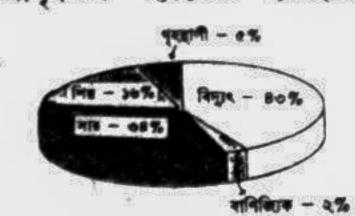
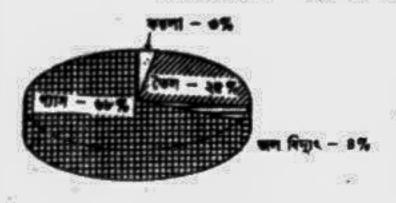
IMPORTANT INFORMATION OF BANGLADESH NATURAL GAS SECTOR

প্রাকৃতিক গ্যাসের ব্যবহার



বাণিজ্যিক জ্বালানীর ব্যবহার



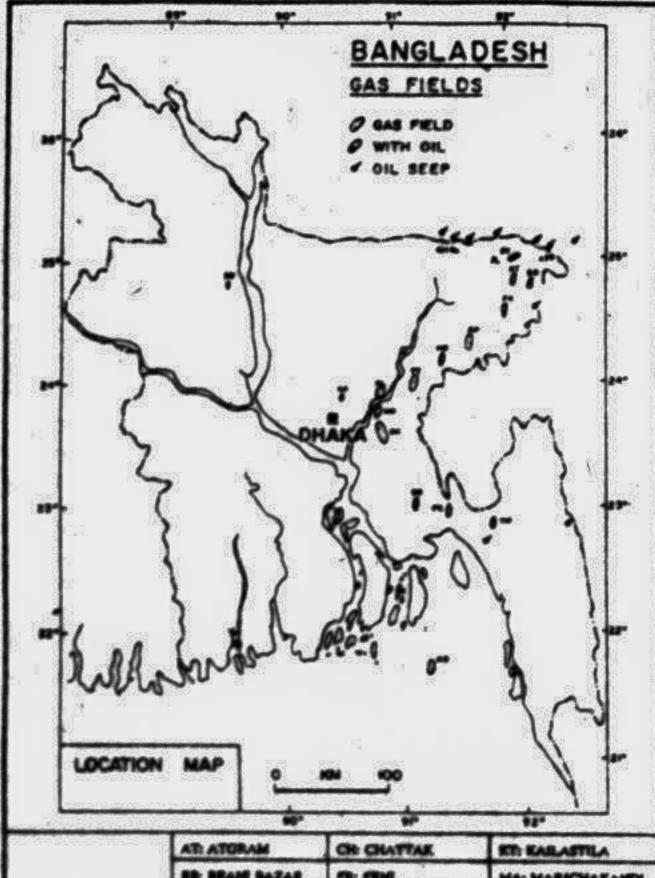


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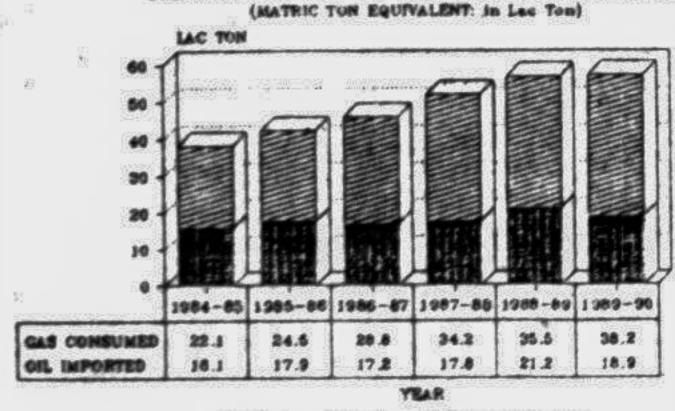
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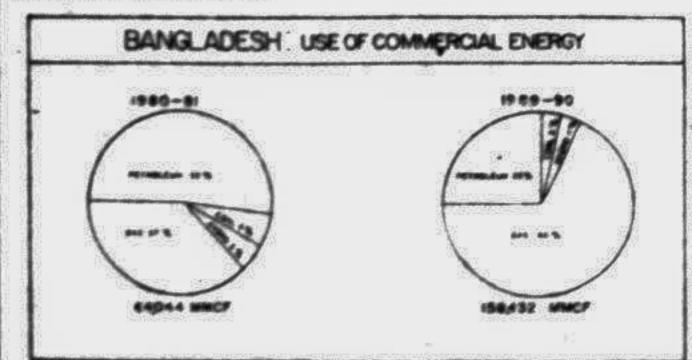


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	NG: PROUMGANI	PG: FEHCHUGANI	RP: RASHIDPUR
	BL BELANO	HIS HABIGANI	SHE SEMUTANG
	RE: BAKHRASAD	R: MALABAD	SYLHET
	BL BELABO	KA: KANTA	TO TITAL
	90 900BA	ED COMMONA	

OIL IMPORT VIS-A-VIS GAS CONSUMPTION



OIL IMPORTED GAS CONSUMED PRODUCTION & MARKETING DIVESTOR



WELLS DRILLED AND PRODUCING WELLS (1908-1991) . TOTAL NUMBER OF WELLS DRILLED . 89 * TOTAL EXPLORATORY WELLS . 52 . TOTAL DEV / APPRAISAL WELLS . 37 . 17 NO OF GAS FIELDS ON PRODUCTION GAS FIELDS ON PRODN NO. OF WELLS ON PRODN. SYLHET KAILASTILA HABIGANJ TITAS BAKHRABAD FENI TOTAL & 6 FIELDS 26 WELLS AVG. DAILY PRODUCTION 1 600 MMCF

COUNTRY	PER CAPITA, INCOME	PER CAPITA COMMERCU ENERGY CONSUMPTION
BANGLADESH	100	. 100
NEPAL .	107	40
INDIA	. 180	467
SRI LANKA	253	323
PAKISTAN	253	506
CHINA	207	1198
SUDAN	200	141
KENYA	· 193	240
ETHIOPIA	73	40

COUNTRY	PER CAPITA INCOME	PER CAPITA COMMERCIA ENERGY CONSUMPTION
BANGLADESH		. 100
U.S.A.	11,126	16,926
CANADA	9,120	21,451
SWEDEN	7,927	15,074
U.K	5,640	8,379
SOURCE : WORL	D DEVELOPMENT REPORT,	1987.

Natural Gas of Bangladesh

From Page- 8 to be installed gas Besides, World Bank and other donor agencies, the Govt. has to consider to utilise her own resources to response from implement development activities. Parallelly, discovered alternate source of energy has to be developed for balance utilization of primary energy in this context, development of coal fields & considerd. To meet energy demand of western part of the country, LPG will be extracted from the Kailashtila gas field LPG processed Ashugani and bottled Elenga. langail transportation processing & bottling plant will be installed at Kailashtila. reserves

constraints of the country,

production sharing contract the mean time, Petrobangla received nine oi companies. Out of which representatives of seven companies have already visited Bangladesh. expected that in near future production sharing contract will be signed with few companies. As a result. through the financial and technical participation of foreign Oil companies. exploration activities will be accelerated. Smaller discovered gas fields of the could country not be developed due vet to constraints. To financial develop those actively government Western Zone Additionally, considering participation of to meet the LPG demand of local and foreign investors. greater Sylhet district, a LPG. To meet the future need of and discover new the future generation, Petrobangla is Under the present economic giving relentless efforts or exploration & production of government is trying to oil, Petrobangla has also attract foreign oil companies taken up definite programme to invest money for oil and with her own resources.

exploration under

OBJECTIVE

The overall objective of the project is to maximize the use of natural gas for meeting increasing demand of commercial energy with a to reducing the countries dependence on imported fuel. The specific objective of the project is to supply gas to the proposed Jamuna Fertilizer Company Ltd. at Tarakandi (capacity: 5.5 Lac MT/Yr) and to the 100 MW Power Plant at Mymensingh. Besides this, the project envisages gas connection to 238 industrial, 874 commercial and 84,833 domestic consumers during first 20 years of project life greater Mymensingh district area Provision exists to extend the gas transmission pipeline from Elenga along the

facilities in the mid-eastern

region of Bangladesh i.e.

Dhaka.

Mymensingh and the district

Brahmanbana

transmission, distribution sale

greater

greater

AN INTRODUCTION TO TITAS GAS TRANSMISSION AND DISTRIBUTION COMPANY LIMITED.

The history of the use of were subscribed by the then natural gas as a source of energy and feed stock in Government and remaining Bangladesh dates back to early 60's. Haripur Gas Field the district of Sylhet production in 1961 supply of gas to Natural Gas Fertilizer Factory through Fenchugani Pipeline. 28-mile Gas Chhatak discovered brought into commercial production commencement of supply to Chhatak Cement Factory in 1960 through a 12-mile long transmission A new era was opened in commercial operation with

Company Limited incorporated on authorized and paid up purpose to construct, own capital of Tk. 1.78 crores only, and operate natural gas Ninety percent of the shares transmission & Jistribution

E.P.I.D.C. on behalf of the ten percent by the Shell Oil Company

liberation Bangladesh in 1971 the Company was nationalised in vested in the Government of and placing administrative under Petrobandla (Bangladesh Mineral Corporation). The the company of during 1991-92 are Tk. 200 crores and 41 315 crores respectively.

The Company first went into the history of the use of the commissioning of gas natural gas following the supply to Siddhirgani Thermal discovery of natural gas Power Station on 28 April, reserve in the Titas Gas Field 1968 after construction of 14" Gas dia 58-mile long Titas-Demra Transmission and Distribution Transmission Pipeline during was the period 1964 to 1968 20th The basic objective of the November 1964 under the Company is to sell gas within Companies Act 1913 with an its franchise area and for that

of natural gas Under the overall supervision and control Bangladesh Oil Gas & Mineral Corporation (Petrobangia) since 1972 TGTDCL is managed by a Board of Directors The Directors are nominated by Government Secretary, Ministry of Energy & Mineral Resources is the current Chairman of TGTDCL Board The Chief Executive Managing Director ex-officio Member of the Company Administration. Divisions viz Logistics. Marketing and Finance. Planning & Development each headed by a General Manager and Secretariate headed by a General Manager and a Secretariate Headed by Secretary Basides, Brahmaputra Basin Project and Vigilance Division are each headed by a General Manager The

Company has at present

(December, 92) 599 Officers

and 1715 Staff.

BRAHMAPUTRA BASIN GAS T & D PROJECT PROJECT BRIEF Jamuna EXECUTION / proposed

Western Zone

BACKGROUND

gas facilities to the districts

of Greater Mymensingh area

was initiated during 1980

based on which an in-house

engineering study was

undertaken by Titas Gas T &

D Co. Ltd. (TGTDCL) to

assess the feasibility. Another

report was subsequently

prepared by TGTDCL in late

1984 and submitted to the

Government for approaching

The Manila based Asian

Development Bank (ABD) in

1985 came up with the

proposal of extending a small

technical assistance (TA) to

the Government to formulate

a scheme under the TA. The

ADB appointed M/S. STONE

& WEBSTER INC, USA to

review previous studies as

well as Government plan to

determine an optimum

expansion scheme aimed at

supplying gas to the potential

bulk consumers located in

the project area. The

Consultant proposed several

options both in sizing of

pipes and routes. The final

route was established after

the selection of tentative site

multipurpose bridge over the

Fertilizer

transmission pipeline was

finally established at 24" DN

after prolonged discussions

between the Government

and ADB taking into

consideration the provision of

future extension of the

transmission pipeline over

the Jamuna Bridge which

would be the least expensive

way to cross the river for

supplying gas to the Western

Zone of the Country.

River

Jamuna

proposed

and the

Factory.

the donor agencies.

CAPACITY Brahmaputra Basin System will have a transmission capacity of 235 MMCFD (operating * pressure 950 psig) to deliver 135 MMCFD to the Greater Mymensingh area reserving 100 MMCFD for the Western Zone.

ESTIMATED COST Local Currency: 12,307.00 Lacs

(US \$ 39.70 million) Foreign Currency : 19,933.00

(US\$ 64.30 million) Total Cost: 32,240.00 Lacs (US \$ 104.00 million)

FINANCIAL ARRANGEMENT

A loan agreement has been signed between Govt. of the people's Republic Bangladesh and Asian Development Bank US\$ 74.00 million (incl US\$ 9.70 million as R.P.A.) for the Project for which land survey commenced in January 88. The Project is scheduled to be wholly completed in June

SCOPE OF WORK

Acquisition (675 Acres) and Requisition (1250 Acres) of land for R.O.W. construction of Block Valve Stations, M & R Stations. Scraper Stations & other related pipeline facilities, Civil Construction etc.

Construction high pressure natural gas transmission pipeline and distribution networks, comprising

• 43 km of 12" DN High pressure Transmission pipe line from Elenga to Tarakandi.

• 56 km of 12" DN High pressure Transmission pipe line from Dhanua to Mymensingh.

 125 km (78.0 Miles) of 609.6 mm (24" DN) High pressure Gas Trunk Main Line from Ashugani to Elenga, including twin crossing of Meghna River and Banar River Crossing by Directional Drilling Method.

 435 km (270 Miles) of feeder lines, service mains and distribution network ranging from 33.4 mm (1" DN) to 255.6 mm (14" DN).

 121 km of lateral transmission line of varying diameter ranging from 4" DN to DN. including River Brahmaputra Crossing Mymensingh (8" DN) and at Jamalpur (4" by Directional Drilling method.

Installation of 10 (ten) Metering & Regulating

Stations. Construction of Cathodic protection system, Tele metry Telecommunication network facilities.

CIVI construction operational/ including functional/residential buildings etc.

Provision for consultancy services for assisting TGTDCL design, pipeline engineering, inspection construction. project implementation.

Provision overseas TGTDCL training officials.

CONSULTANCY

30-6-91.

A consulting firm, named PIPELINE ENGINEERING GmbH of West Germany was appointed under a contract dated 23.1.89 and valued at DM 2,419,163.00 Tk 4.518.000.00 for assisting TGTDCL in various matters, have started their work since January 24, 1989 Consultants completed their assignments as ber Terms of Reference and left on

The proposal for extending Multipurpose Bridge to the COMPLETION

With the assistance of the expatriate consultants and due observance of the procurement guidelines of the Asian Development Bank, numerous international invitations for bid were floated, bids received and evaluated, necessary approvals of Titas Board, Petrobangla Board and Government obtained, contract numerous negotiated, signed and duly JFCL). along with performed ancillary works-all leading to completion of the entire scope of work of the project excepting construction of a portion of transmission pipeline and distribution network now underway, and expected to be completed

within the scheduled time

i.e.June 1994. The project is now about 90% complete.

The most important milestone of this project was laid when the country's largest fortilizer factory, owned by Jamuna Fertilizer Company Limited was supplied with gas on 10.3.91 for trial production (capacity production commenced on 1.7.91 as scheduled under contract dated between

The second important landmark implementation Brahmaputra Basin Project is the formal inauguration of gas supply in the project area in greater Mymensingh on 27.1.93 by the Prime Minister of Bangladesh.



Ashuganj MNR Station

Titas Gas Transmission and

20th November, 1964.

Titas Gas Bhaban,

Kawran Bazar C/A,

Dhaka-1215.

Resources.

28th April, 1968.

Tk. 200.00 crores.

Distribution Company Limited

105, Kazi Nazrul Islam Avenue,

Bangladesh Oil, Gas & Mineral

Corporation (Petrobangla).

Ministry of Energy & Mineral

Tk. 41.315 crores (30-6-92)

3834.99 MMCM (1991-92).

Tk. 496.00 crores (1991-92)

Tk. 1600:00 crores (1991-92).

1291

204

6594

3676479

264 KM-(1000 PSIG)

222 KM-(1000 PSIG)

824 KM-(50 PSIG)

370 KM-(50 PSIG)

4182 KM.

2502 KM-(300/150 PSIG)

375579

: Tk. 617.25 crores (1991-92).

TITAS GAS AT A GLANCE

Name of Company

Date incorporation Registered Office

Administrative Corpora-

Administrative Ministry

First Gas Connection Authorised Capital Paid up Capital Annual Gas Sale Annual Revenue Contribution to National Exchequer Foreign Exchange Savings: Customers upto Dec. '92

Power Station Fertilizer Factroies Industries Brick fields

Commercial

Domestic

Grand Total Pipeline laid

> Transmission (Titas) Transmission (B.B) Distribution (Main) Distribution (Service) Distribution (Customer financed)

Grnad total

(upto November '92)

Titas Franchies Area:

Brahmanbaria, Narsingdi, Narayangani, Dhaka, Munshigani, Gazipur, Manikganj, Mymensingh, Netrokona, Jamalpur, Sherpur, Kishoregani

Sources of Gas

Titas, Habigani, Kamta and Bakhrabad

and Tangail.

Manpower (up to Dec. '92) Officers

Staff

1715

COURTESY :

JANATA BANK