

Grant No. 39
142 - Energy and Mineral Resources Division
Medium Term Expenditure

(Taka in Thousands)

Description	Budget 2019-20	Projection	
		2020-21	2021-22
Operating Expenditure	69,84,00	65,04,38	66,68,00
Development Expenditure	1915,85,00	2118,38,00	2336,00,00
Total	1985,69,00	2183,42,38	2402,68,00
Recurrent	545,40,79	789,98,02	383,42,75
Capital	1440,12,21	1393,28,36	2019,09,25
Financial Asset	16,00	16,00	16,00
Liability	0	0	0
Total	1985,69,00	2183,42,38	2402,68,00

1.0 Mission Statement and Major Functions**1.1 Mission Statement**

Ensuring energy security for the country through exploration, development, production, import, distribution and comprehensive management of different sources of energy and mineral resources.

1.2 Major Functions

- 1.2.1. Formulation of Acts and Rules related to oil, natural gas, liquid petroleum products and mineral resources;
- 1.2.2. Formulation of policy related to energy, gas and different types of minerals other than radio-active minerals;
- 1.2.3. Subjects mentioned in the Bangladesh Oil, Gas & Mineral Ordinance, 1985 and the Petroleum Act, 1974 where Government is concerned;
- 1.2.4. Subjects mentioned in the Bangladesh Mineral Exploration & Development Corporation Order, 1972 now merged with Petrobangla;
- 1.2.5. Administration, planning, programming and management of programmes related to geological survey;
- 1.2.6. Administration and control of the Geological Survey of Bangladesh, the Bureau of Mineral Development, the Department of Explosives, the Bangladesh Petroleum Institute, Petrobangla, Hydrocarbon Unit and the Bangladesh Petroleum Corporation;
- 1.2.7. Liaison with international organizations, including matters relating to treaties and agreements.

2.0 Medium Term Strategic Objectives and Activities

Medium-Term Strategic Objectives	Activities	Implementing Departments/Agencies
1	2	3
1. Ensuring energy security	<ul style="list-style-type: none"> • Carryout geological mapping • To explore various sources of energy (drilling) • Geo-technical mapping • Evaluation of the catastrophic situation for 	<ul style="list-style-type: none"> • Geographical Survey of Bangladesh (GSB)

Medium-Term Strategic Objectives	Activities	Implementing Departments/Agencies
1	2	3
	environment and disaster management	
	<ul style="list-style-type: none"> • Exploring various sources of energy in different areas of the country • Drilling of wells for the development and production of Gas • To ensure production of gas through national companies and International Oil Companies (IOCs) • Extraction of coal as an alternative source of energy • Extraction of hard rocks • Production of petroleum products excluding NGL • To ensure production of NGL • To import LNG 	<ul style="list-style-type: none"> • Petrobangla
	<ul style="list-style-type: none"> • To organize workshops and seminars 	<ul style="list-style-type: none"> • Department of Explosives • Bangladesh Petroleum Institute (BPI) • Hydrocarbon Unit
	<ul style="list-style-type: none"> • Conducting research activities 	<ul style="list-style-type: none"> • Hydrocarbon Unit • Bangladesh Petroleum Institute (BPI)
	<ul style="list-style-type: none"> • Organizing training courses at home and abroad 	<ul style="list-style-type: none"> • Bangladesh Petroleum Institute (BPI)
2. Ensuring efficient use of energy and its supply throughout the country	<ul style="list-style-type: none"> • Expansion of gas transmission pipelines to different regions of the country • Installation of pre-paid and remote meters • Installation of compressor station • Disconnecting illegal and defaulter gas connections • Conducting 2D-3D seismic survey by BAPEX 	<ul style="list-style-type: none"> • Petrobangla
	<ul style="list-style-type: none"> • To enhance storage capacity of fuel • To increase the capacity of refining crude petroleum • To increase supply of LPG • To import, refine and distribute crude oil properly • To import and supply refined petroleum 	<ul style="list-style-type: none"> • Bangladesh Petroleum Corporation (BPC)
	<ul style="list-style-type: none"> • Issuance and renewal of no objection certificates to ensure safe production, storage, transportation and use of flammable materials • Examination of explosives 	<ul style="list-style-type: none"> • Department of Explosives

Medium-Term Strategic Objectives	Activities	Implementing Departments/Agencies
1	2	3
	<ul style="list-style-type: none"> To prepare survey reports on the reserve of energy resources 	<ul style="list-style-type: none"> Hydrocarbon Unit
3. Expand reserve of non-oil and gas mineral resources	<ul style="list-style-type: none"> To lease and issue licenses 	<ul style="list-style-type: none"> Bureau of Mineral Resources Development (BMD)

3.0 Poverty, Gender and Climate Change Reporting

3.1 Impact of Medium Term Strategic Objectives on Poverty Reduction, Women's Advancement and Climate Change

3.1.1 Ensuring energy security

Impact on Poverty Reduction: Energy is one of the main driving factors of economic development of a country. With the increase of energy reserves through oil and gas exploration, there is an increase in power generation, industrialisation and expansion of small and cottage industries nationwide. With the direct involvement of poor people with production and development of energy, the income of poor people and simultaneous purchasing power is increasing. Through capacity building in the exploration, development and production of gas, the economic development of the country will be accelerated which will have positive impact on poverty reduction.

Impact on Women's Advancement: Through proper management of oil and gas reserve energy is made available for all. The women, as half of the total population, are also benefited from this initiative. Accelerated development of the economy from the above initiatives will have positive impact on women's development. Through capacity building in the exploration, development and production of gas, the economic development of the country is being accelerated which has positive impact on women's development and poverty reduction.

Impact on Climate Change Adaptation and Mitigation: There is the possibility of affecting climate with the increase of energy use. One of the major objectives of ensuring energy security of the country is to patronage industries, which ultimately affect the climate of the country. Coverage of gas distribution pipelines has been increased three times in the last three years in different areas of the country to increase the use of comparatively low carbon emitting and efficient fuel. These activities are implemented keeping in mind about environmental protection.

3.1.2 Ensuring efficient use of energy and its supply throughout the country

Impact on Poverty Reduction: Poverty reduction process is getting momentum through engaging poor people in the installation of gas pipelines and distribution of gas. With the supply of fuel according to demand, people linked with irrigation and agriculture is being supported to increase their production. Increased agricultural production helps reducing poverty of the country. In addition to that, efficient use of gas has a positive impact on socio-economic development and poverty reduction despite its limited stock.

Impact on Women's Advancement: Women are benefiting in household activities as gas distribution widened. Supply of fuel according to demand helps women to be engaged in agriculture and irrigation sector.

Impact on Climate Change Adaptation and Mitigation: Reducing system loss and increasing skills of using energy resources play a key role in climate change mitigation. Existing projects are playing an important role in controlling gas seepage by means of well-head and enhancing skills for operations.

3.1.3 Expand reserve of non-oil and gas mineral resources

Impact on Poverty Reduction: There are vast reserves of mineral resources in different areas of the country. Employment opportunities are created through the production process of these mineral resources which directly contribute to poverty reduction.

Impact on Women's Advancement: Exploration of the mineral resources generates employment that contributes to women's development.

Impact on Climate Change Adaptation and Mitigation: Projects will be undertaken to keep emissions at a tolerable level from mineral exploration, extraction and usage, which will help attaining the internationally set carbon emission standards.

3.2 Poverty Reduction, Women's Advancement and Climate Change Related Allocation

(Taka in Thousand)

Description	Budget 2019-20	Projection	
		2020-21	2021-22
Poverty Reduction	2280,76,90	2674,43,78	3228,97,40
Gender	1858,85,67	1719,60,96	1833,53,23
Climate Change	146,69,14	157,35,72	166,19,63

4.1 Priority Spending Areas/Programmes

Priority Spending Areas/ Programmes	Related Strategic Objectives
1. Gas exploration and production: Strengthening gas exploration activities is necessary to meet the increasing national demand for gas. The energy security of the country will be ensured if new gas fields can be discovered.	<ul style="list-style-type: none"> Ensuring energy security
2. Development of the Coal sector: The existing national gas reserve is depleting gradually. The coal sector has therefore been given the second highest priority as the development of the coal sector help to ensure energy security.	<ul style="list-style-type: none"> Ensuring energy security
3. Ensuring uninterrupted supply of fuel: Uninterrupted supply of fuel is a must for development of agriculture, transport industry and the power sector.	<ul style="list-style-type: none"> Ensuring efficient use of energy and its supply throughout the country
4. Expansion of gas network and its efficient use: If maximum gas supply is ensured through expansion of the gas network, both small and large industries will be established in remote areas of the country. This will contribute to the economic development of the country.	<ul style="list-style-type: none"> Ensuring efficient use of energy and its supply throughout the country
5. Reduction of system losses and enhancement of Institutional efficiency: Government subsidy to this sector can be reduced significantly if revenue collections can be increased through reducing systems losses, enhancing the Institutional skills in marketing of oil and strengthening the realization of arrears.	<ul style="list-style-type: none"> Ensuring efficient use of energy and its supply throughout the country.

4.2 Medium Term Expenditure Estimates and Projection (2019-20 to 2021-22)

4.2.1 Expenditure by Department/Agencies/Institutional Units

(Taka in Thousands)

Description	Budget	Revised	Budget 2019-20	Projection	
	2018-19			2020-21	2021-22
Secretariat, Energy and Mineral Resources Division	1825,99,00	2211,55,49	1927,00,69	2132,22,44	2355,50,83
Head Office, Department of Explosives	6,67,18	3,32,35	3,48,09	3,80,31	3,91,09
Office of the Inspector of Explosives	1,26,82	1,46,82	1,59,69	1,69,82	1,74,54
Bureau of Mineral Development	3,59,00	2,43,00	3,74,00	4,16,30	4,01,60
Geological Survey of Bangladesh	147,10,00	71,27,37	49,86,53	41,53,51	37,49,94
Grand Total :	1984,62,00	2290,05,03	1985,69,00	2183,42,38	2402,68,00

4.2.2 Expenditure by Economic Group

(Taka in Thousands)

Economic Group	Description	Budget	Revised	Budget 2019-20	Projection	
		2018-19			2020-21	2021-22
	Recurrent Expenditure					
3111	Wages and salaries in cash	41,78,35	33,52,94	35,30,07	37,70,53	39,12,08
3211	Administrative expenses	8,79,17	5,01,55	4,81,55	5,90,39	5,00,27
3221	Fees, charges and commissions	14,96,56	1,23,56	48,50	26,50	11,55
3231	Training	3,67,41	3,77,00	3,02,00	3,89,00	2,99,00
3243	Petrol, oil and lubricants	1,63,44	1,21,90	1,31,05	1,38,80	1,45,05
3244	Travel and Transfer	2,37,50	2,23,15	2,45,00	2,60,05	2,37,30
3253	Public order and safety supplies	40,00	25,00	23,00	23,00	23,00
3255	Printing and stationery	1,08,39	1,05,92	74,92	1,09,16	61,77
3256	General supplies and materials	21,20	31,90	26,35	27,70	28,90
3257	Professional services, honorariums and special expenses	51,39,95	8,67,80	7,87,00	5,25,70	3,54,90
3258	Repairs and maintenance	16,75,75	2,89,90	3,92,35	3,45,40	3,45,15
3631	Current grants	2,56,20	2,37,50	2,85,00	3,00,00	2,92,78
3821	Current transfers not elsewhere classified	41,37,26	12,89,36	5,00	5,00	5,00
3823	Current transfers for projects	0	0	202,96,00	724,80,79	321,20,00
3911	Reserve	53,03,00	6,00	279,13,00	6,00	6,00
	Total : - Recurrent Expenditure	240,04,18	75,53,48	545,40,79	789,98,02	383,42,75
	Capital Expenditure					
4111	Buildings and structures	216,25,80	2,20,00	3,40,46	0	0
4112	Machinery and equipment	873,15,88	24,31,64	2,52,75	3,16,15	2,83,55
4113	Other fixed assets	5,57,84	12,35,91	2,08,00	1,53,00	1,45,70
4141	Land	398,36,18	25,00,00	5,00,00	0	0
4211	Capital expenditure for project	0	0	1427,11,00	1388,59,21	2014,80,00
4911	Reserve	251,06,12	0	0	0	0
	Total : - Capital Expenditure	1744,41,82	63,87,55	1440,12,21	1393,28,36	2019,09,25
	Assets					
7215	Loans	16,00	1802,74,40	16,00	16,00	16,00
7216	Equity and investment fund shares	0	347,89,60	0	0	0
	Total : - Assets	16,00	2150,64,00	16,00	16,00	16,00
	Grand Total :	1984,62,00	2290,05,03	1985,69,00	2183,42,38	2402,68,00

5.0 Key Performance Indicator (KPIs)

Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
			2017-18		2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8	9	10
1. Exploration of new Gas fields in different regions of the country	1	Number	1	4	6	6	4	4	4
2. Increase in Gas production (national companies and IOCs)	1	bcf	925	915	924	900	878	831	831
3. Increase in Coal extraction	1	Million MT	0.81	0.90	0.78	0.71	0.79	0.87	0.87
4. Construction and expansion of gas transmission pipelines to different regions of the country	2	KM	50	50	150	120	242	103	103
5. Importing LNG	2	MTPA	-	-	-	1.56	3.75	5.00	5.00

6.0 Recent Achievements, Activities, Output Indicators and Targets and Expenditure Estimates of the Departments/Agencies

6.1 Secretariat

6.1.1 Recent Achievements: According to the agreement with Exceleerate Energy, Singapore, the first FSRU with full of LNG has been reached at the Floating terminal at Maheshkhali, Cox's Bazar. Besides, another agreement has been signed with the Summit Corporation to set up a Floating Storage and Regasification Unit (FSRU) at Maheshkhali, Cox's Bazar. An agreement has been signed with Posco Daweo Corporation, Korea to explore oil and gas at the block Ds-12 in the deep sea under the Power and Energy Special Act, 2010.

6.1.2 Activities, Output Indicators and Targets: Not Applicable

6.1.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8
Operating Activities							
General Activity							
1420101 - Secretariat, Energy and Mineral Resources Division		21,11,40	18,21,80	13,97,99	14,68,29	15,53,14	16,25,50
Total : General Activity		21,11,40	18,21,80	13,97,99	14,68,29	15,53,14	16,25,50
Special Activity							
120000801 - Loans to Government Employees	-	0	0	0	16,00	16,00	16,00
120007600 - Examination Expense Management		0	40,00	33,00	0	0	0
120008453 - Research & Innovation Activity	-	0	0	0	10,00	12,00	15,00
127003401 - Commission for the Geological Map of the World (CGMW)	-	0	0	0	80	65	90
127010101 - International Union of Geological Sciences (IUGS)	-	0	0	0	60	65	65
Total : Special Activity		0	40,00	33,00	27,40	29,30	32,55
Support Activity							
136003400 - Commission for the Geological Map of the World (CGMW)		0	60	60	0	0	0
136010100 - International Union of Geological Sciences (IUGS)		0	60	60	0	0	0
Total : Support Activity		0	1,20	1,20	0	0	0
Total : Operating Activities		21,11,40	18,63,00	14,32,19	14,95,69	15,82,44	16,58,05
Development Activities							
Annual Development Program							
221000142 - Reserve for unapproved project Energy and Mineral Resources Division		0	32,00,00	0	279,13,00	0	0
Total : Annual Development Program		0	32,00,00	0	279,13,00	0	0
Total : Development Activities		0	32,00,00	0	279,13,00	0	0
Total :		21,11,40	50,63,00	14,32,19	294,08,69	15,82,44	16,58,05

6.2 Petrobangla

6.2.1 Recent Achievements: In recent times, seven (7) exploration wells and twenty-two (22) development wells, have been drilled and one (1) gas field (Vola North) has been discovered under Petrobangla. One (1) drilling rig, one work-over rig and two (2) process plants have been acquired. 13,532 lines km 2D and 1610 square km 3D seismic survey conducted. At present under production sharing contracts IOC's (International Oil Companies) are involved in exploration & development of oil and gas. In comparison with last several years, gas supply is increased to 2750 mmcf. Gas transmission pipeline of different diameter has been established. Coal extraction activities are also being continuing by developing underground mine whose daily average production is 4000 metric tons.

6.2.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. Exploring various sources of energy in different areas of the country	Well explored	1	No in thousand	5	4	6	6	4	4	4
1. Drilling of wells for development and production of gas	Well Drilled		No. in thousand	6	4	11	7	7	7	7
2. To ensure production of gas through national companies & International Oil Companies (IOCs)	Gas Produced IOCs	1	BCF	528	528	534	550	536	506	506
	Production through National company		BCF	387	387	390	350	342	325	325
3. Expansion of gas transmission pipelines to different regions of the country	Transmission Pipeline constructed	2	KM	50	50	150	120	242	103	103
4. Conducting 2D-seismic survey. By BAPEX	Seismic survey Conducted	2	Line KM	3500	3500	2000	1000	1000	500	500
5. Conducting 3d seismic survey By BAPEX	Seismic survey Conducted	2	Sq-km	600	600	550	1300	1140	-	-
6. Extraction of hard rocks	Hard rock extracted	1	MMT	.25	.60	.10	1.00	-	1.40	1.40
7. Production of petroleum products excluding NGL.	Petroleum products produced	1	MI	701	701	760	650	873	836	836
8. Installation of prepaid and remote meters	pre-paid meter.	2	No.	50000	55971	80104	80000	70076	78000	78000
9. Extraction of coal as substitute energy	coal extracted.	1	MMT	.81	.90	.78	.71	.79	.87	.87
10. To import LNG	Imported LNG	1	MTPA	-	-	10	1.56	3.75	5.00	5.00
11. Disconnection of illegal and defaulter gas connections	illegal connections disconnected	2	No.	4700	14707	5513	4360	5050	4250	4250
12. Production of NGL	NGL produced	1	ml	20	20	20	17	16	14	14

*LNG has not been imported before 2013-14

6.2.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	8
Annual Development Program							
224062100 - Installation of Wellhead Compressor at Location-A of Titas Gas Field (01/07/2016 - 31/12/2020)	8	7,00	5,14,00	4,09,00	11,20,00	500,00,00	0
224062200 - Construction of Chattogram Feni-Bakhrabad Gas Transmission Parallel Pipeline Project (01/07/2016 - 30/06/2019)	6	1,00,00	700,00,00	1096,59,00	145,87,00	25,61,00	0
224062400 - Rehabilitation and Expansion of Existing supervisory control and data acquisition (SCADA) system of National Gas Grid under GTCL (01/01/2013 - 31/12/2018)	1-2	40,28,80	34,00,00	30,64,00	0	0	0
224062600 - Natural Gas Efficiency Project (Installation of wellhead Gas Compressor at Location-c of Titas Gas & Narsingdi Fields) (01/07/2014-30/06/2019) Approved	1-10	13,33,03	72,00,00	59,40,00	400,00,00	135,00,00	69,50,00
224062700 - Natural Gas Efficiency Project (Installation of Pre-paid Metering System for the consumer of KGDCI Residence) (01/07/2014-31/06/2019) Approved	6,8,10	28,50,82	32,25,00	64,79,00	0	0	0

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8
224062800 - Dhanua-Elenga & West Bank of Bangabandhu Bridge-Nalka Gas Transmission Pipeline (BD-P78: Natural Gas Efficiency Project (01/07/2014-30/06/2020) Approved	6-7	207,50,59	85,00,00	60,00,00	131,00,00	0	0
224062900 - Installation of Pre-paid Gas Meter for TGTDCCL (BD-P78: Natural Gas Efficiency Project (01/01/2015-31/12/2018) Approved	6-7	47,62,96	85,00,00	131,00,00	52,00,00	109,50,00	0
224063100 - Bakhrabad-Shidhirgonj Transmission Pipeline (01.07.2007-31.12.2018)	6	63,55,13	6,50,00	13,75,00	0	0	0
224273200 - Construction of Bogura-Rangpur - Saidpur Gas Transmission Pipeline Project.(01/10/2018-31/06/2021)	4	0	0	1,17,00	500,00,00	509,17,00	0
Total : Annual Development Program		401,88,33	1019,89,00	1461,43,00	1240,07,00	1279,28,00	69,50,00
Total : Development Activities		401,88,33	1019,89,00	1461,43,00	1240,07,00	1279,28,00	69,50,00
Total :		401,88,33	1019,89,00	1461,43,00	1240,07,00	1279,28,00	69,50,00

6.3 Bangladesh Petroleum Corporation (BPC)

6.3.1 Recent Achievements: Appropriate steps had been taken to meet the additional requirement of power in the country through supply of diesel, furnace oil to the Quick Rental Power Plants and uninterrupted supply of jet fuel (Jet-A1) during Hajj season. Over the last three years, BPC imported a total of 36,58,396.47 MT of crude and 36,07,835.83 MT of refined fuel oil. Furthermore, BPC exported 1,65,280.26 MT of naphtha.

6.3.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18		2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8	9	10	11
1. To enhance storage capacity of fuel	Storage capacity	2	Lakh MT	1.00	0.15	0.20	1.00	0.50	0.50	3.30
2. To increase the capacity of refining crude petroleum	Capacity of refining			00		00		00	00	30
3. To increase supply of LPG	Quantity of supply			00		0.50			0.50	0.50
4. To import, refine and distribute crude oil properly	Import of crude oil			11	11.73	14.00	14.00	14.00	14.00	30.00
5. To import and supply refined petroleum	Import of refined oil			46.56	55.48	53.00	62.00	63.00	66.00	55.00

6.3.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8
Annual Development Program							
224062300 - Installation of Single Point Mooring (SPM) with Double Pipeline (01/11/2015 - 31/12/2018)	1-5	14,99,00	752,92,00	733,44,00	390,00,00	834,12,00	2266,50,00
Total : Annual Development Program		14,99,00	752,92,00	733,44,00	390,00,00	834,12,00	2266,50,00
Total : Development Activities		14,99,00	752,92,00	733,44,00	390,00,00	834,12,00	2266,50,00
Total :		14,99,00	752,92,00	733,44,00	390,00,00	834,12,00	2266,50,00

6.4 Geological Survey of Bangladesh (GSB)

6.4.1 Recent Achievements: In 2015-16 fiscal year GSB has discovered 30m thick Limestone deposit from 674.79 to 704.96 meter depth in Tajpur area of Bilasbari Union under Badalgachi Upazila of Naogaon district. This is the highest thickened Limestone bed discovered in Bangladesh. In 2016-17 fiscal year an exploratory drill hole for searching energy source in Bhagobanpur area of Naogaon district have been completed and found 29 m thick limestone. In 2017-18 target of geological and geophysical mapping was

for 2500 sq km and mapping of 2566 sq km was completed. Besides, searching of mineral resources has been done through two geophysical exploration and drilling of one well.

6.4.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. Carryout geological Mapping	Geological Maps	1	Number	17	17	17	16	17	18	19
2. To explore various sources of energy (Drilling)	Drilling			1	1	1	1	1	1	1
3. Geo-technical Mapping	Geo-technical Maps			1	1	1	1	1	1	1
4. Evaluation of the catastrophic situation for environment and disaster management	Evaluation Report			3	3	1	1	2	2	2

6.4.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	8
Operating Activities							
General Activity							
1420401 - Geological Survey of Bangladesh	1-4	26,37,70	131,65,00	56,67,37	43,21,53	36,55,51	37,49,94
Total : General Activity		26,37,70	131,65,00	56,67,37	43,21,53	36,55,51	37,49,94
Special Activity							
120007600 - Examination Expense Management	1-4	0	35,00	35,00	0	0	0
Total : Special Activity		0	35,00	35,00	0	0	0
Total : Operating Activities		26,37,70	132,00,00	57,02,37	43,21,53	36,55,51	37,49,94
Development Activities							
Annual Development Program							
223031200 - Geo-Information for urban planning and adaptation to climate change (GeoUPAC)(01/01/2017-31/12/2020)	1-4	0	10,10,00	10,40,00	6,65,00	4,98,00	0
224063300 - Identification and Economic Assessment of the Valuable Minerals in the River sands of Bangladesh (01/12/2015 - 30/06/2019)	1-4	1,98,97	5,00,00	3,85,00	0	0	0
Total : Annual Development Program		1,98,97	15,10,00	14,25,00	6,65,00	4,98,00	0
Total : Development Activities		1,98,97	15,10,00	14,25,00	6,65,00	4,98,00	0
Total :		28,36,67	147,10,00	71,27,37	49,86,53	41,53,51	37,49,94

6.5 Department of Explosives

6.5.1 Recent Achievements: Under the provision of the Explosives Act and Petroleum Act the Department of Explosives issued the following no. of license/approval in the last 3 fiscal year respectively 1962, 2113 and 1904. No. of tank tested and issued gas free test certificate are 14264,11514 and 9099; 2451, 3223 and 3226 no. of NOC issued for importation of flammable liquids; 90, 55 and 77 no. of approval for gas transmission; 1059,481 and 418 no. of bomb/Exhibit tested and expert opinion have furnished to the Honorable Court in different explosive related court cases during the same period.

6.5.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. Issuance and renewal of no objection certificates to ensure safe production, storage, transportation and use of flammable materials	Issuing license to explosive materials including petroleum	2	Number	1680	1904	1680	1690	1700	1710	1720

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
	Issuing license for import of LPG cylinder			600000	3964728	45000	600000	480000	500000	500000
	Issuing license for storage of LPG cylinders			325	1084	340	350	360	380	380
	Issuing gas free certificate to vehicles carrying petroleum			850	900	950	950	950	950	950
	Examination of tanks of ships carrying petroleum			1300	11009	7200	1300	7250	7300	7300
2. Examination of Explosives	Examination of Explosives			250	488	280	200	290	290	290
3. To organize workshop and seminars	Workshop and seminars held	1		01	01	01	01	01	01	01

6.5.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	8
Operating Activities							
General Activity							
1420201 - Head Office, Department of Explosives	1-3	2,03,61	6,50,18	3,15,35	3,48,09	3,80,31	3,91,09
1420202 - Office of the Inspector of Explosives	1-3	0	1,26,82	1,46,82	1,59,69	1,69,82	1,74,54
Total : General Activity		2,03,61	7,77,00	4,62,17	5,07,78	5,50,13	5,65,63
Special Activity							
120007600 - Examination Expense Management	1-3	0	17,00	17,00	0	0	0
Total : Special Activity		0	17,00	17,00	0	0	0
Total : Operating Activities		2,03,61	7,94,00	4,79,17	5,07,78	5,50,13	5,65,63
Total :		2,03,61	7,94,00	4,79,17	5,07,78	5,50,13	5,65,63

6.6 Bureau of Mineral Resources Development (BMD)

6.6.1 Recent Achievements: Two (02) Silica Sand quarry lease has been granted in last fiscal years. BMD has collected revenue of total Tk 187.00 crore from the various organizations. By applying Mines and minerals Rules, 2012, it has been possible to reduce the illegal extraction of various mineral resources. As a result, maintenance of mineral resources has been strengthened including the increase of government revenue.

6.6.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. To lease and issue license	Leasing quarry	2	Number	0	04	0	26	0	0	0

6.6.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19	2019-20	2020-21	2021-22	
1	2	3	4	5	6	7	8
General Activity							
1420301 - Bureau of Mineral Development	1	70,38	3,47,00	2,30,00	3,71,00	4,12,30	3,96,60
Total : General Activity		70,38	3,47,00	2,30,00	3,71,00	4,12,30	3,96,60

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8
Special Activity							
120007600 - Examination Expense Management	1	0	10,00	10,00	0	0	0
120008453 - Research & Innovation Activity	1	0	2,00	3,00	3,00	4,00	5,00
Total : Special Activity		0	12,00	13,00	3,00	4,00	5,00
Total : Operating Activities		70,38	3,59,00	2,43,00	3,74,00	4,16,30	4,01,60
Total :		70,38	3,59,00	2,43,00	3,74,00	4,16,30	4,01,60

6.7 Bangladesh Petroleum Institute (BPI)

6.7.1 Recent Achievements: BPI in 2015-16 and 2016-17 December, 2017 of 2017-18 financial year trained up 1873 officials through 53 (Fifty Three) training courses & 15 (Fifteen) workshop. BPI has successfully improved and contemporary the quality class rooms facilities with modern equipments including its own building which are convenient for quality training programs. On the fourth floor (4th) of BPI building residential facilities have been developed.

6.7.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. Organizing training courses at home and abroad	Training Courses	1	Number	--	25	25	25	27	27	27
2. To organize Workshop and seminars	Workshop/ seminars			6	6	6	6	6	8	8
3. Conducting Research Activities	Research paper published			1	1	1	1	1	1	1

6.7.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects

(Taka in Thousands)

Name of the Institutional Unit/Scheme/ Project	Related Activity	Actual 2017-18	Budget	Revised	Medium Term Expenditure Estimates		
			2018-19		2019-20	2020-21	2021-22
1	2	3	4	5	6	7	8
Support Activity							
131014300 - Bangladesh petroleum Institute	1-3	1,73,00	2,55,00	2,36,30	2,85,00	3,00,00	2,92,78
Total : Support Activity		1,73,00	2,55,00	2,36,30	2,85,00	3,00,00	2,92,78
Total : Operating Activities		1,73,00	2,55,00	2,36,30	2,85,00	3,00,00	2,92,78
Total :		1,73,00	2,55,00	2,36,30	2,85,00	3,00,00	2,92,78

6.8 Hydro Carbon Unit

6.8.1 Recent Achievements: Hydrocarbon unit has prepared 43 analytical technical reports. The technical reports are monthly report on gas reserve and production, annual report on gas production, distribution and consumption, report on energy economics and report on energy scenario of Bangladesh.

6.8.2 Activities, Output Indicators and Targets

Activities	Output Indicator	Related Strategic Objectives	Unit	Revised Target	Actual	Target	Revised Target	Medium Term Targets		
				2017-18	2018-19	2019-20	2020-21	2021-22		
1	2	3	4	5	6	7	8	9	10	11
1. To organize workshop and seminars	Number of workshop/ seminars	1	Number	13	8	15	8	8	8	8
2. To prepare survey reports on the reserve of energy resources	Number of survey	2		10	13	10	13	13	14	15
3. Conducting research activities	Research paper/survey	1		2	2	2	2	2	2	2

6.7.3 Medium Term Expenditure Estimates by Institutional Unit, Schemes and Projects: Not Applicable