training the employees and grooming them to assume leading positions in the Company.

H.E. Dr. Abdul Hussain bin Ali Mirza then laid the foundation stone of 'Wahat Al-Zaytoon' or the Olive Oasis which is one of the most recent projects of the company that is planned to include about 500 trees. H.E. the Minister and the accompanying delegation toured the site of Princess Sabika Park for Aromatic Plants, the fish aquarium, the zoological and medicinal herbs garden.





Fifth: Local Conferences, Exhibitions and Events





1. Deep Gas Conference and Exhibition:

His Excellency Dr. Abdul Hussain bin Ali Mirza opened on January 24, 2010 the 'Deep Gas Conference and Exhibition' which was organized at the Gulf International Convention Centre, Gulf Hotel, by the International Petroleum Engineers

Society in collaboration with the National Oil and Gas Authority, coupled with the support provided by Saudi Aramco and Occidental Company. The event lasted until Tuesday 26 January 2010.

With a number of participants in excess of 280, the conference attracted a large number of senior researchers, experts, officials and stakeholders of the gas industry in the world.

The conference was an opportunity for discussions and presentations to unveil the most recent technologies used in the field of deep gas exploration and extraction and provide creative solutions for the challenges faced by this industry.

The conference included 16 technical sessions, which covered issues such as prospection, exploration, drilling, stimulation as well as production, development, geological characterization of the reservoir, health and safety.

2. Inauguration of Princess Sabika Park in Awali:

Her Royal Highness Princess Sabika bint Ibrahim Al Khalifa, President of the Supreme Council for Woman, opened the 'Princess Sabika Park' in Awali on February 22, 2010. The Princess toured



the facilities of the park and was accompanied by His Excellency Dr. Abdul Hussain bin Ali Mirza.

H.R.H. described the project as a great achievement to the credit of BAPCO as well as an outstanding addition in favour of the agricultural development and its progress in the Kingdom of Bahrain.

She also stated that the project was an expression of the true efforts of the company for the implementation of a calculated and responsible policy to boost social responsibility.

3. International Nitrogen and Syngas Conference:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on March 1, 2010 the Nitrogen and Syngas Conference held in the Gulf International Convention Centre, Gulf Hotel. The programmes of the conference started on February 28 and lasted until March 3.

The conference was organized by the British Silver Company and the GPIC. The proper and seamless organization of the conference resulted in an impressive 350 participants from various international, regional and Gulf countries. It was a good opportunity to discuss and deliberate the most recent discoveries and technologies and exchange opinions and experiences.



The GPIC presented its experiment which reconfirms its efficiency as a producer of world-class petrochemicals and chemical fertilizers in compliance with the highest environmental and health standards, besides its social responsibility which further boost its international status.

4.GEO 2010 – Conference and Exhibition:

Under his patronage, His Royal Highness Prince Khalifa bin Salman Al Khalifa, the Prime Minister of the Kingdom of Bahrain hosted the events and functions of the Middle East Geological Sciences Conference and Exhibition (GEO 2010).

His Excellency Dr. Abdul Hussain bin Ali Mirza, opened the GEO 2010. The event was organized by the American Society of Geological Engineers, the European Geological Society (EurGeol), the Arabian Exhibition Management and other societies in collaboration with NOGA, at the Bahrain International Exhibition Centre from March 7 to 10, 2010.

The conference attracted nearly 950 participants from several international, regional and Arab countries. It was held under the slogan 'Innovative Geological Solutions - to Meet Demands for Hydrocarbon Products in Changing Times', which is an expression of the recent prophecies that demand for energy will grow worldwide.

The exhibition was opened by H.E. Shaikh Isa bin Ali Al Khalifa, Advisor to the Prime Minister

for Industrial and Oil Affairs and H.E. Dr. Abdul Hussain bin Ali Mirza on March 8, 2010. Several pioneering international oil companies participated in the exhibition in addition to the national oil companies in the Gulf Cooperation Council, a total of 160 companies representing 25 countries from around the world.

5.First Middle East Exhibition on Investment Opportunities in Oil and Gas Exploration and Production:

H.E. Dr. Abdul Hussain bin Ali Mirza opened the First Middle East Exhibition on Investment Opportunity in Oil and Gas Exploration and Production on March 8, 2010, organized at the Bahrain International Exhibition Centre in tandem with the GEO 2010. The exhibition contributed to the creation of a market for strategic alliances to engage in business and explore opportunities of investment ventures.

This gathering is regarded as a fresh initiative by and the steering committee within the framework of boosting the role and status of the Kingdom of Bahrain as an international venue for engaging in business in the field of oil, gas and oil industry fields and attraction of investments and transactions related to energy sectors from all over the world.

This is the first exhibition of its kind to be organized in the Middle East region and the third worldwide following NAPE in the United States and APEX in London, UK. The steering committee is

planning to organize the exhibition on an annual basis with the objective of acquainting investors with the opportunities available regionally and globally in this sector. It also aims to offer new alternatives, especially in the light of the global economic crisis that impacted investment opportunities in conventional economic sectors.



6. Arab Environment Conference and Exhibition (ENVIRO Arabia 2010):

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the Kingdom of Bahrain hosted during April 18-21, 2010 the sixth specialized conference on the environmental development in petroleum and petrochemical industries (Enviro Arabia 2010).

It was organized at the Gulf International Conferences Centre, Gulf Hotel, by the Bahrain Society of Engineers, in collaboration with the Environment Management and Technology Society in the Kingdom of Saudi Arabia and the Saudi Chapter of the US Air and Waste Management Association.

H.E. Dr. Abdul Hussain bin Ali Mirza addressed in his opening speech the attention paid by the subsidiaries to environment and its impact on work and the neighbourhood environment. BAPCO executed some high tech projects for conservation of the environment, such as the Low Sulphur Diesel Project, the Refinery Gas Desulphurization, besides treatment of the Refinery wastewater. BAPCO also inaugurated Princess Sabikah Park in Awali, a major environmental and aesthetic project for Bahrain.

GPIC implemented several environment projects, including the Princess Sabika Park, and has bagged excellence awards in the field of environment, health and safety.

BANAGAS is in charge of processing gas using technical and safe methods with minimum damage to environment. More than 600 participants including engineers, specialists and stakeholders of environment from the GCC, the Middle East, Europe, Asia, the United States and the Far East participated in this conference.

Speakers presented more than 100 technical papers from 15 countries. Workshops dealt with the various aspects of the environment such as wastewater treatment technology, evaluation of environmental impact, air pollution management and the role of environmental impact evaluation at decision-making. A specialized exhibition was

organized with display of the most recent industrial technological products on the environment.

7. Corporate Social Responsibility Forum on Health, Safety and Environment:



Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, Bahrain hosted the 'Corporate Social Responsibility Forum on Health, Safety and Environment' organized by Bahrain Social and Cultural Society and the Bahrain Health and Safety Society during April 26-27, 2010 at the Crown Plaza Hotel in Bahrain.

Discussion papers were presented by experts with outstanding academic credentials and experience from international, Arab, regional and local organizations and corporations.

The conference addressed several issues, the most important being: contemporary environmental problems, international, Arab and national environmental standards, the international efforts to confront environmental hazards, environmental management in establishments and organizations



related to minimization of pollution, the role of civil societies and organizations in the protection of the environment, economic consequences and impacts from environment pollution, besides issues related to occupational safety and health.

8. International Forum on Energy Security and Green Investments:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on April 27, 2010 the International Forum on Energy Security and Green Investments, held in the Awali Hall, Sheraton Hotel, and organized by Bahrain University in collaboration with NOGA.

The conference's purpose is to achieve constructive utilization of energy, promotion of sustainable development, and optimization of power consumption and upgrade efficient utilization.

All countries seek to guarantee and ensure sustainability of secure energy sources on the assumption that energy has become the key component of society's quality of life, growth and progress, and any shortfall or defect in the delivery of the energy supplies to any country will have devastating and serious consequences.

Hence, is the importance of diversification of the energy sources in conjunction with the importance of conservation of energy through efficient use and minimization of unnecessary wastage.

9. Second Annual Conference on HR Management:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the second annual conference on Human Resources Management was held in the Diplomat Radisson Blu Hotel during May 4-5, 2010.

The purpose of the conference, which was organized by "Rochcom" in collaboration with NOGA, was to handle the growing need for professional training and management of human resources in a way conducive to enhancement of production efficiency. Several work papers were presented by highly qualified and efficient experts.

The conference addressed fresh and innovative methods for effective construction and competition in the future,

attraction and retention of high calibre talents within any producing organization as the key objective. Several methods of investment in human capital were discussed in addition to the workforce employment and selection processes, the challenges which face the workforce and the market requirements and other topics related to human resources and training.

10. The 2010 International Leadership Conference:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the Kingdom of Bahrain hosted the 2010 First International Leadership Conference 'Excellence in Leadership', which was organized by Bahrain Management Society on May 18, 2010 at the Crown Plaza Hotel, Bahrain.

The conference focused on a number of topics, including the strategies, success, challenges, leadership, organizational development, governance structures and ways to eliminate communication handicaps between individuals of organizations.

It also discussed the changes in the demographic composition, and the various methodologies necessary to enable them to pay due regard to leasing roles in several fields. More than 150 participants participated in the conference, which closed on May 20.

11. International Conference on Middle East Energy Evolution:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the International Conference on Middle East Energy Evolution was held on May 18, 2010 at the Bahrain Ritz Carlton Hotel and was organized by the British CMC in collaboration with NOGA.



The purpose of this conference was to treat the most important issues faced by international energy sources, coupled with optimal utilization of all energy sources and minimization of their impact on the atmosphere and the environment.

The conference addressed a number of topics of paramount interest to the energy sector in general and the international oil sector in particular, such as efficient utilization of both conventional energy and clean energy.

It also discussed new technologies in the conventional and renewable energy sources as well as the cost efficiency of energy projects.

A large number of senior specialists and officials of the energy sector were speakers of the conference, including Abbas Ali Naqi, Secretary General of OAPEC.

More than 100 experts and specialists from various countries of the world participated in the conference.

A specialized workshop was also organized on the sidelines of the conference.

The workshop provided suitable opportunities for exploration and discussion of subjects on the energy, renewable energy, environment, energy investments and technical approaches, which may lead to greater diversification in global energy sources.

12. Lecture on Government Leadership Development:

H.E. Dr. Abdul Hussain bin Ali Mirza delivered



a lecture under the title 'The Wise Exercise of Authority in Government Business' organized by the Public Administration Institute on May 20, 2010, in BAPCO Club, Awali.

The lecture features, as part of the government leadership preparation, diploma offered by the Public Administration Institute. The programme seeks to develop capabilities of new directors at the entry level of their management duties in the government sector and to groom and prepare them for efficient discharge of duties in their new positions.

The programme comprises training modules designed to upgrade awareness and hone the skills of new directors.

A total of 29 people attended the lecture from several government ministries, including Ministry of Culture and Information, Ministry of Labour, Ministry of Works, Electricity and Water Authority, Ministry of Education, General Organization for Youth and Sports, and Ministry of Shura and House of Deputies Affairs.

13. Seminar on Winning Market Lead in the New Decade:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on May 23, 2010, a seminar on winning market lead in the new decade, which was organized in the Ritz-Carlton Hotel in Bahrain.

The Minister addressed the discovery of oil in the Kingdom of Bahrain and the impact of this discovery on the people of Bahrain from economic, social and cultural aspects.

He also spoke of the reasons for the formation of TATWEER Petroleum, which is a joint venture between NOGA, Occidental and Mubadalah.

This was a specialized symposium, attended by a large number of specialists and interested individuals.



14. Petrotech Conference and Exhibition 2010:



His Royal Highness Prince Khalifa bin Salman Al Khalifa, the Prime Minister, deputed H.E. Dr. Abdul Hussain bin Ali Mirza, the Minister of Oil and Gas Affairs and Chairman of NOGA to open the 7th Middle East Refining and Petrochemical Conference and Exhibition (Petrotech 2010), hosted by the Kingdom of Bahrain during May 23 to 26, 2010 at the Bahrain International Exhibition Centre under the title 'Challenges of Downstream Industry: Financing, Market Changes and Technology'. The function was organized by the Arabian Exhibition Management and World Exhibition Events in collaboration with several professional organizations, with the support of a number the Gulf and international oil companies.

More than 700 participants attended the conference from several countries of the world. They discussed over three days the developments experienced by the refining, petrochemical and gas industry worldwide. They also discussed issues related to modernization of the existing refineries and building of grass root refineries to boost their capability for production of petroleum products with specifications that are compatible with the demands of the international standards. Also discussed was ways to encouraging investments in the refining and petrochemical industry and enhancing its competitive edge on international markets.

Petrotech Exhibit 2010 was opened on May 24, 2010 in Bahrain International Exhibition Centre with the participation of more than 120 companies from 20 international, Arab and Gulf countries. The exhibition featured display of the most recent and sophisticated technologies in this field and was visited by a large number, some 4,000 interested persons.

15. MENA 2010:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on May 31, 2010, the Heavy Crude Oil Conference (MENA 2010) in Awal Hall at the Gulf Hotel organized by Tribune Dubai in collaboration with the National Oil and Gas Authority, which closed on June 2, 2010.

The Minister pointed out in his keynote speech that the volume of heavy oil reserves in the Kingdom of Bahrain amounted to about one billion barrels. However, only 15 % could be extracted. He added that Bahrain was seeking to increase its oil production by about 70,000 barrels a day. There were proposals with Saudi Aramco to increase the quantity of imported oil to 350,000 barrels in lieu of the current 230,000 barrels. This meant that the Kingdom of Bahrain had a redundant capacity of 170,000 barrels of oil.

This would call for either increasing the refining capacity of the oil Refinery (currently 267,000 barrels a day) to 400,000 or 500,000 barrels or inviting the private sector over the long run to participate in the construction of a grass root refinery.

This conference, with more than 130 participants, focused on issues related to the heavy oil extraction and industry and brought to attention the fact that heavy crude and natural gas account for about 3 billion barrels out of 25 billion barrels of the crude oil extracted up to the beginning of this millennium. However, this massive reserve reconfirms the importance of heavy crude as a future source of energy.

16. Energy and Water Conservation Exhibition and Seminar:

NOGA participated in sponsoring the Energy and Water Conservation Exhibition and Seminar (EXPO 2010), which was organized in Bahrain International Exhibition Centre during June 14-16, 2010.

It was opened by H.E. Eng. Fahmi bin Ali Al-Jowder, Minister of Works and Supervising Minister of the Electricity and Water Authority, and in the presence of H.E. Dr. Abdul Hussain bin Ali Mirza.

NOGA took part in this year's exhibition with a large stand, which included BAPCO, GPIC and BANAGAS, since the authority is a key sponsor of EXPO 2010 and a primary supporter of this event.

The purpose of staging the Energy and Water Exhibition and Seminar 2010 lies in educating the consumers of electrical energy and water on the need to conserve and rationalize the typical consumption pattern of energy in the areas of public consumption, particularly in air-conditioning and refrigeration for domestic and commercial applications.

The exhibition also contributes to promotion, education and acquaintance with the sources of energy, their importance and how to conserve them for future generations.

Organized by EWA and the Bahrain Society of Engineers, the Energy and EXPO 2010 is sponsored by NOGA, with the participation of the subsidiaries of nogaholding.

17. The Middle East Health, Safety and the Environment Conference and Exhibition:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on October 4, 2010 the Middle East Health, Safety and the Environment Conference and Exhibition, which was held in the Gulf International Conventions Centre at the Gulf Hotel.

The conference was organized by the International Society of Petroleum Engineers under the theme 'Pursuit to Attain Excellency in Health, Safety and the Environment in a Changing World: Ability, demand for Energy, Security, Global Economy and Social Responsibility'.

The conference witnessed extensive attendance by participants for several international, regional and Gulf countries, besides specialists and interested individuals. The conference was a good opportunity to benefit from the experiences and expertise of the lecturers, meetings among participants and exploration of a number of issues.

In addition, it also helped participants benefit through acquaintance with the most recent technologies and scientific breakthroughs in the field of the environment and safety displayed in the accompanying exhibition. A specialized technical workshop was also organized on the safety and risks of land transportation. The workshop was significant considering the increase in the number of vehicular accidents on the roads across the globe.

18. Regional Consultations Meeting on Energy and Climate Change:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on October 6, 2010 the Regional Consultations Meeting on the Arab Resilience Initiative on Climate Change, which was organized at Princess Al-Jawhara Centre by the UNDP in the Kingdom of Bahrain and the University of Bahrain.

The meeting was held primarily to address existing problems of concern to the countries in the region including the Kingdom of Bahrain.





In addition, it discussed national and regional priorities and opportunities of cooperation between the Arab countries in responding to climate change issues, especially the optimal utilization of energy and renewable energy and cooperation in related research and developmental efforts.

NOGA pays due attention to conservation in energy consumption and has set up in 2006 a committee for conservation of energy headed by the Authority, with the membership of a number of ministries, corporations, academic institutions and major industrial companies.

The objective was to minimize energy wastage and squandering in all aspects of production and consumption for the various industrial, commercial, domestic and other applications. The Kingdom of Bahrain is blessed with abundant solar and wind energy. Turbines are installed to harvest wind energy and generate close to 13% of the total energy requirements of Bahrain World Trade Centre.

Bahrain also started implementing an experimental project for the utilization of solar energy for illumination of roads by installing solar powered poles in some side streets. These will operate throughout the year independently of the electrical network and will not be affected by any potential disruptions.

19. The Fifth Arab Petrochemical Industry Annual Conference:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on October 11, 2010, the Fifth Arab Petrochemical Industry Annual Conference organized at the Gulf Hotel by the Energy Exchanging

and the World Refinery Association in collaboration with NOGA, which lasted until October 13, 2010.

This key event included the third scientific seminar on chemical fertilizers, the fifth annual conference, specialized workshops and an exhibition. It attracted a large number of international specialists, many from the Middle East and the GCC. The conference is one of the largest gatherings in the region and has allowed for exchange of ideas, and has been a stimulus for the role of the private sector to adopt a number of petrochemical industries, chemical fertilizers and downstream industries in the Gulf.

20. OAPEC Conference on Improving Oil Refineries to Produce Clean Fuels:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on October 25, 2010 a Conference on Improving Oil Refineries to Produce Clean Fuel, organized in the Move-in-Pick Hotel, Bahrain, by the Organization of the Arab Petroleum Producing Countries (OAPEC) in collaboration with BAPCO.

The Minister addressed the projects implemented by NOGA, confirming that the authority was considering the development of new projects in the Refinery capitalized at more than US\$5 billion.

In his address, H.E. Abbas Ali Naqi, Secretary General of OAPEC highlighted the cooperation between NOGA and OAPEC, which resulted in the Kingdom of Bahrain hosting this specialized conference.



Experts and professionals presented several discussion papers.

More than 100 specialists in the oil and gas field from the GCC states and Arab countries in OAPEC and a number of non-OAPEC Arab, regional and world countries participated in the conference.

BAPCO organized a visit for the participants to the oil Refinery as well as to the Oil Museum located near the first well discovered in the Kingdom of Bahrain.

21. The Second Conference on Petrochemicals and Chemicals Supply Chain:

Under the patronage of H. E. Dr. Abdul Hussain bin Ali Mirza, the GCC Association of the Petrochemical and Chemical Producers organized its second chain conference at the Gulf International Conventions Centre, Gulf Hotel, during October 25-26, 2010. The conference discussed salient developments in the oil industry and realization of value added for such products. It also explored beefing up the quantity of information and minimization of operating costs and expenses.

Several major national industrial companies, including BAPCO, Bahrain Aluminium (ALBA), BANAGAS, TATWEER, GPIC and a number of the regional and international companies participated. This effective participation by such major companies comes because of their unshakable faith in the need for exploring all issues conducive to the

promotion of the industrial sector in the Kingdom of Bahrain and realization of the Economic Vision 2030.

22. Energy Security Conference:

H.E. Dr. Abdul Hussain bin Ali Mirza participated as the keynote speaker in the Energy Security Conference held under the theme 'Energy Security Potential for EU GCC Cooperation'. The conference was organized under the patronage of H.E. Shaikh Khalid bin Abdulla Al Khalifa, Deputy Prime Minister, during November 9-11, 2010 at the Diplomat Radisson Blu Hotel.

H.E. Dr. Abdul Hussain bin Ali Mirza emphasized that energy was the backbone of civilization, without stable energy supplies, the world where we live and all things taken for granted will collapse and our energy security concerns were justified for all countries and in all areas.

The Minister highlighted the importance of establishing strong entities based on five fundamentals which may apply to the security of oil and gas supplies to the rest of the world, namely:





a. Avoidance of wars for secure supplies

b. Combating terrorism in whatever form it may take. This is due to its impact on all countries and communities in the various corners of the world.

c. Enhancement of national security measures.

d. Use of advanced technology to extend the life of both crude oil and natural gas supply.

e. Economic and business partnership with strategic companies, which are in a position to provide capital, knowledge, expertise and skill.



23. History of Oil in the Kingdom of Bahrain Presentation:

H.E. Dr. Abdul Hussain bin Ali Mirza, Minister of Oil and Gas Affairs and Chairman of NOGA, made a presentation on November 22, 2010 in the Alayam Media Centre in Janabiya entitled the 'History of Oil Discovery in the Kingdom of Bahrain' and formation of BAPCO.

The Bahrain History and Archaeology Society as part of the 56th cultural Season of the society organized the lecture.

H.E. Dr. Abdul Hussain bin Ali Mirza, focused on four key topics, in his presentation, namely:

1. Use of petroleum products since ancient times and Delmon Civilization.
2. Stages of the development of oil industry in Bahrain, beginning with the British correspondence with Bahrain on oil and the first oil exploration concession granted by the Government of Bahrain.
3. The date of oil discovery in the Kingdom of Bahrain and the formation of Bahrain Petroleum Company. Bahrain is the first GCC state where oil was discovered in 1932.
4. Developments in the organizational chart of the oil and gas sector in the Kingdom of Bahrain and

the Bahrain Government participation in the oil companies.

24. Specialized Conference on Oil Well Control:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the Kingdom of Bahrain hosted on November 29-30, 2010, at the Gulf International Conventions Centre, Gulf Hotel, the 'Middle East Well Control Conference and Exhibition'.

The event was organized by the International Association of Drilling Contractors in collaboration with the support of several companies.

The sponsors included BAPCO, the platinum sponsor, Weatherford Drilling Contractors, Nobel Corporation, Petroleum Development Oman, TATWEER and Gulf Drilling International.

The conference shed light on a number of issues.

The most important topics covered at the conference were monitoring and tracking of policies and procedures related to wells, monitoring of wells using state-of-the-art technologies used in controlling well underground explosions and the subject of safety, environment and training.

An exhibition was organised as part of the conference.

Many international oil companies participated in the exhibition. It was hugely successful. Participants displayed the most recent technologies reached by science in the field oil and gas exploration, mainly those related to well control.

25. The Fourth Middle East Summit on Communication and Information Technology in the Oil and Gas Sector:

H.E. Dr. Abdul Hussain bin Ali Mirza opened on November 30, 2010 the 'Fourth Middle East Summit on Communications and Information Technology in the Oil and Gas Sector' organized in the Kingdom of Bahrain during November 30 to December 1, 2010 in the Mövenpick Hotel. This summit was organized by World Development Forum, with the support of several specialized companies.

The Oil and Gas Sector has grown to be essentially dependent on modern technology and software in the management of its chain of operations, beginning with the announcement of the petroleum projects on the Internet, through utilization of geological and geophysical survey technologies, oil and gas exploration, production, refining and marketing.

The oil and gas operations control and monitoring rooms also boast of high technology.

The information and communications technology plays a significant role in the oil industry due to the development of knowledge and digital technologies, augmented by increased oil and gas exploration activities.

26. Maintcon 2010:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, the Kingdom of Bahrain hosted the Middle East Maintenance Conference and Exhibition (Maintcon 2010) organized at the Gulf International Conventions Centre, Gulf Hotel, during December 5-8, 2010 by the Bahrain Society of Engineers and the Gulf Society for Maintenance Professionals.

The discussion, with more than 1,000 participants from several international, regional and GCC countries was organized for the first time on 'Maintenance Management for Operation Excellence'. It focused on the conclusive and definitive role of maintenance to guarantee reliability of production assets in the industrial environment fraught with problems.

Productivity and cost effectiveness are of paramount importance for survival in such a competitive environment in a market under economic depression.

The conference and exhibition brought together under one roof a large number of companies, speakers and specialists from all over the world, including equipment and technology riggers, maintenance service providers, maintenance management, materials handling, storage, planning, scheduling, forecasting technology, follow-up, maintenance engineering and reliability specialists, besides operation processing specialists and others. A total of 57 technical papers covering a host of subjects were presented in the conference.

More than 70 companies participated in the accompanying exhibition where they displayed the most recent related technologies and a large number of interested parties and individuals visited the exhibition.





Sixth: Legislations and Administrative Orders



Decrees and Ministerial Orders Promulgated in 2010

First: Decrees

1-Royal decree No. 4 for the year 2010: amending certain provisions of decree No. 78 for the year 2005, providing for the formation of the Board of Directors of and determination of its purposes and functions.

2-Royal decree No. 59 for the year 2010 providing for the formation of the new government:

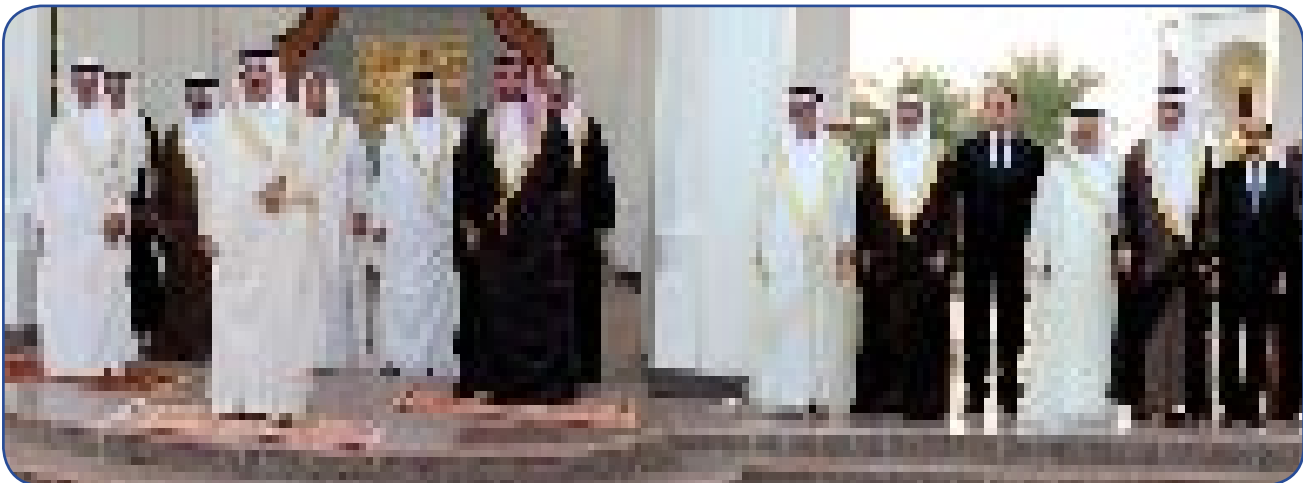
- providing for the formation of a new government under H.R.H. Prince Khalifa bin Salman Al Khalifa.
- The new government included the reappointment of H.E. Dr. Abdul Hussain bin Ali Mirza as Minister of Oil and Gas Affairs.

3-Order No. (3) for the year 2010 assigning the task of the management of BAPCO to the Board of Directors who have been tasked with undertaking the management of the nogaholding.

4-Order No. (5) for the year 2010 amending the price of natural gas.

5-Decision No. (6) for the year 2010 providing for the reformation and organization of the work of the Natural Gas Applications Committee.

6-Order No. (7) for the year 2010 restricting future government participation in the commercial companies formed by the government or whose participation is in the form of a state-owned property to the government lease of that property or determination of utilization benefit without conveyance of the title to the property.



Second: Orders:

1-Order No. (1) for the year 2010 providing for the organization of the work of the committees concerned with the Bahrain Field Development Agreement (DPSA) and related ancillary agreements.

2-Order No. (2) providing for the formation of the committee for coordination and follow-up with the World Petroleum Council.

7-Order No. (8) for the year 2010 seconding some employees to certain positions.

8-Order No. (9) for the year 2010 extending the term of the office of the representatives of the Government of the Kingdom of Bahrain nogaholding on the Board of Directors of BANAGAS and Directors of BANAGAS Expansion.



Seventh: Administrative Developments



1. NOGA: Standardization of Allowances for Both Genders:

The National Oil and Gas Authority, in implementation of the provisions of the memorandum of understanding (MoU) signed between the NOGA and the Supreme Council for Women in 2009 and as part of the review of all provisions of international conventions on the elimination of all forms of discrimination against women (CEDAW), announced revocation of the gender-based discrimination in payment of the social allowance between the employees of the Authority. NOGA has proceeded since the beginning of the year to adjust the social allowance for all female employees for parity with the males in all positions and grades.

This action is part of the policies and trends to periodically revise all benefits, allowances, training and promotion opportunities available for women as provided for in the MoU between NOGA and the Supreme Council for Women. The new rules of NOGA provide for equality between all male and female employees without any gender-based discrimination. The action comes as part of the NOGA's effort to boost the women's role and maintain their professional stability.

2. Annual Recognition of NOGA's Employees:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, NOGA organized on August 21, 2010 in Awal Hall, Gulf Hotel, its annual event for honouring NOGA's long-serving employees and those who earned awards and incentives for their dedication and diligence.



H.E. Dr. Abdul Hussain bin Ali Mirza in his speech during the ceremony lauded the loyalty and dedication of those who were honoured and all other NOGA employees. He expressed his gratitude for their contribution towards the achievements of NOGA and in the oil and gas sector in general over the past few years.

Employee Ali Ahmad Sabil spoke on behalf of employees who were honoured during the ceremony. The Minister handed out awards to 39 outstanding staff members. The ceremony warped up with a special Ramadan banquet (Ghabga).

3. The Energy Building:

H.E. Dr. Abdul Hussain bin Ali Mirza accompanied by senior officials of NOGA, paid an inspection visit on September 28, 2010, to the headquarters of located between Bahrain Bay and the Financial Harbour.

He was briefed on the progress of the project with Bahrain Real Estate Investment Company (EDAMAH). The formalities for the selection of the architectural consultant designer of the premises, namely RMGM Company, have been completed.

The framework agreement for the construction of the building of was signed on November 20, 2008 between and EDAMAH for construction of the 40 storey structure.

4. Celebration of the Bahraini Women's Day:

Under the patronage of H.E. Dr. Abdul Hussain bin Ali Mirza, NOGA organized its annual celebration marking the Bahrain Women's Day on December 1, under the theme 'Bahraini Women and Volunteer Work - 55 years of Participation and Contribution'.

He congratulated H.R.H. Princess Sabika bint Ibrahim Al Khalifa, the wife of His Majesty the King and President of the Supreme Council for Woman, lauding Bahraini women and other women employees of NOGA.



He underscored the vital role of women in the oil sector as they account for more than 25% of the total employees of the NOGA, which is a high percentage considering the nature of this sector.

In line with this year's theme, the Minister applauded a number of NOGA's women employees who undertake significant volunteer work at charitable, social and sports fields.

He commended their contributions owing to the great role in fostering the spirit of citizenship, boosting the sense of belonging and realization of social brotherhood and solidarity.

The Minister handed out certificates of appreciation and awards to the female employees engaged in volunteer work in the service of the community. He also honoured all female workers in appreciation of their efforts in and contribution to the service of NOGA objectives and programmes.

5.Preparations for Obtaining ISO Accreditation:

In response to the directives of H.E. Dr. Abdul Hussain bin Ali Mirza, NOGA is vigorously seeking and gearing up to land the ISO accreditation for promotion of business, which comes as part of NOGA's vision to change its methodologies and modus operandi.

All documents and preparations have been finalized and the required data compiled. An agreement has been reached with a consultant specialized in quality. NOGA is expected to earn the accreditation certificate in the first quarter of 2011.

6.Issued Licences:

The National Oil and Gas Authority issued the following licences:

- a.Seven licences for auto and boat gas stations.
- b.A total of 24 miscellaneous oil licences.
- c.Approval of five small gas refilling outlets after satisfaction of all required conditions and licensing of one company for distribution of gas bottles.

7.Inspection of petroleum products and used oil shipments destined for export;

some 753 containers have been inspected and the total of the exported substances which were totalled 18,645 metric tons.

8.Adjustments in the classification of the oils as petroleum wastes:

Classification of the substances saturated or mixed with great quantities of subsidized petroleum products has been revisited to classify them as subsidized substances the export of which is banned.

9.Training and Development:

A number of employees have been enrolled in 42 training courses covering a number of specializations, 36 courses of which were local and six external courses. The opportunity was extended to a number of employees for self-development studies in order to earn higher academic certifications.

The purpose of these training programmes is to promote the performance of the employees for increased productivity. NOGA goes to great lengths to train its employees and acquaint them with high tech developments and innovations as they unfold.

10.NOGA Website:

The site is designed to facilitate NOGA's services applications and make them electronically available in line with e-government requirements.



Eighth: Publications





1. 'Oil and Gas Year':

The Oil and Gas Authority issued in March, in cooperation with Wild CAT Publishing the 'Oil and Gas Year' in English. The book illustrates the developments experienced by the oil and gas sector in the Kingdom of Bahrain, in addition to the strategic projects being implemented by and the achievements made by the oil subsidiaries of nogaholding.

2. Oil and Gas Statistics for 2009:

This set was issued in March and contains the statistics of Bahrain field, Abu Saafa field, the Saudi Arabian crude oil imports, the Refinery runs, the refinery output, domestic sales and petroleum product exports during 2009.

3. The book 'A Word in Time':

The book 'A Word in Time' was published in April. It was designed under the supervision of H.E. Dr. Abdul Hussain bin Ali Mirza, Minister of Oil and Gas Affairs and Chairman of NOGA, contains the speeches and remarks of His Excellency in

the various professional and oil conferences, seminars and occasions His Excellency had delivered since the promulgation of Royal Decree No. 63 for the year 2005, sanctioning the formation of NOGA. The book is regarded as a reference to researchers and interested individuals and groups for oil and gas data and information.

The Minister gifted a copy of the book to His Highness Shaikh Mohammed bin Mubarak Al-Khalifa, Deputy Prime Minister during the inauguration of the Alayam Cultural Festival (September 23 to October 2, 2010) at the Bahrain International Exhibition Centre.

4. Annual Report on NOGA's Achievements for 2009:

NOGA published in April the bilingual, 8-chapter Arabic-English annual report.

5. Facts and Figures:

NOGA published in April the bilingual Arabic-English 'Facts and Figures' booklet, providing the organizational structure of the oil and gas sector, the oil agreements, information on the petroleum subsidiaries of the Oil and Gas Holding Company and statistics for the period from 2005 to 2009.

6. Booklet on the workforce, Training and Bahrainization in Oil Companies:

NOGA published in April a bilingual Arabic-



English booklet on the workforce, training and Bahrainization in oil companies through the year 2009, containing statistics on the workforce in the oil subsidiaries of the Oil and Gas Holding Company.

7. Study on the Refining and Petrochemical Industry in the GCC States and Iraq:

This study was prepared in May 2010 to coincide with the regular convention of the Middle East Refining and Petrochemicals (PETROTECH) held in the Kingdom of Bahrain. The purpose of the booklet is to document and evaluate the developments experienced by this sector during the period between the two sessions (2008 – 2010). It provides adequate image on the

overall status of this vital economic sector and its latent energies.

8. Special report on NOGA Marking its Fifth Anniversary:

NOGA issued in September a special report on the fifth anniversary of the promulgation of Royal Decree No. 63 for the year 2005 issued by His Majesty King Hamed bin Isa Al-Khalifa, providing for the establishment of NOGA (as the sole agency responsible for the oil and gas sector in the Kingdom of Bahrain). The report illustrates the achievements made by NOGA, the oil agreements signed, as well as the oil projects implemented during the period from September 2005 to September 2010.

